U-LINE

Service Manual

2010

2115R
2115WC
2115WCOL
2175/2275DWRR
2175R
2175RF
2175WC
2175WCOL
CLR2160
CLRCO2175
CO2175/CO2275DWR
CO2175F
2175BEV
2275DWRWS
2275DWRWOL
2275ZWC
2275ZWCOL
1115R
1115WC
1175BEV
1175R
1175WC
ADA24R

INTRODUCTION

Three generations of pride and quality manufacturing and design improvements are built into all U-Line products. The result: U-Line leads the market with innovative technology and superior craftsmanship.

This manual contains specific instructions for servicing the U-Line Products which include these models:

ÉCHELON MODELS
2115R
2115WC
2115WCOL
2275DWRR
2175R
2175RF
2175WC
2175WCOL
CLR2160
CLRCO2175
CO2275DWR
CO2175F
2175BEV
2275DWRWS
2275DWRWS
2275ZWC
2275ZWCOL

ORIGINS MODELS
1115R
1115WC
1175BEV
1175R
1175WC
ADA24R

POTENTIAL PROBLEMS WITH HFC-134A

This service manual has been written to cover products manufactured with HFC-134A. HFC-134A compressors receive a synthetic based ester oil charge. The hygroscopic (water attraction) property of ester oil is many times greater than the mineral oils previously used with CFC-12. High system moisture causes the formation of acids and alcohol which can damage the compressor. Systems should not be left open for more than fifteen (15) minutes at any time as humidity from the air will enter the system. To ensure system dehydration, the system should be pulled down to 100 microns and vacuum pump oil (mineral oil) must not be allowed to enter the system.

Cleanliness of the system is extremely important. The presence of residues (chlorinated or greasy residues, mineral oil, or impurities) can lead to capillary tube restrictions, oil return problems and compressor damage. Do not use flux on brazed joints.

IMPORTANT

Check for the latest service related information at U-LineService.com. The Technical Knowledge base is continuously updated and can be accessed anytime. Each U-Line product has a unique method of installation, but it is consistent with U-Line's methods and requirement. Follow the installation guidelines for the U-Line product you are installing.

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SAFETY PRECAUTIONS

IMPORTANT

PLEASE READ all instructions completely before attempting to service the unit.

- **Proper installation procedures must be followed if this unit is being initially installed, or is moved to a new location after being in service. An INSTALLATION GUIDE for your unit, providing complete installation information is available from U-Line Corporation directly, and must be consulted before any installation is begun. U-Line contact information appears on the rear cover of this guide.**
- **This unit requires connection to a grounded (three-prong), polarized receptacle that has been placed by a qualified electrician in accordance with applicable electrical codes.**

Safety Alert Definitions

Safety items throughout this guide are labeled with a Danger, Warning or Caution based on the risk type:

⚠ DANGER

Danger means that failure to follow this safety statement will result in severe personal injury or death.

⚠ WARNING

Warning means that failure to follow this safety statement could result in serious personal injury or death.

⚠ CAUTION

Caution means that failure to follow this safety statement may result in minor or moderate personal injury, property or equipment damage.

General Precautions

Use this appliance for its intended purpose only and follow these general precautions along with those listed throughout this guide:

⚠ DANGER

RISK OF CHILD ENTRAPMENT. Before you throw away your old refrigerator or freezer, take off the doors and leave shelves in place so that children may not easily climb inside.

⚠ WARNING

SHOCK HAZARD - Electrical Grounding Required.

- **Never attempt to repair or perform maintenance on the unit until the electricity has been disconnected.**
- **Never remove the round grounding prong from the plug and never use a two-prong grounding adapter.**
- **Altering, cutting of power cord, removal of power cord, removal of power plug, or direct wiring can cause serious injury, fire and/or loss of property and/or life and will void the warranty.**
- **Never use an extension cord to connect power to the unit.**
- **Always keep your working area dry.**

⚠ WARNING

Failure to use the Anti-Tip Kit when it is included with the product can cause serious personal injury. The Anti-Tip Kit must be installed before the unit is used.

⚠ CAUTION

- **Use care when moving and handling the unit. Use gloves to prevent personal injury from sharp edges.**
- **If your model requires defrosting, DO NOT use any type of heater to defrost. Using a heater to speed up defrosting can cause personal injury and damage to the inner lining.**

IMPORTANT

- **Do not lift unit by door handle.**
- **Never install or operate the unit behind closed doors. Be sure front grille is free of obstruction. Obstructing free air flow can cause the unit to malfunction and may void the warranty.**
- **Failure to clean the condenser every three months can cause the unit to malfunction. This could void the warranty.**
- **Allow unit temperature to stabilize for 24 hours before use.**
- **If your model requires defrosting, never use an ice pick or other sharp instrument to help speed up defrosting. These instruments can puncture the inner lining or damage cooling unit.**
- **Use only genuine U-Line replacement parts. Imitation parts can damage the unit, affect its operation or performance and may void the warranty.**

U-LINE CORPORATION LIMITED WARRANTY

U-Line Corporation warrants each U-Line product to be free from defects in materials and workmanship for a period of one year from the date of purchase; and warrants the sealed system (consisting of the compressor, the condenser, the evaporator, the hot gas bypass valve, the dryer and the connecting tubing) in each U-Line product to be free from defects in materials and workmanship for a period of five years from the date of purchase. During the initial one-year warranty period for all U-Line products U-Line shall: (1) at U-Lines option, repair any product or replace any part of a product that breaches this warranty; and (2) for all Marine, RV and Domestic U-Line products sold and serviced in the United States (including Alaska and Hawaii) and Canada, U-Line shall cover the labor costs incurred in connection with the replacement of any defective part. During years two through five of the warranty period for the sealed system, U-Line shall: (1) repair or replace any part of the sealed system that breaches this warranty; and (2) for all Marine, RV and Domestic U-Line products sold and serviced in the United States (including Alaska and Hawaii) and Canada, U-Line shall cover the labor costs incurred in connection with the replacement of any defective part of the sealed system. All other charges, including transportation charges for replacements under this warranty and labor costs not specifically covered by this warranty, shall be borne by you. This warranty is extended only to the original purchaser of the U-Line product. The Registration Card included with the product should be promptly completed by you and mailed back to U-Line or you can register on-line at www.U-LineService.com.

The following are excluded from this limited warranty: installation charges; damages caused by disasters or acts of God, such as fire, floods, wind and lightening; damages incurred or resulting from shipping, improper installation, unauthorized modification, or misuse/abuse of the product; customer education calls; food loss/spoilage; door and water level adjustments (except during the first 90 days from the date of purchase); defrosting the product; adjusting the controls; door reversal; or cleaning the condenser.

If a product defect is discovered during the applicable warranty period, you must promptly notify either the dealer from whom you purchased the product or U-Line at P.O. Box 245040, Milwaukee, Wisconsin 53224 or at 414-354-0300. In no event shall such notification be received later than 30 days after the expiration of the applicable warranty period. U-Line may require that defective parts be returned, at your expense, to U-Lines factory in Milwaukee, Wisconsin, for inspection. Any action by you for breach of warranty must be commenced within one year after the expiration of the applicable warranty period.

This limited warranty is in lieu of any other warranty, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose; provided however, that to the extent required by law, implied warranties are included but do not extend beyond the duration of the express warranty first set forth above. U-Lines sole liability and your exclusive remedy under this warranty is set forth in the initial paragraph above. U-Line shall have no liability whatsoever for any incidental, consequential or special damages arising from the sale, use or installation of the product or from any other cause whatsoever, whether based on warranty (express or implied) or otherwise based on contract, tort or any other theory of liability.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

PRODUCT LIABILITY POLICY

Field service technicians are authorized to make an initial assessment. If in the servicer's judgment the damage is the result of a product defect, the product would be removed and returned to U-Line in an unaltered condition. The dealer would then be authorized to permanently replace the end-user's product at no cost to the end-user. Please call U-Line immediately at 800-779-2547 to initiate the RA and product exchange process.

If in the servicer's judgment the damage is the result of installation issues (water connection/drain, etc.), the consumer would be so notified and the correction would be made by the servicer or installer without requiring removal of the product. Any claim for damages should be directed to the original installer.

Any U-Line unit involved in an alleged property damage claim must remain **unaltered and unrepaired, for evaluation. No service or repairs should be performed on any unit suspected to be involved in a property damage situation. If a unit has been altered or repaired in the field prior to U-Line's evaluation, any claim for damage may be declined.**

If the unit in question is a U-Line CLR or CLRCO **with a drain pump**, both the unit **and** the drain pump (regardless of the manufacturer) must be returned to U-Line Corporation.

To complete the damage claim process for the customer, please obtain the following and forward to U-Line at onlineservice@U-Line.com, fax to 414-354-5696 or mail to the address below.

Pictures of the unit, installation and any alleged property damage.

Inquire when the problem first appeared, any prior problems with the product and provide a brief description of the alleged damages.

To expedite the claim process, U-Line will need two damage repair estimates.

Reference the RA number and customer name when providing this information.

If a unit is returned to U-Line, this evaluation will take approximately ten business days. **No field service company is authorized to perform this evaluation.** When a Return Authorization Number is issued, and the unit has been boxed in a U-Line carton, U-Line should be contacted and then will make arrangements for shipping, or designate a truck line to have the unit shipped freight collect.

If U-Line's evaluation finds the unit, (or U-Line P60 pump) to be defective, causing the property damage, the damage claim will be reviewed by the U-Line Customer Assurance Department.

If U-Line's evaluation finds the unit not to be defective, does not repeat a failure or does not leak any water from the U-Line unit or U-Line P60 pump, all claims for damage will be declined.

When a product evaluation is needed, it is the customer's responsibility to assure that the unit is returned for evaluation. If the customer fails to do so, or has the unit repaired in the field prior to U-Line's evaluation, any claim for damage will be declined.

8900 N. 55th St. • P.O. Box 245040
Milwaukee, WI 53224-9540
414/354-0300 • Fax: 414/354-7905
Website: www.u-line.com

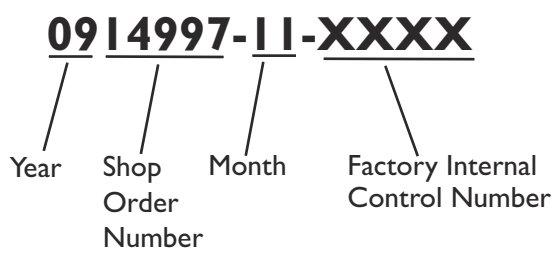
Leaders In Quality Undercounter Refrigeration

SERIAL NUMBER FORMAT

IMPORTANT

Starting October 2009 U-Line Corporation went to a 13 digit serial number. Anything before that date will have 12 digits.

The serial number is divided into four segments. A typical serial number is 0914997-11-0005.



The first two digits of the first segment, 09, represents the year the unit was made.

The next four/five digits of the first segment, 14997, represent the shop order number. Order number 14997 is assigned for the Model CLRCO2175B-40 units.

The next two digit segment, 12, represents the month the unit was made.

The last four digit segment, XXXX, is a factory internal control number used at U-Line Corporation.

WARRANTY CLAIMS PROCEDURE

WHEN SUBMITTING CLAIMS FOR WARRANTY PAYMENT, PLEASE FOLLOW THESE GUIDELINES.

You can use any form you would normally use to bill your customer (your own computer generated form, Narda, USA, etc.). Claims can also be filed on-line at www.u-lineservice.com.

The model and serial number **MUST** be on the claims. Claims will not be paid without a model and serial number.

If you used a part in your repair, you **MUST** put the part number, the invoice number and where the part came from. Claims will be returned without this information.

If you work on more than one unit per service call please submit a separate claim for each unit.

We track all defects through warranty claims, so please be specific on what the repair was. If it is a system leak, please specify where the leak was.

Please be sure the claim is legible. If the claim form cannot be read, it will be returned, unpaid.

Remember: Door and water level adjustments are 90 day warranties only.

If you are changing out a unit please supply the model and serial number of both units (the unit being replaced and the new unit) and the R.A. number.

Occasionally the customer does not return their warranty cards. In this case we use the date the unit was shipped to our distributor for a beginning warranty date. This may cause the claim to be rejected for a proof of purchase. If you want to check on a purchase date, you may contact the U-Line Corporation Customer Assurance Department at 1-800-779-2547. This will allow you to get a proof of purchase, if needed, before you submit the claim.

At U-Line, parts and labor claims are paid separately. Included in labor are freon and recovery charges, all other parts are handled by the parts department. We require that some parts be returned to us, so we may return them to our vendor. It will be noted on your packing list if we require you to return the part. If a part is to be returned please include a copy of the packing list and a copy of your claim. If the part was purchased at one of our part distributors, you must handle the part warranty with that company. For labor payment please send a readable copy of your claim to U-Line Corporation, P.O. Box 245040, Milwaukee WI, 53224-9540, or fax it to 414-354-5696. Claims can also be filed on-line at www.u-lineservice.com.

PROOF OF PURCHASE

Proof of Purchase and/or Proof of Install is an important part of the warranty claim process. Sometimes it is difficult to obtain a proper Proof of Purchase/Proof of Install for a number of different reasons:

- The customer does not have a copy (only the original).
- The customer has only their copy of the final Walk Through or sign-off of new construction.
- Other valid reasons that prevent your technician from leaving the job site with a suitable Proof of Purchase/ Proof of Install.

We understand the problem and have modified our Proof of Purchase policy to help you in these situations.

Effective immediately, if a copy of the Proof of Purchase/Proof of Install is not available at the site, the technician should record the following information on the Labor Invoice:

- The name of the selling Dealer
- The date of purchase/installation
- The Order or Invoice number (if available)
- The type of document they saw, i.e. Store Receipt, Closing Papers, Sign-Off of Building Permit, Final Walk Through, etc.

If we have this information on the Labor Invoice, and we have the other information that is needed **(correct Serial Number, type of repair, time spent on repairs, parts used in the repair, invoice number for the part, etc.)**, we will be able to process the invoice for you in a timely manner.

PARTS LISTING

How to Order Replacement Parts

1. Refer to Service Parts and locate the illustration(s) for the model you are servicing.
2. Locate the desired part to be serviced and note the item number assigned to it.
3. Locate the item number within the parts list. Note the full description and the corresponding part number. If this is for a warranty unit, indicate and record the model and serial numbers.
4. When ordering parts, it will be necessary to supply Model Number, Serial Number, Part Number, Part Description and in some cases Color or Voltage.

All warranty parts will be shipped at no charge as long as warranty status has been confirmed. If we require that a part be returned to U-line, you will be informaed at the time the order is placed. It will be noted on your packing list if we require you to return a part or if you may field scrap it. If U-Line requires a defective part to be returned, a prepaid shipping label will be included with your new replacement part. When returning parts enclose a copy of your packing list and a copy of your labor claim, showing the model and serial number, and tag or label the part with the nature of the defect.

Our warranty records may not match the customer's information. In this case, a proof of purchase will be required. If you do not have the proof of purchase at the time the order is placed, the part will be sent net 15 days, charged to a Visa or MasterCard or COD if you don't have an open account with U-Line Corporation. When the proof of purchase is provided, we will credit your account (a check will be sent if the part was sent COD).

5. Parts may be ordered on-line, by FAX or phone:

www.U-LineService.com

onlineparts@u-line.com

FAX Number (414) 354-7905

Phone Number (414) 354-0300 or (800) 779-2547;

REPLACEMENT PARTS: Use only genuine U-Line replacement parts. The use of non-U-Line parts can reduce ice rate, cause water to overflow from ice maker mold, damage the unit, and can void the warranty.

CUSTOMER CALL GUIDE

The following guide has been developed to help answer frequently asked questions. It can be used by persons scheduling service calls. Things to consider before scheduling a service call:

Concern	Response
The unit is not cold enough.	• Are you familiar with the factory temperature specifications for your unit? Many factors can cause these temperatures to vary; ambient temperature, application, amount of use (number of times and length of time the door or drawers or opened and closed), etc. • Is the door or drawers sealing properly? If the door or drawer is not sealed properly, it allows heat into the unit. U-Line's warranty is 90 days for door or drawer adjustments. • Has the door or drawers been left open? • Is the condenser clean? U-Line's warranty does not cover cleaning the condenser. • Is the unit behind closed doors or the vent restricted? The front grille must be free of obstruction. • Is the unit in an application of heavy usage? Heavy usage or high ambient temperatures will cause a unit to frost up. • Did you try adjusting the temperature to a colder level? Adjust to a colder level. Be sure to allow 24 hours between temperature control adjustments.
Temperature is too cold.	Check actual temperature versus set-point.
The unit is frosting up.	• Are you familiar with the defrost technology of your unit? • Is the door or drawers sealing properly? If the door or drawer is not sealing properly, it allows heat/humidity into the unit. U-Line's warranty is 90 days for door or drawer adjustments. • Has the door or drawers been left open? • Is the unit in an application of heavy usage? Heavy usage or high ambient temperatures will cause a unit to frost up.
The ice cubes are sticking together.	• Is the door or drawers sealing properly? This could cause the ice cubes to stick together. • Have you tried to shake the ice bucket? If the ice sits without being used, it will tend to stick together. Shaking the bucket will usually break the ice cubes apart. If the ice has been sitting for a long time, you should consider discarding it and make a fresh batch. • Does the unit need to be defrosted?
Water is leaking out of the unit.	Have you checked the water connection to the unit? U-Line's warranty does not cover installation adjustments.
No ice or not enough ice.	• Are you aware of the factory specifications for ice production? • Is the ice maker bin arm down? When the arm is up, the ice maker will not make ice. • Is the door or drawers sealing properly? U-Line's warranty is 90 days for door adjustments. • Has the ice maker been turned off at the display?

CLR2160 Model Only:

Concern	Response
The cubes are wet.	• The storage bin that holds the ice is not refrigerated. The cubes in the bin are slowly melting down. The bin will maintain a temperature of 32°F to 34°F.
The floor is very warm in front of my unit.	• The unit is designed for a built-in application, so warm air will vent through the front grille, below the door. There is a safety feature built into the control board that will shut down the unit if warm air can't vent or is restricted.
No ice, but water pours into the trough and down into the drain.	• The standpipe needs to be inserted into the drain hole of the water trough to maintain the proper level of water inside the trough.
When the unit is turned on, all I get is water fill.	• Once the unit is turned on, there will be a three-minute water fill. This ensures a fresh batch of water has filled the trough. If water flows more than three minutes, a service call will be required.
The ice does not come out in a perfect cube shape.	• When the ice is made, a small hole or "dimple" will appear on the front or top of the cube. Increasing or decreasing the time of the freeze cycle will adjust the size of the dimple.
The cubes do not fall into the bin as individual cubes.	• This is normal. You can use the scoop to break the cubes apart.
Not enough ice is stored in the bin.	• Make sure unit is level.

Drawer Models Only:

Concern	Response
There is excessive condensation on the mullion.	• The mullion has a heater behind it that should keep the mullion free of frost and sweat. In extremely humid conditions, some sweat may appear on the mullion or lower drawer handle/gasket. The heater will not operate in ambient temperatures over 90°F. • Drawer units should not be used outdoors or in an area that is not air-conditioned.
Drawer will not close properly.	• The drawer slides have a self-closing feature which engages when the drawer is about 1" (25.4mm) from being closed. There may be some resistance. If the resistance is hard to overcome, try closing the drawers with more force a couple of times and then try slowly closing the drawers again.

2175DWRR Model Only:

Concern	Response
There is a water leak inside the unit.	• Make sure the drain is not blocked. Remove any blockage.

REFRIGERATION SYSTEM DIAGNOSIS GUIDE

System Condition	Suction Pressure	Suction Line	Compressor Discharge	Condenser	Capillary Tube	Evaporator	Wattage
Normal	Normal	Slightly below room temperature	Very hot	Very hot	Warm	Cold	Normal
Overcharge	Higher than normal	Very cold may frost heavily	Slightly warm to hot	Hot to warm	Cool	Cold	Higher than normal
Undercharge	Lower than normal	Warm-near room temperature	Hot	Warm	Warm	Extremely cold near inlet - Outlet below room temperature	Lower than normal
Partial Restriction	Somewhat lower than normal vacuum	Warm - near room temperature	Very hot	Top passes warm - Lower passes cool (near room temperature) due to liquid	Room temperature (cool) or colder	Extremely cold near inlet - Outlet below room temperature backing up	Lower than normal
Complete Restriction	In deep vacuum	Room temperature (cool)	Room temperature (cool)	Room temperature (cool)	Room temperature (cool)	No refrigeration	Lower than normal
No Gas	0 PSIG to 25"	Room temperature (cool)	Cool to hot	Room temperature (cool)	Room temperature (cool)	No refrigeration	Lower than normal

THERMISTOR TYPES

Type 1 (Black)

Resistance at 77°F = 10,000 Ohms ± 5%.

Operating range is 185,000 to 650 Ohms. Resistance goes down as temperature increases. Type 1 does not need to be calibrated and can be changed without changing other wires or board.

Type 2 (White)

Resistance at 77°F = 5,000 Ohms ± 5%.

Operating range is 180,000 to 550 Ohms. Resistance goes down as temperature increases. Type 2 does not need to be calibrated and can be changed without changing other wires or board.

TROUBLESHOOTING

⚠ DANGER

Never attempt to repair or perform maintenance on the unit until the main electrical power has been disconnected from the unit.

Cause	Remedy
Will not eject ice (water frozen).	
1. Control setting too cold.	1. Adjust control warmer.
2. Control inoperable.	2. Replace control.
3. Bin switch inoperable.	3. Replace bin switch.
4. Limit switch defective (open).	4. Replace limit switch.
5. Ice maker assembly motor stalled.	5. Replace motor.
6. Broken wire in ice maker circuit.	6. Repair or replace wiring.
7. Water soaked cabinet insulation.	7. Replace foamed cabinet assembly.
8. Dirty condenser.	8. Clean condenser.
Will not fill with water.	
1. Water supply valve closed.	1. Open water supply valve.
2. Water switch inoperable (open).	2. Replace water switch.
3. Solenoid valve inoperable.	3. Replace solenoid valve.
4. Fill tube outlet frozen.	4. Defrost fill tube.
5. Broken wire in water fill circuit.	5. Repair or replace wiring.
Will not stop making ice.	
1. Bin switch inoperable (closed).	1. Replace bin switch.
2. Bin arm binding.	2. Lubricate bin arm pivot points or loosen bin arm lever screw.
Water will not stop filling.	
1. Water switch inoperable (closed).	1. Replace water switch.
2. Solenoid valve inoperable.	2. Replace solenoid valve.
3. Stalled ice maker motor.	3. Replace motor.
4. Temperature control inoperable. Ice maker is in continuous harvest cycle.	4. Replace temperature control.
Ejector blades will not stop turning.	
1. Control inoperable.	1. Replace control. Replace hold switch.
2. Hold switch inoperable.	2. Repair or replace wiring.
3. Broken wiring.	3. Replace heater.
4. Short in mold heater.	4. Replace mold heater.

Cause	Remedy
Low ice production.	
1. Control set too cold.	1. Adjust control warmer.
2. Fan motor stalled.	2. Replace fan motor.
3. Ice cubes too large.	3. Lower water fill adjustment.
4. Dirty condenser.	4. Clean condenser.
5. Bypass valve stuck open (Frost Free units only).	5. Replace bypass valve (Frost Free units only).
Not freezing (compressor and fan motors operating).	
1. Little or no frost pattern on evaporator.	1. Check for sealed system leak or restriction.
2. Bypass valve stuck open (Frost Free units only).	2. Replace bypass valve (Frost Free units only).
Not freezing (compressor not operating - fans operating).	
1. Relay inoperable.	1. Replace relay.
2. Overload inoperable (open).	2. Replace overload.
3. Compressor inoperable.	3. Replace compressor.
Not freezing (compressor and fans not operating).	
1. Power cord not plugged in.	1. Plug in power cord.
2. Unit turned off.	2. Press On/Off button to turn unit on.
3. Control panel inoperable.	3. Replace control panel.
4. Hold switch inoperable (open).	4. Replace hold switch.
5. Control inoperable.	5. Replace control.
6. Broken wire in freeze circuit.	6. Repair or replace wiring.
7. Ejector blades not in freeze position (12:00)	7. Manually advance ejector blades to the 12:00 position (test ice maker and limit switch).
Compressor overheating.	
1. Condenser air flow restricted.	1. Remove restriction (clean condenser and grille).
2. Condenser fan blade obstructed.	2. Remove blade restriction.
3. Condenser fan motor stalled.	3. Replace fan motor.
4. Compressor inoperable.	4. Replace compressor.
Compressor will not stop operating.	
1. Temperature set too cold.	1. Adjust temperature warmer.
2. Control inoperable.	2. Replace control.
3. Control sensing bulb not sensing mold temperature.	3. Fully insert bulb into ice maker tube. Rout bulb away from compressor discharge tube.
4. Evaporator fan stalled.	4. Remove obstruction or replace motor.

Cause	Remedy
Water leak (under unit).	
1. Water supply line leaking at solenoid valve inlet.	1. Tighten or replace fitting.
2. Water line leaking at solenoid valve outlet.	2. Replace water line and fitting.
3. Water line leaking at fill tube.	3. Tighten clamp or replace fill tube assembly.
4. Defrost drain line not in drain pan.	4. Position drain line in drain pan.
5. Crack in water line.	5. Replace water line.
Water leak (inside unit).	
1. Ice maker assembly fill cup obstructed.	1. Remove obstruction.
2. Fill ice cup and fill tube out of alignment.	2. Align fill tube and fill cup.
3. Water level too high.	3. Adjust water level.
4. Defrost drain plugged (Frost Free units only).	4. Ice in drain trough (Frost Free units only) (see below).
Excessive frost buildup.	
1. Door gasket not sealing properly.	1. Adjust door hinges or replace door gasket.
2. Door out of alignment.	2. Adjust door hinges.
3. Water soaked cabinet insulation.	3. Replace foamed cabinet assembly.
4. Light stays on when door is closed.	4. Repair or adjust light bracket.
Noisy.	
1. Copper refrigeration tube touching cabinet.	1. Carefully adjust tubing.
2. Fan blade touching shroud.	2. Adjust fan mounting or shroud.
3. Fan blade obstruction (wiring, foam insulation, packaging material).	3. Remove obstruction.
Ice buildup in drain trough or drainage problem.	
1. Obstructed drain cup or tube.	1. Clear obstruction.
2. Drain trough heater failed (Frost Free units only).	2. Replace drain trough heater (Frost Free units only).
3. Kinked drain tube.	3. Reroute drain tube.
4. Drain trough spout and drain cup not aligned.	4. Align drain trough and drain cup.
Unit will not defrost (Frost Free units only).	
1. Bypass coil inoperable.	1. Replace bypass valve.
2. Defrost timer inoperable.	2. Replace defrost timer.
3. Bypass valve inoperable.	3. Replace bypass valve.
Fresh food temperature too cold.	
1. Temperature control set too cold.	1. Adjust control to warmer setting (counterclockwise).
2. Bin/Freezer door not closing.	2. Adjust or replace door.
3. Ice bucket not fully inserted.	3. Check for ice behind bucket and push ice bucket in place.

OPERATION

CLR2160

GENERAL

Upon initial startup, this unit will enter mode number 5 which is a three-minute water fill regardless of the thermistor temperatures. This only occurs when the initial startup is caused by a power-up of the main board.

Following the three-minute water fill, the unit moves into mode 1 which is the freezing mode. In this mode the water is pumped from the sump trough over the ice maker grid by the circulation pump. This mode typically lasts 10-20 minutes and is regulated by the temperature of the thermistor mounted near the dryer (thermistor 4).

At the conclusion of the freeze cycle the unit will enter mode 2 which is the ice harvest. This harvest can last up to three minutes. During this mode the water trough also refills.

Before the next cycle begins, the custom electronic board determines whether the bin is full. A temperature below 34°F, or a temperature below 35°F for at least one hour will stop the unit from producing ice. The ice-making will always stop at the conclusion of a harvest cycle. It will never stop in the middle of a cycle.

The custom electronic board continuously monitors the optional P60 pump to ensure the drain line is not becoming restricted. In the event of a drain line obstruction, the display interface will show "P1." If the drain remains restricted the unit will stop ice production until the drain clears. In the event of a partially restricted drain, reduced ice rate will be noticed as the unit continuously turns on and off to eliminate any chances of overfilling the unit with water. If no pump is used the pink jumper needs to be connected to the power cord in its place.

A cleaning mode is available through the user interface by using the key sequence described in the Controls Section. The cleaning mode lasts about 45 minutes, at which point the unit will sit idle for another 15 minutes. During this time the display will show "CL." At the conclusion of the cycle the unit will automatically turn back on.

THERMISTOR OUTAGE

In the event that a thermistor fails, the unit will stop all functions and display "ER" on the user interface. The exact error can be accessed via the service mode.

SERVICE

The CLR2160 model uses four relays and two thermistors. There is a variety of built-in servicing features to aid in diagnosing the root problem associated with a unit.

To check to see which relays are currently operating, hold the COLDER key and press the ON/OFF key three times. When entering the sequence, keep the COLDER key pressed until you completely release the ON/OFF key for the third time. The display will cycle through a series of numbers to tell which relays are energized. For example, if the unit was in ice-making mode the display would show 11 20 31 40 51 60 70. The first number is the relay number. In the second number, "1" means on and "0" means off. The relay information can be found in the Control Section.

Each relay can also be turned on and off individually to determine whether or not the board and component are operating. If a board is suspected of not operating correctly you can run through this sequence to ensure each component is turning on and off through the board correctly. Go into service mode and choose option #22. This will cycle every relay on and off showing 10 11 20 21 …. If a component fails to turn on when the relay does, you can verify if there is voltage present by using a voltmeter to check the board output.

To view the actual thermistor readings, hold the WARMER and COLDER keys for about five seconds. The display will cycle through the three thermistors and their temperatures. If a thermistor is unused in a unit it will show a "0" reading. The CLR2160 uses thermistors 2 and 4. For thermistor 4 the display will only show up to "99." In the event the temperature is higher than this the display will show a flashing "99."

TROUBLESHOOTING

Error Codes

E1, E2, E9	Bad thermistor errors. Replace thermistor. Check for thermistor errors by accessing "View thermistor # status (2,19, 20, or 21)." If the error code is repeated, the thermistor is open or shorted. If a temperature is displayed, the thermistor is not defective.
P1	Pump circuit is detecting a drain problem. Consult a plumber to resolve the issue. If unit does not have a P60 installed, then the jumper wire is missing in place of the pump.

Any other error messages will not affect the operation of the CLR2160 model.

After checking the errors be sure to clear the error log by performing service option 12

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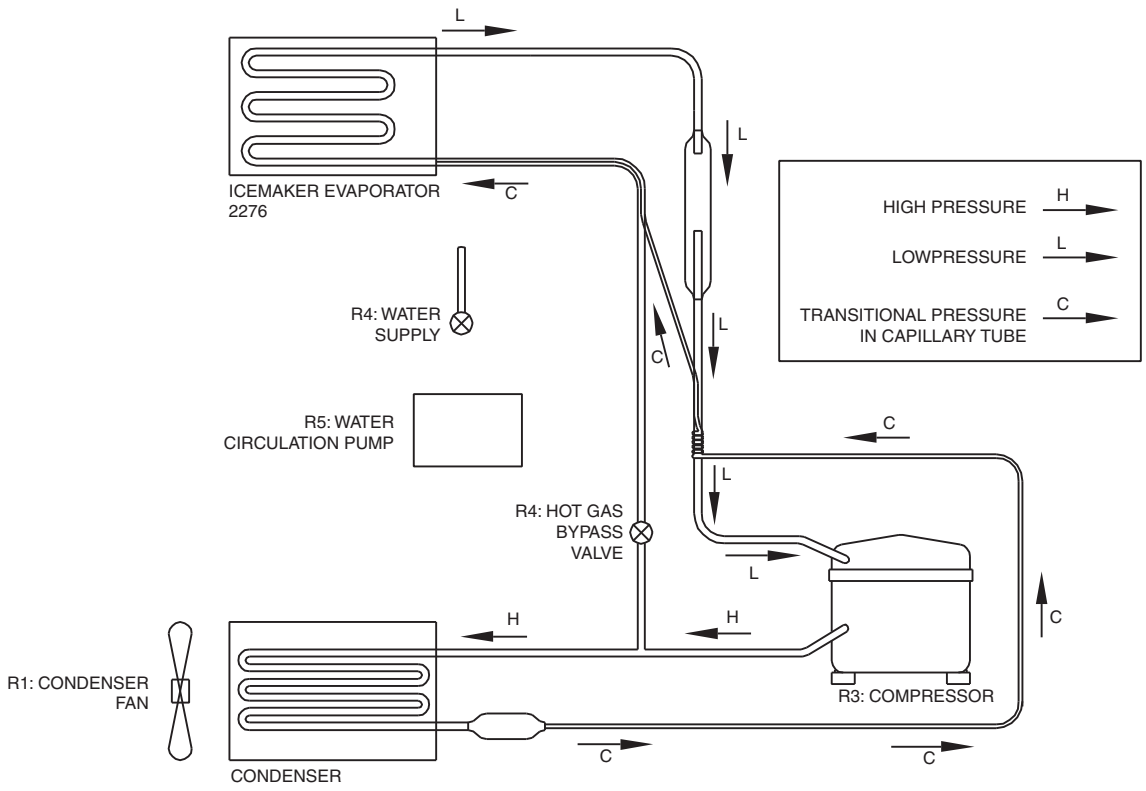


RELAY	R1	R3	R4	R5
FUNCTION	FAN	COMP	HOT GAS / WATER IN	CIRC PUMP
Mode 1: Ice Making	ON	ON	OFF	ON
Mode 2: Ice Harvest	ON	ON	ON	OFF
Mode 3: Off	OFF	OFF	OFF	OFF
Mode 4: Cleaning	OFF	OFF	ON/OFF	ON/OFF
Mode 5: Water Fill & Initial Start-Up	OFF	OFF	ON*	OFF

* Normal Start-Up lasts 3 minutes

Note: R2, R6 and R7 not used

Figure 1. CLR2160

TROUBLESHOOTING (CONTINUED)

No ice

Check the ice bin temperature. If the temperature is in the 34-35°F range, the unit is shut down due to low temperature inside. This could be caused by low ambient temperatures or running the unit without a water supply attached.

If the ice bin temperature is above 35°F, the unit should be producing ice. Check to ensure the water trough is full and the pump is operating.

Too much ice

Ensure there is Permagum around the thermistor hole. If there is, proceed to the next step.

The control board is equipped with an adjustment to adjust the level of ice in the bin for customer preference or when used in abnormal installations. With ice stacked to the desired level, check the bin temperature by holding WARMER and COLDER for five seconds. We'll assume the display showed 38°F for this example. Go to service mode #24 and adjust the setting to that number. This will allow the bin to shut off at this ice level. This temperature needs to be checked after the door has been closed for at least 10 minutes in order for the thermistor temperature to stabilize.

Too little ice

If this is a recurring issue, try adjusting service option #24 colder in 1 or 2° increments until the desired level of ice is achieved.

Ice not sized to customer satisfaction

The thickness of the cubes can be adjusted per the ice thickness section of the manual.

Noise

Some noise from this unit is normal. You may hear the sound of ice dropping into the bin, especially when it is empty. The harvesting processes involves flowing refrigerant and water through valves which may produce a rushing type sound during the harvest. The fan and compressor will produce a continuous low motor noise. If installed, the P60 pump will produce noise at regular intervals as it empties water from the unit. If any of these is objectionable, the unit has an Office mode which can be entered for three hours at a time. During this mode the unit will not produce ice; however, the drain pump will continue to operate.

No water in trough

Ensure the standpipe is fully inserted into the trough.

Check the water valve to see if it is filling the unit.

Watch the water flow over the mold to see if excess water is being splashed out of the trough. This could be the result of improper leveling.

Ice does not release from evaporator

This could be caused by improper leveling or the unit is in need of cleaning.

Poor ice quality

This can be caused by poor incoming water quality. The CLR2160 is designed to produce clear ice in most water; however, abnormal water conditions may result in the need for further filtering.

Water in ice bin

A defect in the drain from the unit will cause water to stop draining from the unit.

Display is showing something other than "Ice," "ER" or "CL."

Push one of the keys to see if the display is reset.

Turn unit on and off via the display pad.

Unplug unit, wait one minute and plug back in. If any of these steps return the unit to operation the unit was probably accidently entered into a service mode.

Display is showing a random snaking of characters or a degree symbol is flashing.

The unit is in a special showroom mode. Hold the COLDER key and press the LIGHT key three times to exit.

Display not illuminating but unit operating

First try to plug and unplug the unit. If the display still does not illuminate, there is a four-wire pin connector running from the main board in the base to the display board. One of the wires is disconnected or damaged.

Unit is not operating—no cooling—no fans.

Unplug unit and plug back in. If main board beeps when plugging in the unit then this is most likely a system problem not a board issue.

If board does not beep when plugging in the unit, check the power supply to ensure the outlet is working. Also, check the fuse on the circuit board.

CLRCO2175

GENERAL

The U-Line Model CLRCO2175 combines the best of Échelon refrigeration and clear ice-making capabilities into a single unit. A state-of-the-art microprocessor-based controller simplifies operation and troubleshooting. There are four primary modes of operation:

1. Ice Making and Refrigeration (**Figure 2)**.
2. Ice Making and No Refrigeration (**Figure 3)**.
3. Refrigeration and No Ice Making (**Figure 4**).
4. Ice Harvest/Water fill (No Refrigeration Possible) (**Figure 5**).

In addition, there are three sub modes of operation:

5. Off (**Figure 6**).
6. Water Fill - No Refrigeration (**Figure 7**).
7. Cleaning (No Refrigeration Possible) (**Figure 8**).

Review the following notes for general information before reading the schematics.

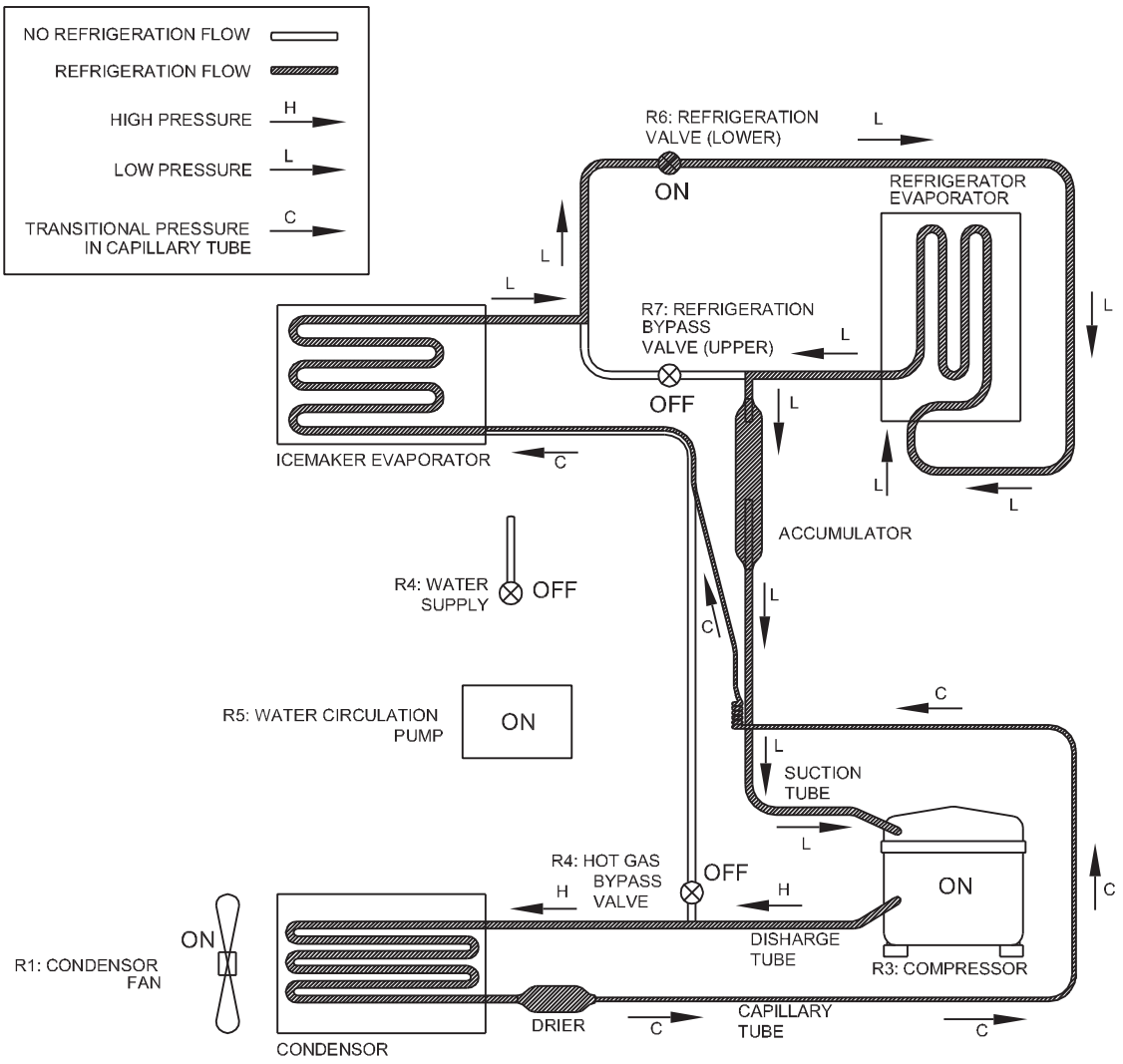
These are some additional general notes and exceptions:

- The controller has a four-minute compressor minimum off-cycle regardless of thermistor status, for compressor protection and cycling.
- When making ice, the controller reads liquid line temperature four minutes into the ice-making cycle to determine the length of that ice-making cycle and subsequent harvest length.
- Once an ice-making cycle is initiated, it will continue through to harvest regardless of the bin sensor.
- There is a three-minute water fill cycle when the unit is turned on. Mode 6.
- In order to maintain adequate refrigerator temperature, the unit will sometimes run in the refrigeration only mode, as shown in Mode 3, even if the ice bin sensor is calling for ice. At the end of each ice harvest, the controller checks the refrigerator sensor and if it is warmer than the higher of 42°F, or the set-point, it will go into refrigeration only mode. The refrigerator must be at 42° or setpoint to make ice continuously. Example:

Setpoint	Temperature	
38°	42° or lower	ice
38°	45°	no ice
55°	55°	ice
55°	58°	no ice

  There is no fill cycle when ice-making re-initiates in this case because the bin sensor has not been satisfied.

- When the initial three-minute fill cycle is complete, the unit will enter ice making and refrigeration mode (1) if the bin is empty or below the sensor. However, after the first slab of cubes is harvested, the controller will follow the logic defined in 5 above and realizing the refrigerator is too warm, will continue in refrigeration only mode (3) until the requirement is satisfied. Thus, upon start-up, the user will see one slab of ice dropped in about 30 minutes, and then there will be no more ice until the refrigerator reaches 42°F or set-point. (This may be two to three hours depending on ambient conditions.)
- There will also be a water fill cycle after the ice bin has been "full" and then calls to make ice again. This can occur when the refrigerator side is off as shown in Mode 6, or when it is on, which is shown in Mode 8. If the refrigerator side is on, when the fill cycle initiates, it will remain on until the fill cycle is completed, even if the refrigerator sensor is satisfied.
- The controller has a four-degree differential designed into it for the refrigerator sensor, such that when it is set to 38°F, the refrigerator will cool until the refrigerator sensor reads 36°F and will not re-initiate refrigerator cooling until the sensor reaches 40°F. So someone monitoring actual temperature (by pressing WARMER momentarily) may see the refrigerator off when the temperature is a degree warmer than set-point, or refrigerator on when it is a degree below set-point. Refer to **Echelon Keypad**.
- There is no high limit cut-out on this unit; however, if the liquid line sensor were to go out of range (approximately 185°F) the ice maker side of the unit will shut down. The refrigerator will continue to run. When the temperature of the liquid falls back in range, the unit will re-initiate operation. The unit will not normally experience this condition up to 110°F, but conditions such as door openings, heavy loading, restricted airflow, dirty condenser or direct sunlight may contribute to reaching this mode.
- Different from the earlier CLRCO2075, this unit uses two relays to control the refrigeration valves. This means that the valves will only be energized when needed.
- There is now a thermistor on the refrigerator evaporator that will sense the evaporator plate temperature. This will allow the unit to fully defrost based on temperature of the evaporator plate during the defrost modes.



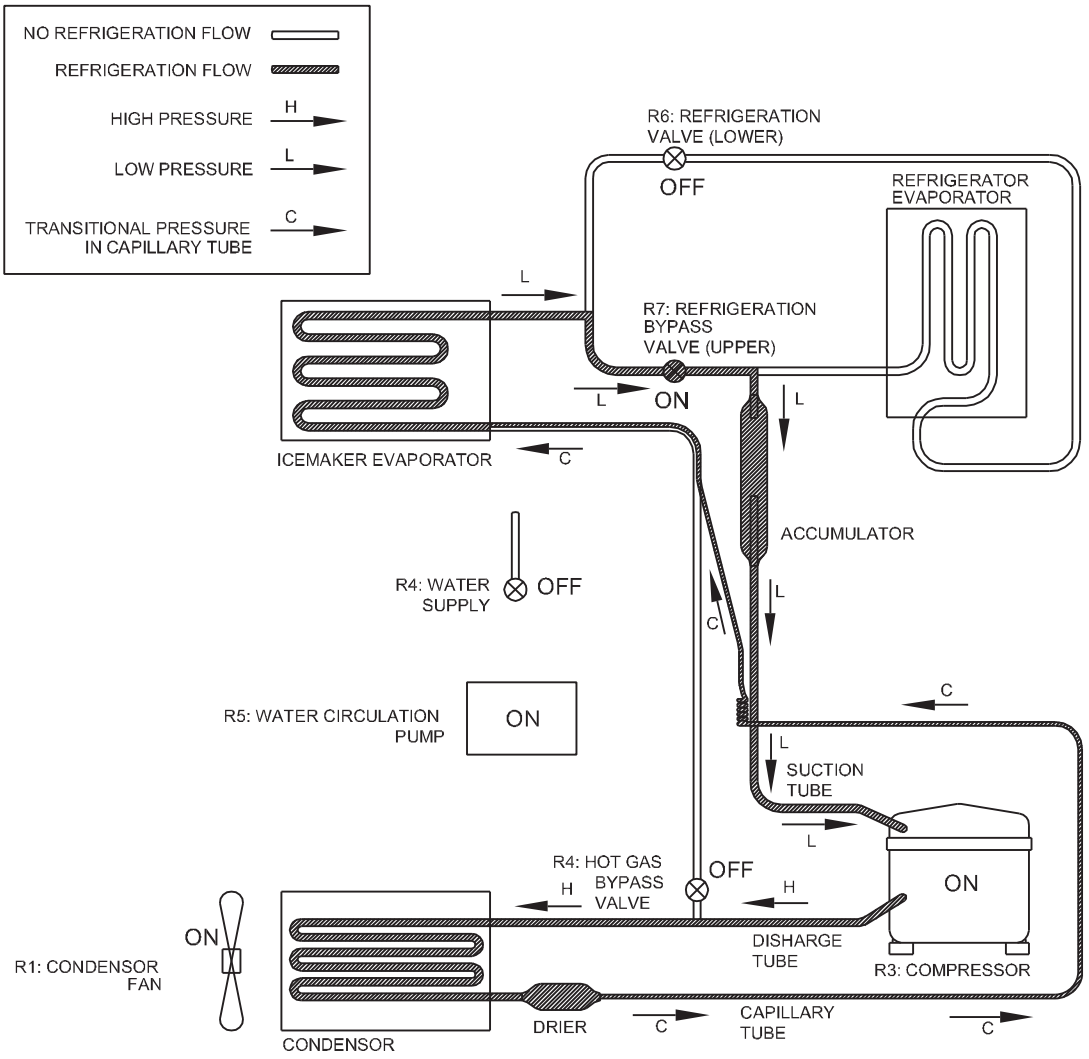
T1: Refrigerator sensor: Calling for cooling
T2: Bin sensor: Calling for ice
T3: Evaporator sensor: No impact on this mode, only affects defrost determination.
T4: Liquid line sensor: Determines length of ice cycle & harvest

RELAY	R1	R2	R3	R4	R5	R6	R7
FUNCTION	FAN	LIGHT	COMP	HOT GAS/ WATER IN	CIRC PUMP	REF VALVE	REF BYP VALVE
STATUS	ON	ON/OFF*	ON	OFF	ON	ON	OFF

*Light is independent of ice making and refrigeration cycle, and is determined by door switch.

ULIN_0328_A

Figure 2. CLRCO2175 Mode 1: Ice Making and Refrigeration



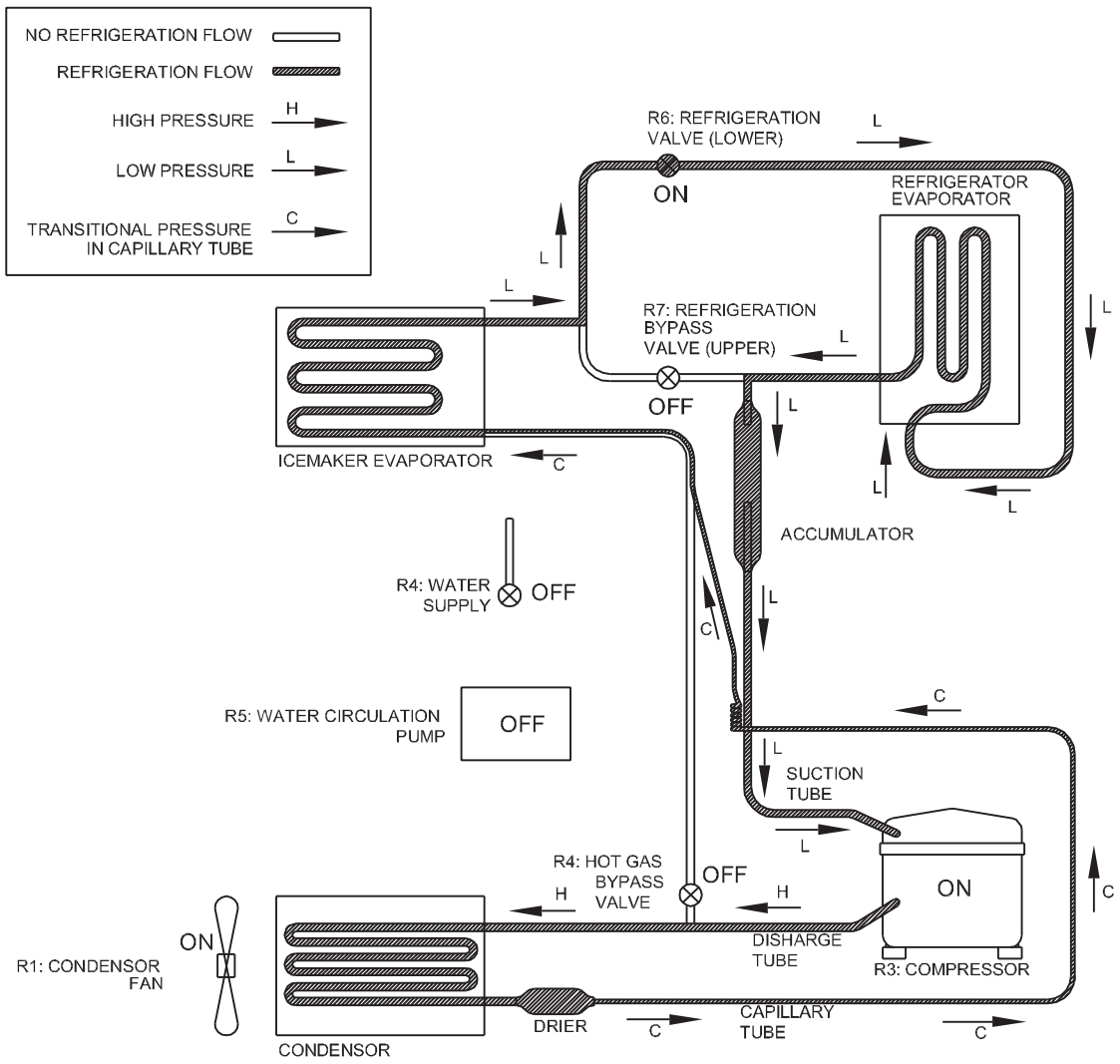
T1: Refrigerator sensor: Satisfied (No call for cooling) or in ref defrost
T2: Bin sensor: Calling for ice
T3: Evaporator sensor: No impact on this mode, only affects defrost determination.
T4: Liquid line sensor: Determines length of ice cycle & harvest

RELAY	R1	R2	R3	R4	R5	R6	R7
FUNCTION	FAN	LIGHT	COMP	HOT GAS/ WATER IN	CIRC PUMP	REF VALVE	REF BYP VALVE
STATUS	ON	ON/OFF*	ON	OFF	ON	OFF	ON

*Light is independent of ice making and refrigeration cycle, and is determined by door switch.

ULIN_0329_A

Figure 3. CLRCO2175 Mode 2: Ice Making and No Refrigeration (or Ref Defrost)

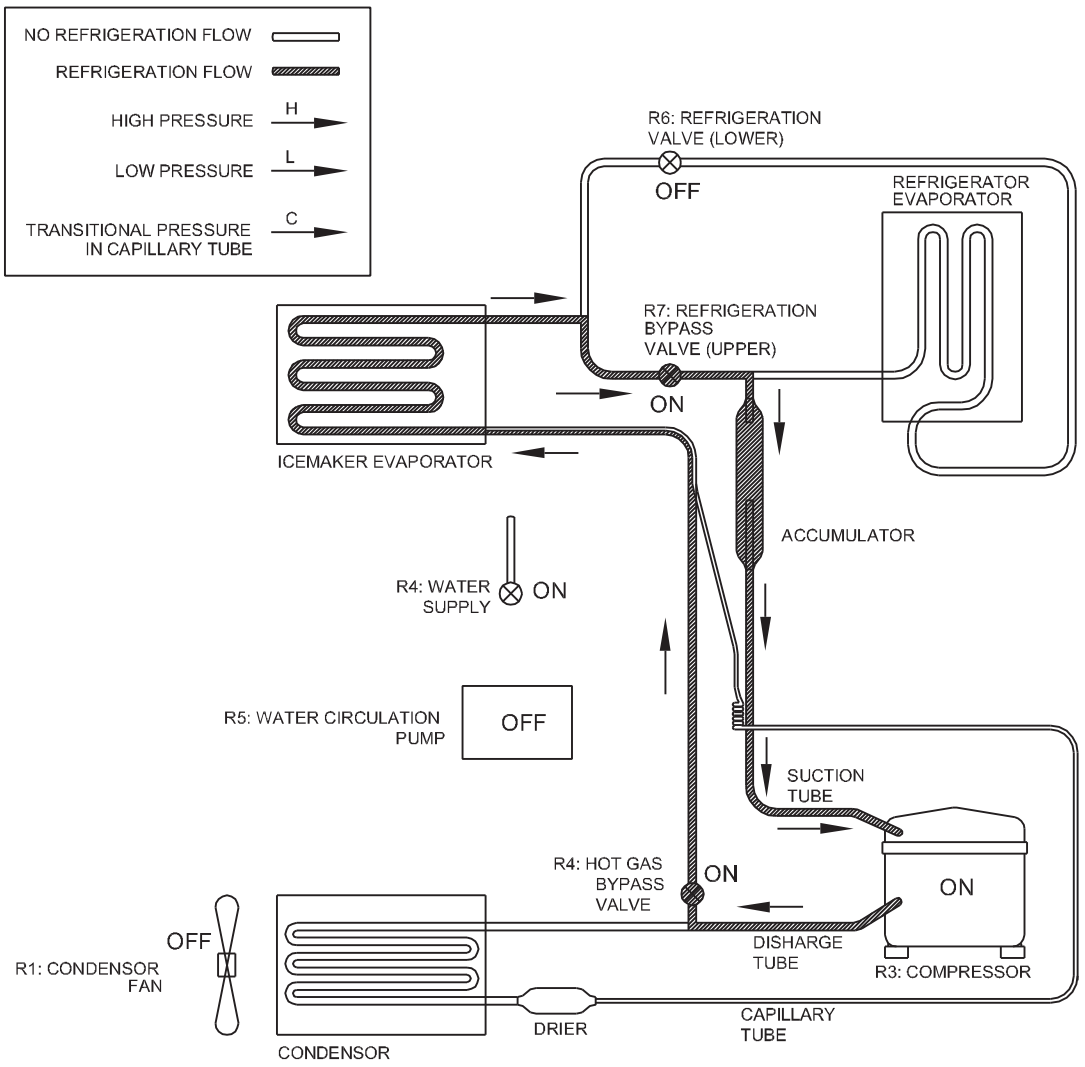


T1: Refrigerator sensor: Calling for cooling
T2: Bin sensor: Satisfied - Bin full
T3: Evaporator sensor: No impact on this mode, only affects defrost determination.
T4: Liquid line sensor: Not Applicable

RELAY	R1	R2	R3	R4	R5	R6	R7
FUNCTION	FAN	LIGHT	COMP	HOT GAS/ WATER IN	CIRC PUMP	REF VALVE	REF BYP VALVE
STATUS	ON	ON/OFF*	ON	OFF	OFF	ON	OFF

*Light is independent of ice making and refrigeration cycle, and is determined by door switch.

Figure 4. CLRCO2175 Mode 3: Refrigeration and No Ice Making



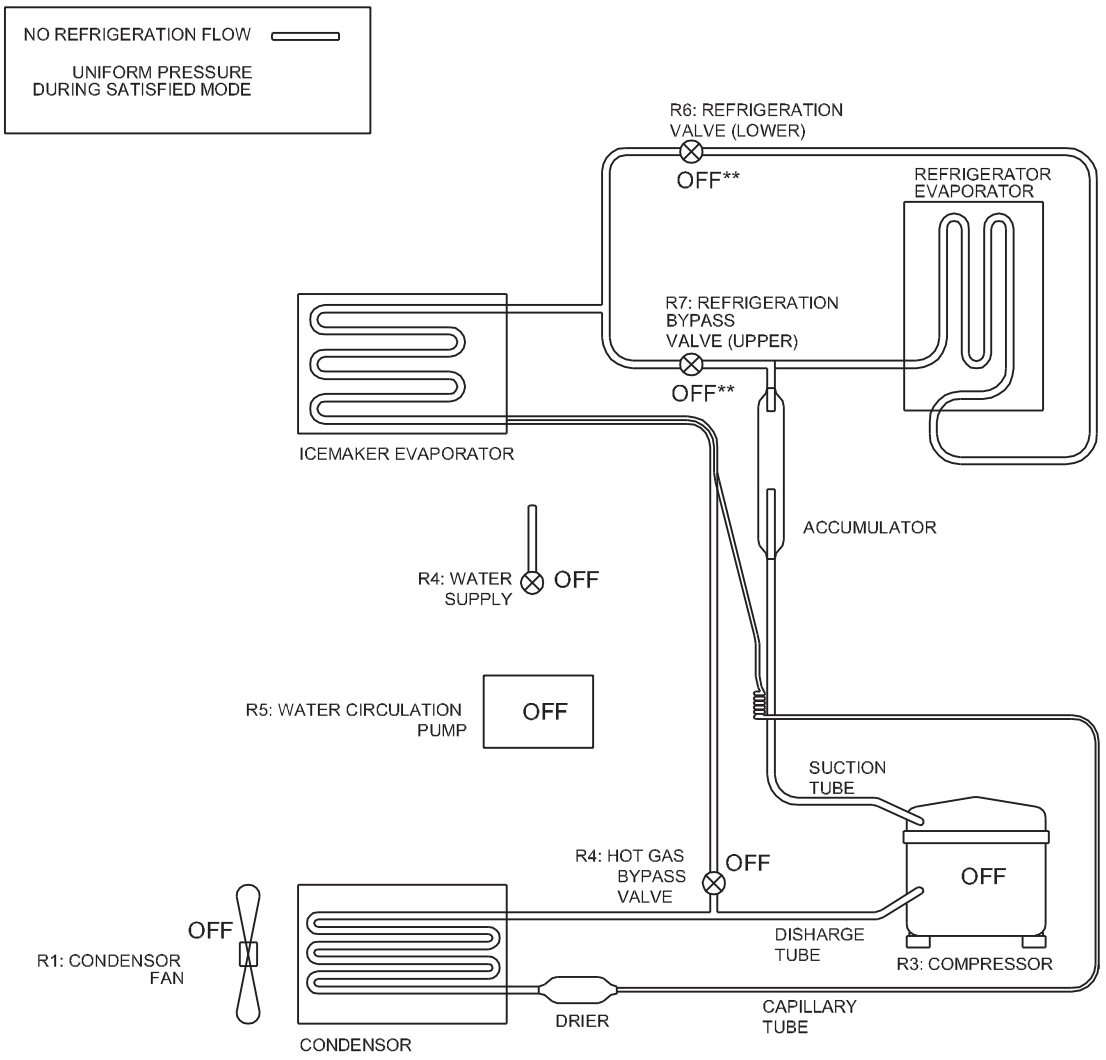
T1: Refrigerator sensor: Not applicable
T2: Bin sensor: Not applicable
T3: Evaporator sensor: No impact on this mode, only affects defrost determination.
T4: Liquid line sensor: Determines length of ice cycle & harvest

RELAY	R1	R2	R3	R4	R5	R6	R7
FUNCTION	FAN	LIGHT	COMP	HOT GAS/ WATER IN	CIRC PUMP	REF VALVE	REF BYP VALVE
STATUS	OFF	ON/OFF*	ON	ON	OFF	OFF	ON

*Light is independent of ice making and refrigeration cycle, and is determined by door switch.

ULIN_0331_A

Figure 5. CLRCO2175 Mode 4: Ice harvest (No Refrigeration Possible)



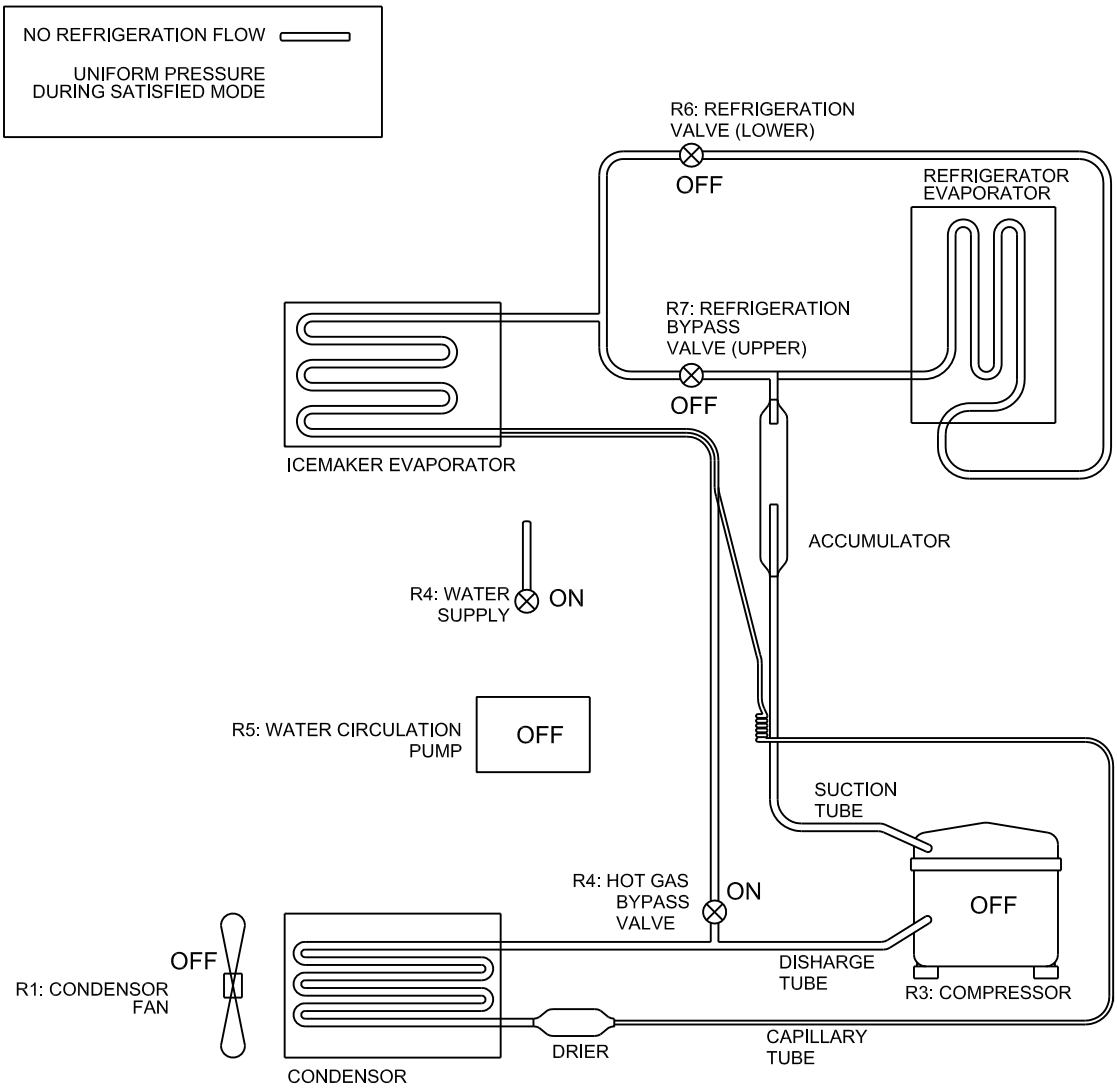
T1: Refrigerator sensor: Staisfied (No call for cooling)
T2: Bin sensor: Satisfied - Bin Full
T3: Evaporator sensor: No impact on this mode, only affects defrost determination.
T4: Liquid line sensor: Not Applicable

RELAY	R1	R2	R3	R4	R5	R6	R7
FUNCTION	FAN	LIGHT	COMP	HOT GAS/ WATER IN	CIRC PUMP	REF VALVE	REF BYP VALVE
STATUS	OFF	ON/OFF*	OFF	OFF	OFF	OFF**	OFF**

*Light is independent of ice making and refrigeration cycle, and is determined by door switch.
**On for first five minutes.

ULIN_0332_A

Figure 6. CLRCO2175 Mode 5: Off

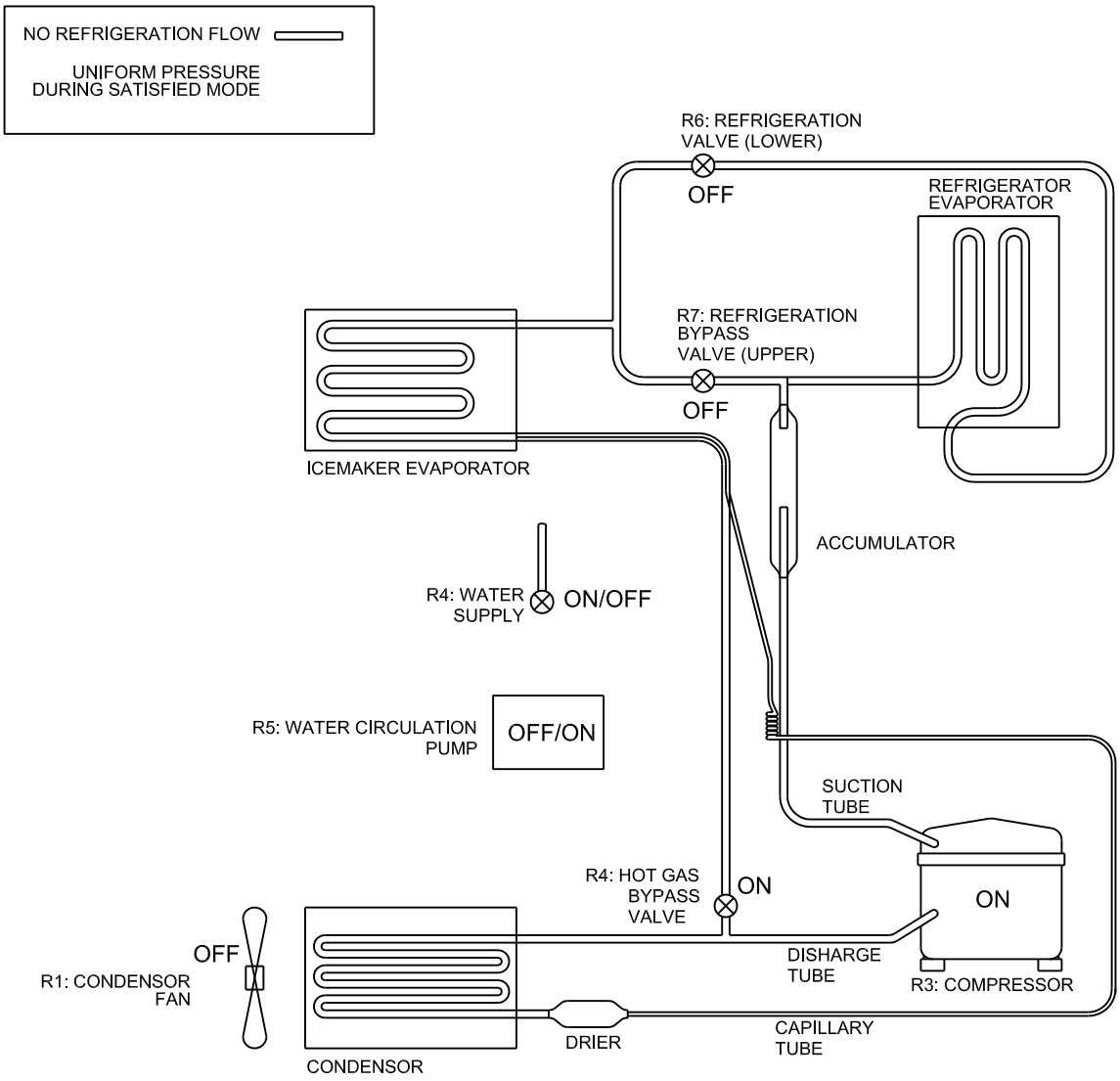


T1: Refrigerator sensor: Not applicable
T2: Bin sensor: Not applicable
T3: Evaporator sensor: Not applicable
T4: Liquid line sensor: Not applicable

RELAY	R1	R2	R3	R4	R5	R6	R7
FUNCTION	FAN	LIGHT	COMP	HOT GAS/ WATER IN	CIRC PUMP	REF VALVE	REF BYP VALVE
STATUS	OFF	ON/OFF*	OFF	ON**	OFF	OFF	OFF

*Light is independent of ice making and refrigeration cycle, and is determined by door switch.
** Normal start-up lasts 3 minutes

Figure 7. CLRCO2175 Mode 6: Water Fill - No Refrigeration Possible (Normal Start-Up)



T1: Refrigerator sensor: Not applicable
T2: Bin sensor: Not applicable
T3: Evaporator sensor: Not applicable
T4: Liquid line sensor: Not applicable

RELAY	R1	R2	R3	R4	R5	R6	R7
FUNCTION	FAN	LIGHT	COMP	HOT GAS/ WATER IN	CIRC PUMP	REF VALVE	REF BYP VALVE
STATUS	OFF	ON/OFF*	OFF	ON/OFF	ON/OFF	OFF	OFF

*Light is independent of ice making and refrigeration cycle, and is determined by door switch.

Figure 8. CLRCO2175 Mode 7: Cleaning (No Refrigeration Possible)

THERMISTOR OUTAGE

In the event that the condenser thermistor (T4) fails, the unit will stop all functions and display "ER" on the user interface. The exact error can be accessed via the service mode.

If the refrigerator thermistor (T1) fails, the refrigerator will stop operation; however, the ice maker will continue to function. The display will show "ER." The exact error can be accessed via the service mode.

If the ice bin thermistor (T2) fails, the ice maker will stop functioning; however, the refrigerator will continue to work. The display will show "ER." The exact error can be accessed via the service mode.

If the refrigerator evaporator thermistor (T3) fails, the unit will function normally; however, defrosting will occur on a timing interval instead of timing and temperature. The display will show "ER." The exact error can be accessed via the service mode.

SERVICE

The CLRCO2175 model uses seven relays and four thermistors. There is a variety of built-in servicing features to aid in diagnosing the root problem associated with a unit.

To check to see which relays are currently operating, hold the COLDER key and press the ON/OFF key three times. When entering the sequence keep the COLDER key pressed until you completely release the ON/OFF key for the third time. The display will cycle through a series of numbers to tell which relays are energized. For example, if the unit was in ice-making mode, the display would show 11 20 31 40 51 60 70. The first number is the relay number. In the second number, 1 means ON and 0 means OFF. The relay information can be found in the Control Section.

Each relay can also be turned on and off individually to determine whether or not the board and component are operating. If a board is suspected of not operating correctly, you can run through this sequence to ensure each component is turning on and off through the board correctly. Go into service mode and choose option #22. This will cycle every relay on and off showing 10 11 20 21 …. If a component fails to turn on when the relay does, you can verify if there is voltage present by using a voltmeter to check the board output.

To view the actual refrigerator (T1) temperature, hold the WARMER key until the actual temperature is displayed. To view the actual thermistor readings for 2-4, hold the WARMER and COLDER keys for about five seconds. The display will cycle through the three thermistors and their temperatures. If a thermistor is unused in a unit it will show a "0" reading. For thermistor 4 the display will only show up to "99." In the event the temperature is higher than this, the display will show a flashing "99."

In the general section the methods to enter some other service modes are available. For the CLRCO2175 model some useful modes are the ICE MAKER OFF MODE, FORCED REFRIGERATOR DEFROST, ICE THICKNESS ADJUST, CLEAN, AND TEMPORARY SHUTDOWN MODE. These can be useful in servicing the unit.

TROUBLESHOOTING:

Error Codes

E1, E2, E7, E8, E9	Bad thermistor errors. Replace thermistor. Check for thermistor errors by accessing "View thermistor # status (2, 19, 20, or 21)." If the error code is repeated, the thermistor is open or shorted. If a temperature is displayed, the thermistor is not defective.
E3	This will be accompanied by a beep every minute. This signals that the door has been left open for longer than 20 minutes. Close the door to reset. If the light and display do not go off when the door is closed, check to make sure the magnet is positioned properly.
E5	This signals that the unit has been above set-point for more than twelve hours by at least 10°. If the unit was just plugged in leave for 24 hours to see if the problem is corrected. If it is not corrected, it is most likely a refrigeration system issue.
E6	This signals that the refrigerator section has been at least 10° below set-point for at least twelve hours. This would most likely be caused by a bad relay and the circuit board.
P1	Pump circuit is detecting a drain problem. Consult a plumber to resolve the issue. If unit does not have a P60 installed, then the jumper wire is missing in place of the pump.

After checking the errors, be sure to clear the error log by performing service option 12.

No ice

Check the ice bin temperature. If temperature is in the 34-35°F range the unit is shut down due to low temperature inside. This could be caused by low ambient temperatures or running the unit without a water supply attached.

If the ice bin temperature is above 35°F the unit should be producing ice. Check to ensure the water trough is full and the pump is operating. If the components are not operating, see the service section above.

Too much ice

Ensure there is Permagum around the thermistor hole. If there is, proceed to the next step.

The control board is equipped with adjustment to adjust the level of ice in the bin for customer preference or when used in abnormal installations. With ice stacked to the desired level, check the bin temperature by holding WARMER and COLDER for five seconds. We'll assume the display showed 38°F for this example. Go to service mode #24 and adjust the setting to that number. This will allow the bin to shut off at this ice level. This temperature needs to be checked after the door has been closed for at least 10 minutes in order for the thermistor temperature to stabilize.

Too little ice

If this is a recurring issue, try adjusting service option #24 cooler in 1 or 2° increments until the desired level of ice is achieved.

Ice not sized to customer satisfaction

The thickness of the cubes can be adjusted per the ice thickness section of the manual.

Noise

Some noise from this unit is normal. You may hear the sound of ice dropping into the bin, especially when it is empty. The harvesting process involves flowing refrigerant and water through valves which may produce a rushing type sound during the harvest. The fan and compressor will produce a continuous low motor noise. If equipped, the P60 pump will produce noise at regular intervals as it empties water from the unit. If any of these is objectionable the unit has an Office mode which can be entered for three hours at a time. During this mode the unit will not produce ice; however, the drain pump will continue to operate.

No water in trough

Ensure the stand pipe is fully inserted into the trough.

Check the water valve to see if it is filling the unit.

Watch the water flow over the mold to see if excess water is being splashed out of the trough. This could be the result of improper leveling.

Ice does not release from evaporator

This could be caused by improper leveling or the unit is in need of cleaning.

Poor ice quality

This can be caused by poor incoming water quality. The CLRCO2175 is designed to produce clear ice in most water; however, abnormal water conditions may result in the need for further filtering.

Water in ice bin

A defect in the drain from the unit will cause water to stop draining from the unit.

Display is showing something other than "SP (38)," "ER" or "CL."

Push one of the keys to see if the display is reset.

Turn unit on and off via the display pad.

Unplug unit, wait one minute and plug back in. If any of these steps returns the unit to operation the unit was probably accidently entered into a service mode.

Display is showing a random snaking of characters or a degree symbol is flashing.

The unit is in a special showroom mode. Hold the COLDER key and press LIGHT three times to exit.

Display not illuminating but unit operating

First try to plug and unplug the unit. If the display still does not illuminate there is a four-wire pin connector running from the main board in the base to the display board. One of the wires is disconnected or damaged.

Unit is not operating—no cooling—no fans.

Unplug unit and plug back in. If main board beeps when plugging in the unit then this is most likely a system problem, not a board issue.

If board does not beep when plugging in the unit, check the power supply to ensure the outlet is working. Also, check the fuse on the circuit board.

Refrigerator not cooling but ice maker working

Check to ensure the refrigerator thermistor is working properly.

Ice maker not operating—no water flowing over mold

The refrigerator needs to be at or below set-point (or 42°F) to start the ice-making process. If the unit is cool enough there could be a defective bin thermistor, defective condenser thermistor or defective solenoid coil.

2175R/2115R
2175WC/2115WC
2175BEV
2175DWRR/2275DWRWS
2275ZWC
(Includes Overlay Models)

GENERAL

Refrigerant is pumped from the compressor to the condenser as a high pressure, high temperature vapor.

As the refrigerant cools in the high pressure condenser, the vapor condenses to liquid. During this phase change, a great amount of heat is rejected with the help of the condenser fan.

The liquid then flows to the dryer where it is strained and filtered.

From the dryer, the refrigerant flows through the capillary tube which meters the liquid refrigerant to the evaporator. The pressure of the refrigerant is reduced to the evaporating or low side pressure.

The reduction of pressure on the liquid refrigerant causes it to boil or vaporize until it reaches saturation temperature. As the low temperature refrigerant passes through the evaporator coil, it continues to absorb a lot of heat, causing the boiling action to continue until the refrigerant is completely vaporized. It is during this phase that the most heat is absorbed (the cooling takes place) in the refrigerator.

The refrigerant vapor leaving the evaporator travels through the suction line to the compressor inlet. The compressor takes the low pressure vapor and compresses it, increasing both pressure and temperature. The hot high pressure gas is pumped out the discharge line and into the condenser. The cycle continues

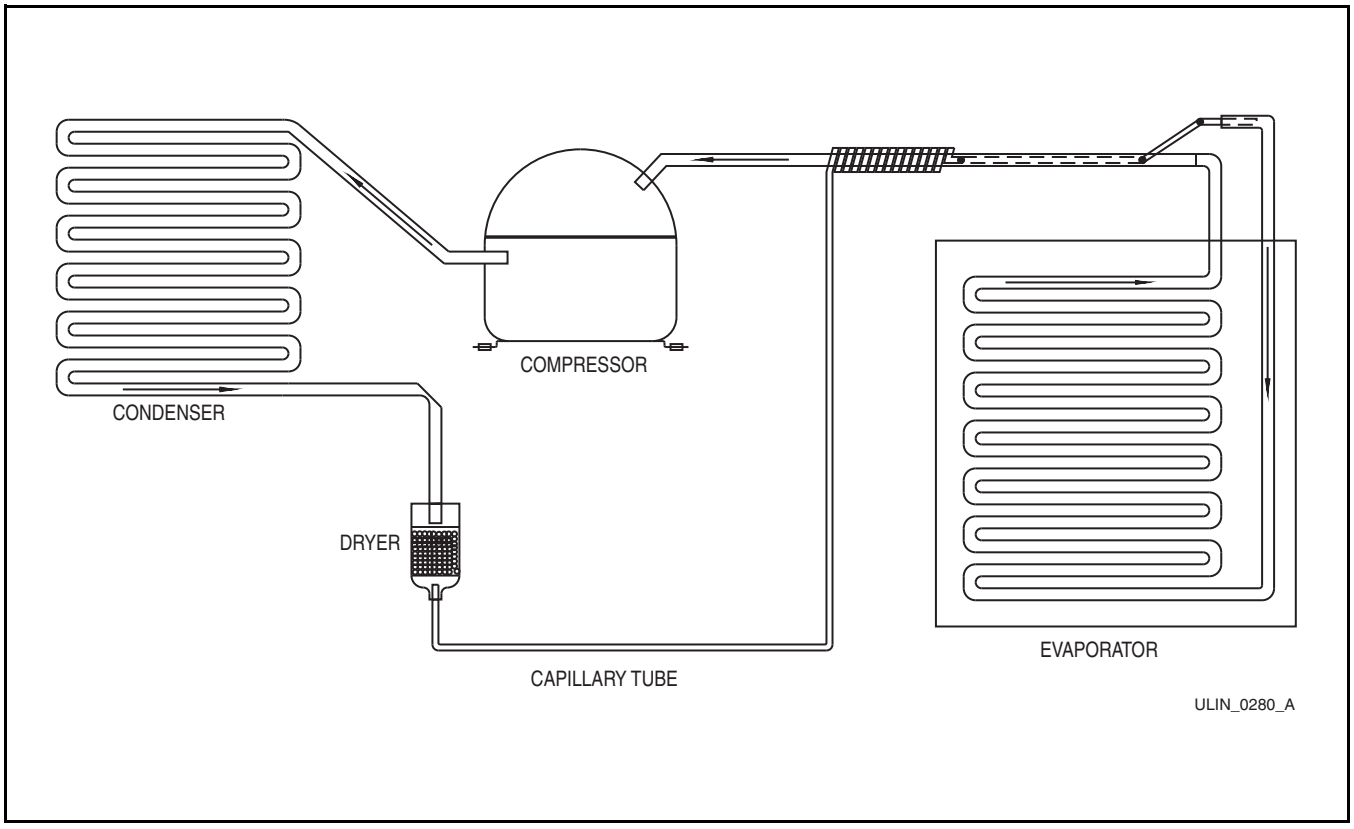


Figure 9. 2175R/2115R/2175WC/2175BEV/2275DWRR/2175DWRR

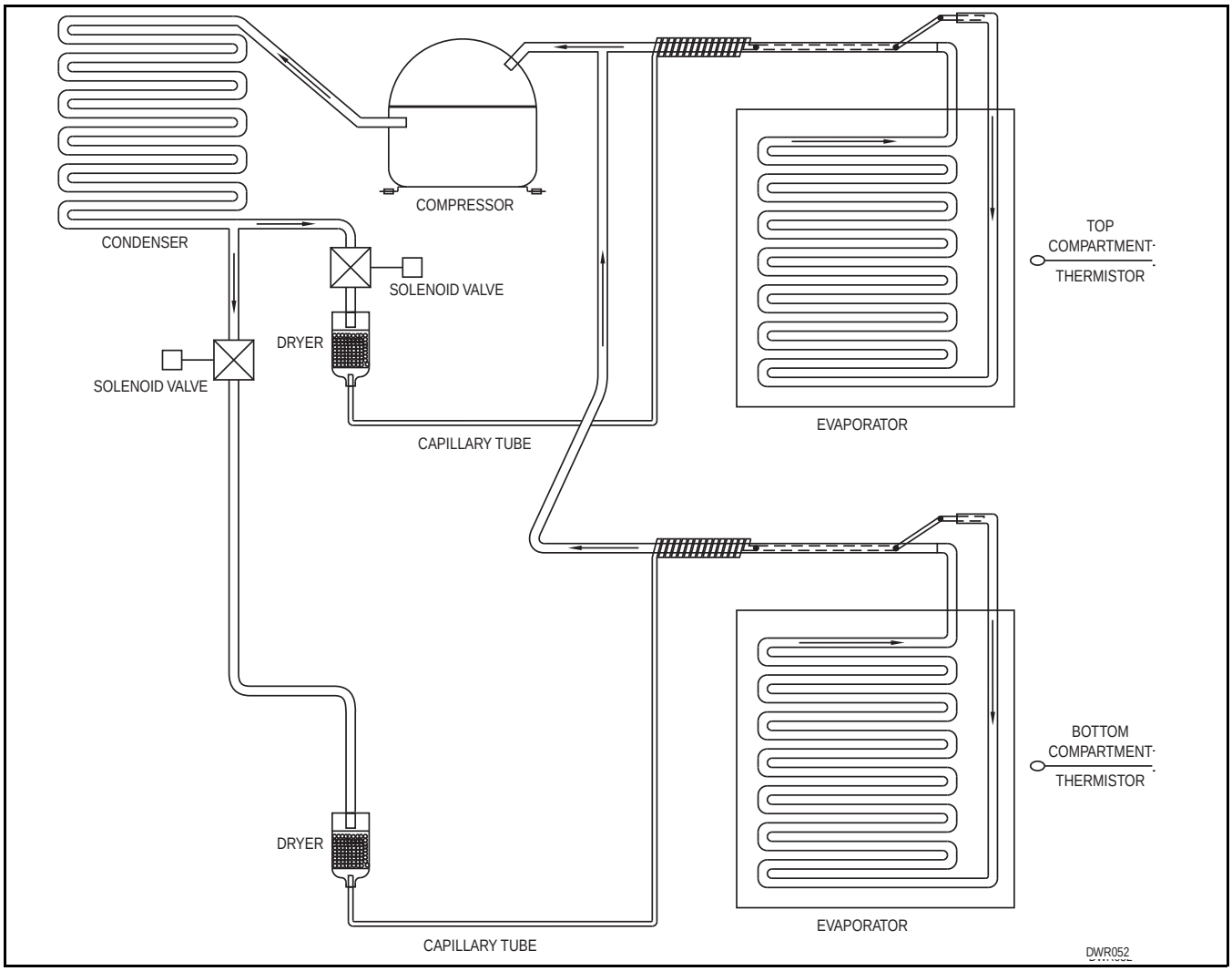


Figure 10. 2275DWRWS/2275ZWC

REVIEW THE FOLLOWING NOTES FOR GENERAL INFORMATION.

- The unit is equipped with a four-minute compressor-off cycle.
- The mullion heater is energized on the 2175DWRR whenever the T3 temperature falls below 90°F.

Normal defrosting is based on a time and temperature scale. See chart on page 3-40. Defrost ends if evaporator thermistor reaches stop point or maximum time, whichever comes first.

THERMISTOR OUTAGE (EXCEPT DWRWS & 2275ZWC):

If the refrigerator thermistor (T1) fails, the unit will continue to operate based on a preset time interval of 10 minutes on and 30 minutes off. The display will show "ER."

If the evaporator thermistor (T2) fails, the unit will operate except it will defrost solely on time and ignore the temperature reading. The display will show "ER." If the ambient thermistor (T3) fails, the unit will always have the mullion heater energized. The display will show "ER."

THERMISTOR OUTAGE (DWRWS & 2275ZWC)

If T1 is not working, unit runs a preset time interval — 10 minutes ON, 60 minutes OFF.

If T2 is not working, unit runs a preset time interval — 10 minutes ON, 60 minutes OFF.

If either T3 or T4 is open, use 90 minutes for defrost length. These errors do not show on the display; they are only logged on the board.

SERVICE

To check to see which relays are currently operating, hold the COLDER key and press the ON/OFF key three times. When entering the sequence, keep the COLDER key pressed until you completely release the ON/OFF key for the third time. The display will cycle through a series of numbers to tell which relays are energized. For example, if the unit was cooling the bottom drawer the display would show 11 20 31 40 50 61 70. The first number is the relay number. In the second number, 1 means ON and 0 means OFF. The relay information can be found in the Control Section.

Each relay can also be turned on and off individually to determine whether or not the board and component are operating. If a board is

suspected of not operating correctly, you can run through this sequence to ensure each component is turning on and off through the board correctly. Go into service mode and choose option #22. This will cycle every relay on and off showing 10 11 20 21 …. If a component fails to turn on when the relay does, you can verify if there is voltage present by using a voltmeter to check the board output. 1 means ON and 0 means OFF.

To view the actual refrigerator (T1) temperature, hold the WARMER key until the actual temperature is displayed. To view the actual thermistor readings for 2-4, hold the WARMER and COLDER keys for about five seconds. The display will cycle through the three thermistors and their temperatures. If a thermistor is unused in a unit it will show a "0" reading.

In the general section the methods to enter some other service modes are available.

TROUBLESHOOTING:

Error Codes

E1, E2, E7,

E8 & E9 Bad thermistor errors. Replace thermistor. Check for thermistor errors by accessing "View thermistor # status (2, 19, 20, or 21)." If the error code is repeated, the thermistor is open or shorted. If a temperature is displayed, the thermistor is not defective.

E3 This will be accompanied by a beep every minute. This signals that the door (or bottom drawer) has been left open for longer than 20 minutes. Close the door to reset. If the light and display do not go off when the door is closed, check to make sure the magnet is positioned properly.

E5 This signals that the unit has been above set-point for more than twelve hours by at least 10°. If the unit was just plugged in, leave for 24 hours to see if the problem is corrected. If it is not corrected, it is most likely a refrigeration system issue.

E6 This signals that the refrigerator section has been at least 10° below set-point for at least twelve hours. This would most likely be caused by a bad relay and the circuit board.

E10 This will be accompanied by a beep every minute. This signals that the top drawer has been left open for longer than 20 minutes. Close the door to reset. If the light and display do not go off when the door is closed, check to make sure the magnet is positioned properly.

After checking the errors, be sure to clear the error log by performing service option 12.

Excessive Frost on evaporator

Force a defrost cycle via the keypad input or shut down unit and thaw if frost is very thick. If the evaporator clears, it was due to some type of abnormal operation. If the unit will continue to be used in this manner, the defrost length can be lengthened in the service menu to prevent future issues. Extending this length may be detrimental to the refrigerator temperature. During very long defrosts the temperature may raise higher than desired.

During the forced defrost no heating will occur. This is just a prolonged off cycle.

Noise

Some noise is normal such as a hum from the fans/compressor.

Display is showing something other than "SP (38)" or "ER."

Push one of the keys to see if the display is reset.

Turn unit on and off via the display pad.

Unplug unit, wait one minute and plug back in. If any of these steps returns the unit to operation, the unit was probably accidently entered into a service mode.

Display is showing a random snaking of characters or a degree symbol is flashing.

The unit is in a special showroom mode. Hold the COLDER key and press the LIGHT key three times to exit.

Display not illuminating but unit operating

First try to plug and unplug the unit. If the display still does not illuminate there is a four-wire pin connector running from the main board in the base to the display board. One of the wires is disconnected or damaged.

Unit is not operating—no cooling—no fans.

Unplug unit and plug back in. If main boards beeps when plugging in the unit then this is most likely a system problem, not a board issue.

If board does not beep when plugging in the unit, check the power supply to ensure the outlet is working. Also, check the fuse on the circuit board.

Refrigerator too warm

Check the actual refrigerator temperature. If set to 38°F, the actual temperature should be between 36°F and 40°F during normal operation. Recent door openings, product loading or defrost cycles will push the temperature higher for short time periods.

CO2175F/2175RF/CO2175DWR

GENERAL

U-Line Frost Free Refrigeration System

Cooling Mode:

- Bypass solenoid valve closed
- Evaporator fan operating
- Refrigerant flows through capillary tube
- Normal vapor/compression cycle refrigeration
- Drain heater off (CO2175F/2175RF only)

Defrost Mode:

- Bypass solenoid valve open
- Refrigerant flows through bypass system
- Vapor flows from condenser to evaporator without a phase change
- Drain heater on (CO2175F/2175RF only)

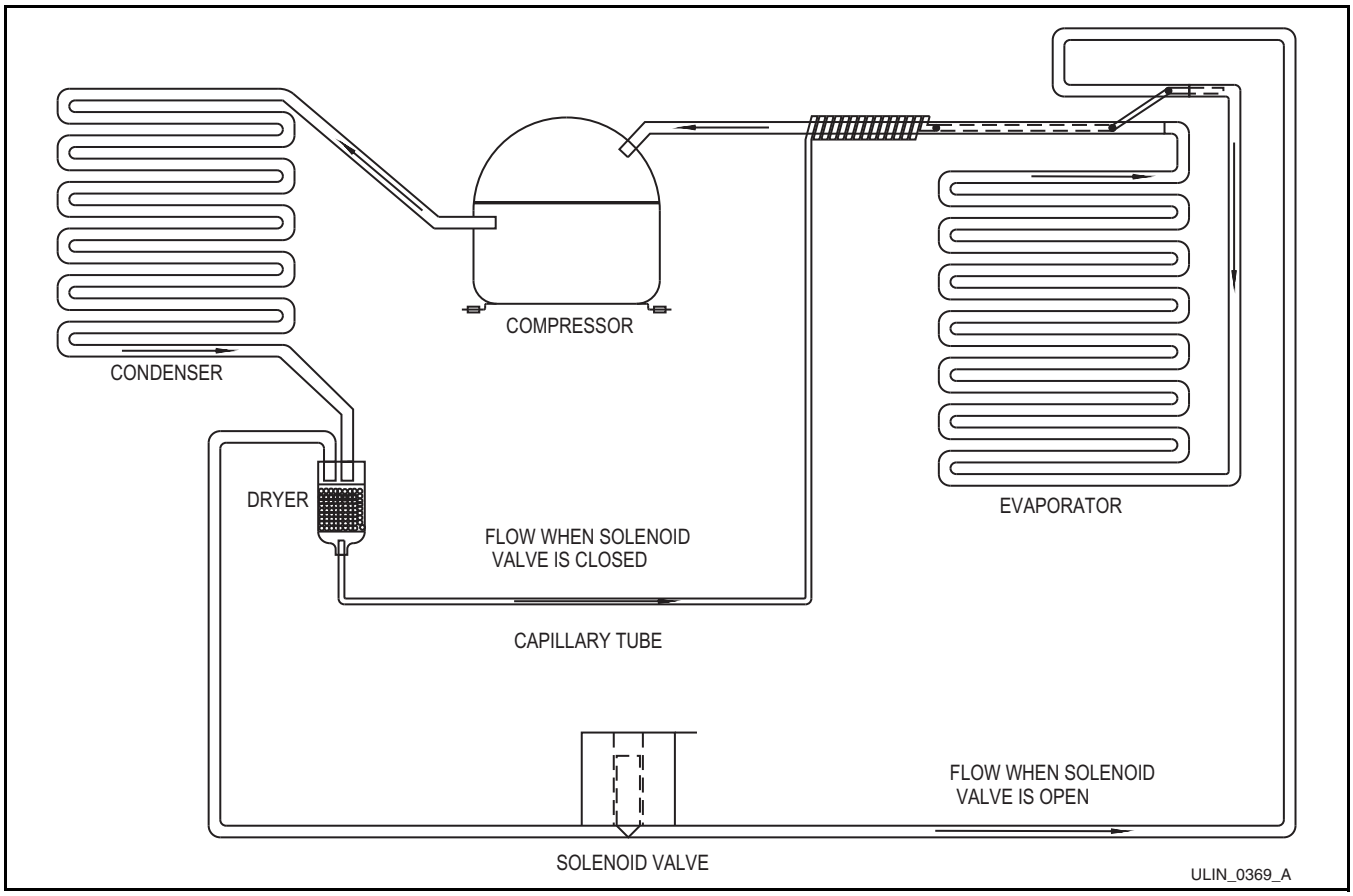


Figure 11. Frost Free Refrigeration System.

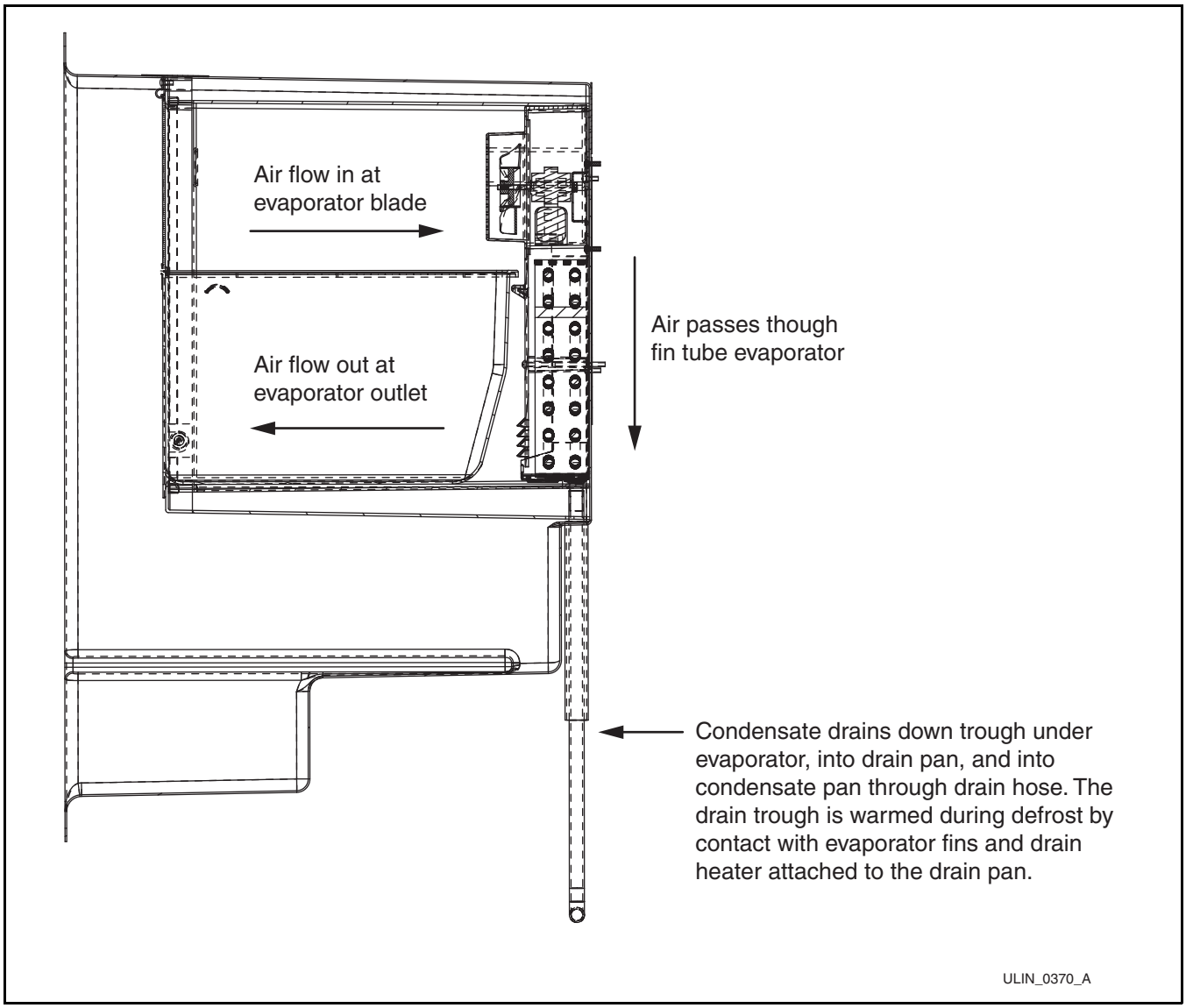


Figure 12. CO2175R & 2175RF Only: Typical Frost Free Airflow Configuration

THERMISTORS

Three or four thermistors are employed. All are of the type 2. These measure the refrigerator, freezer, ice maker, or evaporator drain pan.

REED SWITCH

A reed switch is mounted to the underside of the cabinet and a magnet is mounted to the door. When the door is closed the magnet trips the switch which turns the light and display off.

For the CO2175DWR model there is a second reed switch mounted on the inside rear left corner of the top drawer.

Both drawers are monitored individually; however, when either drawer is opened both cabinets light and the displays energize.

DEFROST

These units defrost on time and temperature. The Defrost Cycle runs for a minimum of 18 minutes (adjustable), and stops at a maximum of 45 minutes or when T4 reaches 42°F (non-adjustable), whichever comes first.

ICE MAKER

⚠WARNING

DO NOT cycle ice maker by hand. This will cause damage to the ice maker.

Freeze cycle

- Neither ice maker relay is energized.
- Unit is cooling down to 15°F set-point.
- The unit may cycle on and off as the ice maker is pulling down to maintain the proper refrigerator/freezer temperatures.
- The minimum freeze time as permitted by the board is 20 minutes (CO2175F) or 75 minutes (CO2175DWR).

Harvest cycle 1

- Relay 6 is energized for 30 seconds and relay 7 is energized for 10 minutes. The bin arm must be fully lowered and the lower drawer closed for this cycle to begin.

Harvest cycle 2

- The lower drawer must remain closed for the cycle to continue. In the event that it is opened the timers will hold until the drawer is closed. At that time they will resume the cycle. If the unit has a door rather than a drawer it is not effected.
- Relay 6 is now off and the ice maker is powered completely by relay 7. This occurs at approximately the 2 o'clock position.
- Ejector blades stall on the ice until the heater releases it from the mold.
- This cycle will last a few minutes.

Water fill cycle

- At about the 10 o'clock setting the water valve is energized for about 7 seconds to refill the mold.
- At the conclusion of the cycle the blades stop at the 12 o'clock position.

Harvest cycle 3

- Following the water fill relay 7 remains energized for the balance of the 10 minutes that it needs to remain on.

Storage mode

- The bin arm is in the UP position, either held in place by the ice or manually raised. The board continues to signal the ice maker to harvest so relays 6 and 7 will energize; however, with the arm up the cycle will not begin.

Review the following notes for general information before reading the schematics.

These are some additional general notes and exceptions:

- The unit is equipped with a four-minute compressor off cycle.
- The controller is designed to be able to show and set the refrigerator set-point. Based on this input the controller tries to maintain the perfect balance of refrigeration to keep the refrigerator and freezer at acceptable temperatures. For this reason the refrigerator temperature may fluctuate from 34°F to 40°F depending on the freezer load. The freezer will also float in a -10 to +10 range depending on the refrigerator load and usage.
- The ice harvest will be initiated when the ice maker temperature drops to 15°F. Through a built-in timer the ice maker can only harvest once every 20 minutes (for CO2175F) or 75 minutes (CO2175DWR) at a maximum so if the temperature is at 15°F it will not necessarily cycle depending on when the previous cycle had occurred.
- The drain pan heater will energize five minutes before and after the hot gas portion of the defrost cycle (not on CO2175DWR). This time is not included in the defrost total length.
- If the unit is turned off while the ice maker is in a harvest mode, the display will flash OFF while the ice is harvesting — up to 10 minutes.

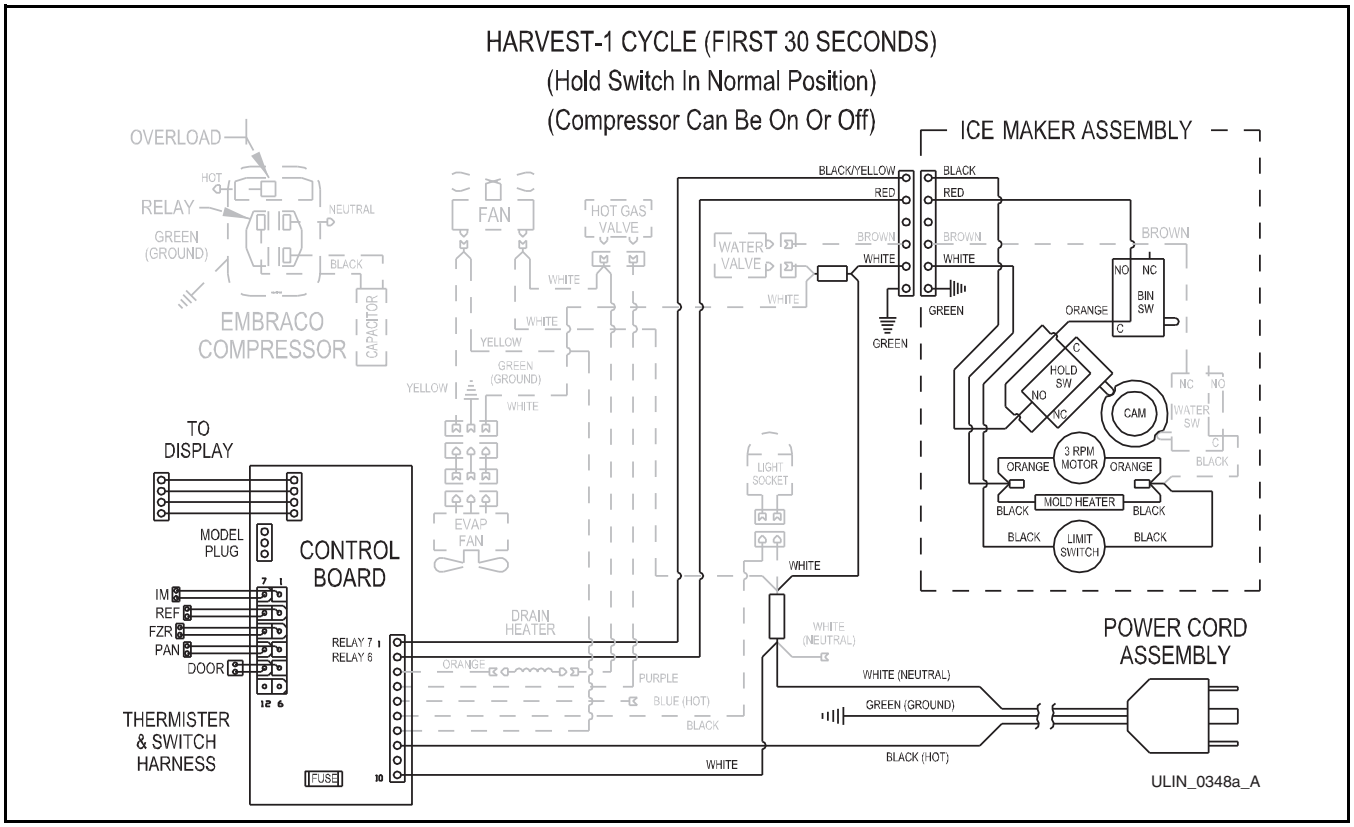


Figure 13. CO2175F Harvest-1 Cycle (First 30 Seconds

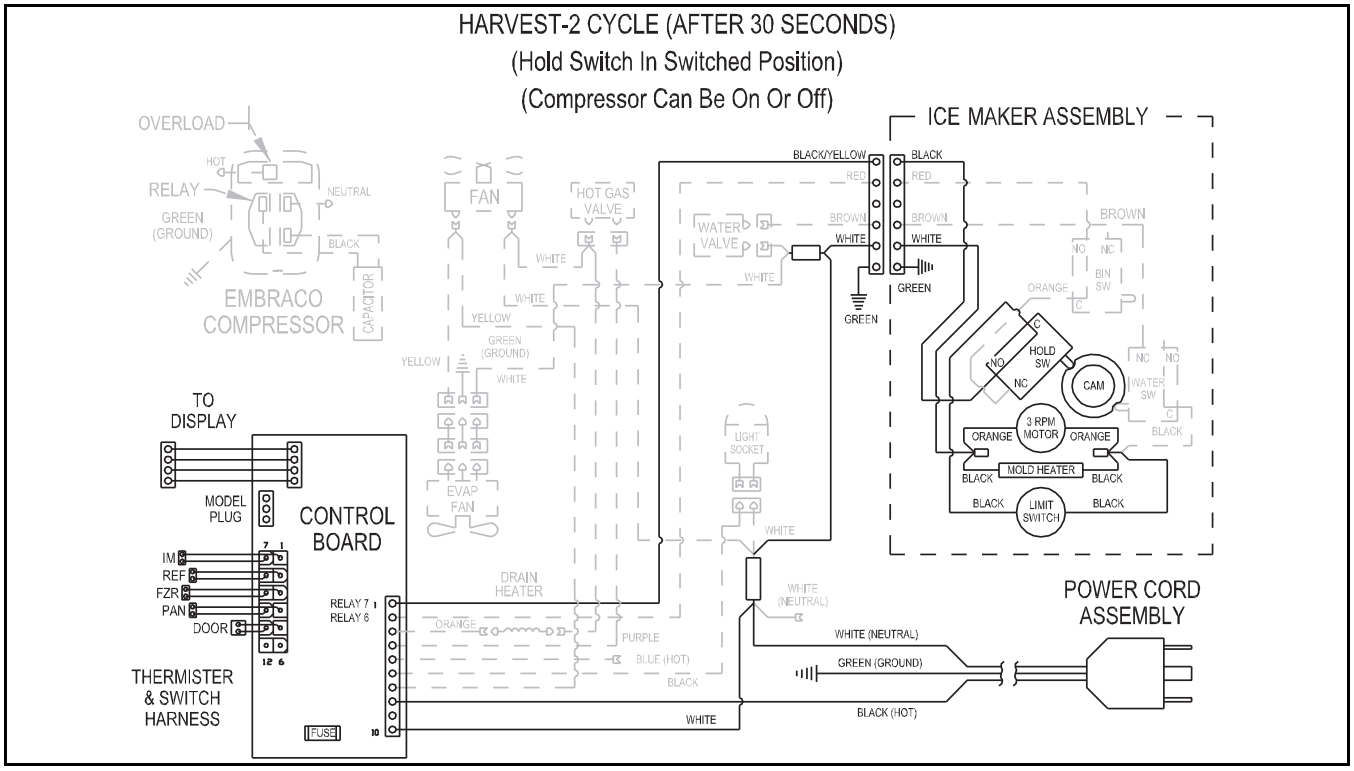


Figure 14. CO2175F Harvest-2 Cycle (After 30 Seconds)

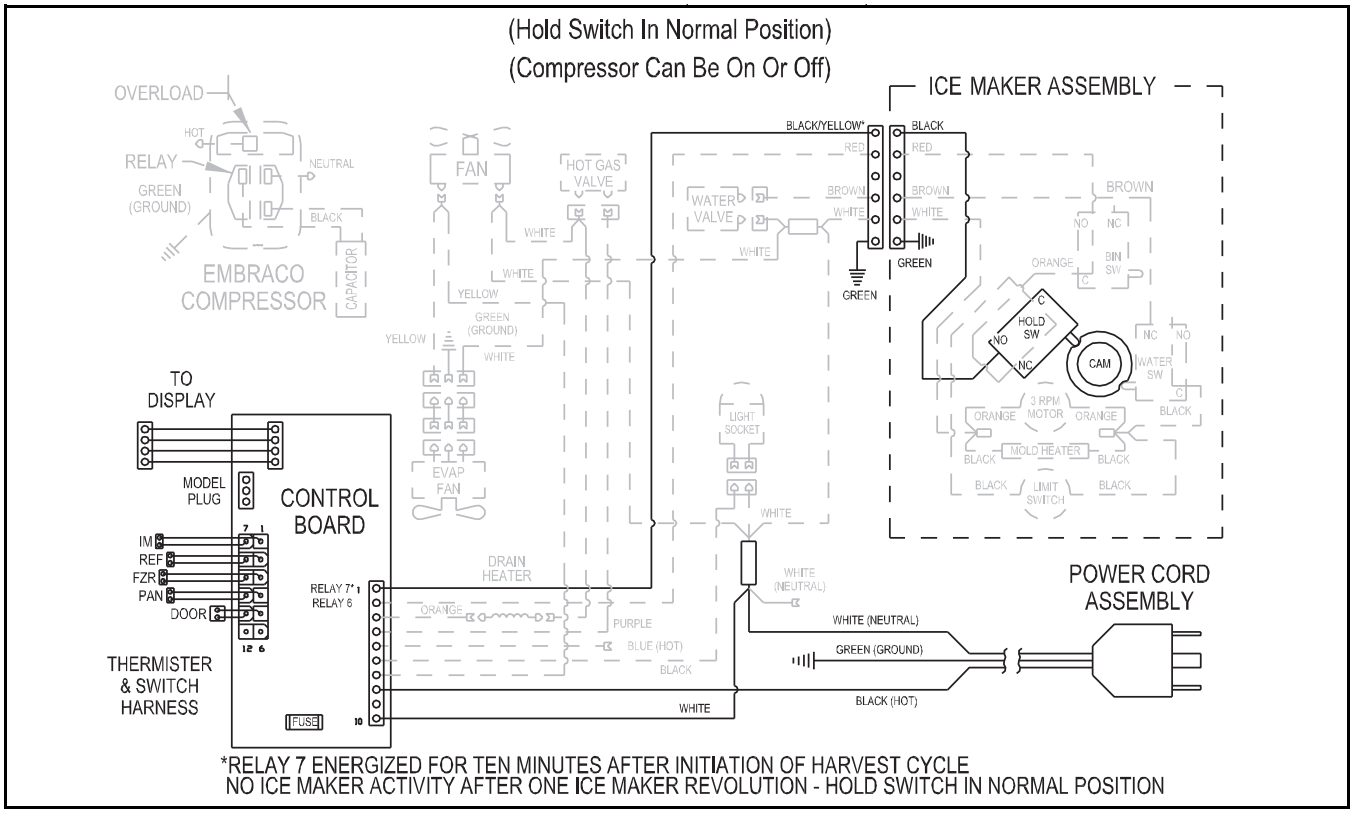


Figure 15. CO2175F Harvest-3 Cycle (Post Harvest)

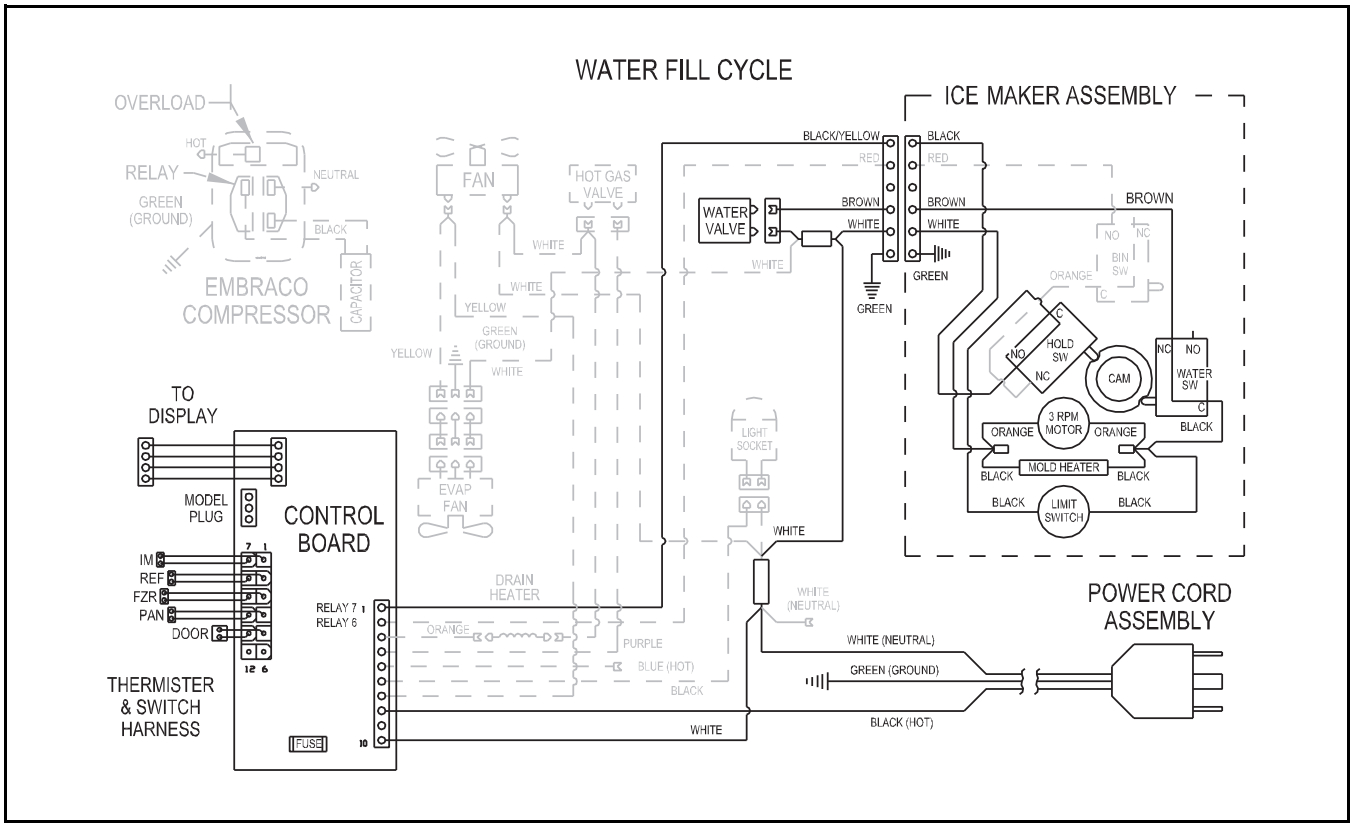


Figure 16. CO2175F Water Fill Cycle

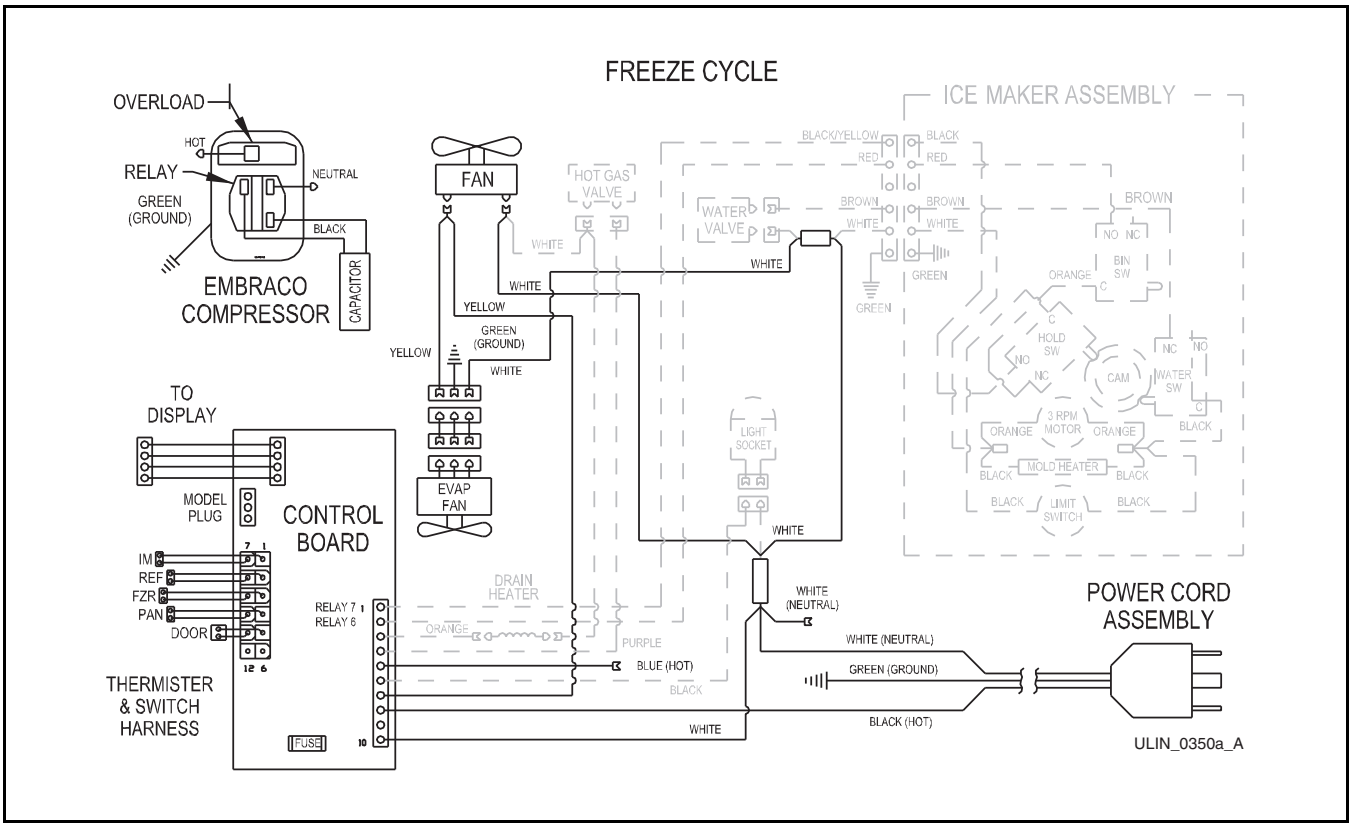


Figure 17. CO2175F Freeze Cycle

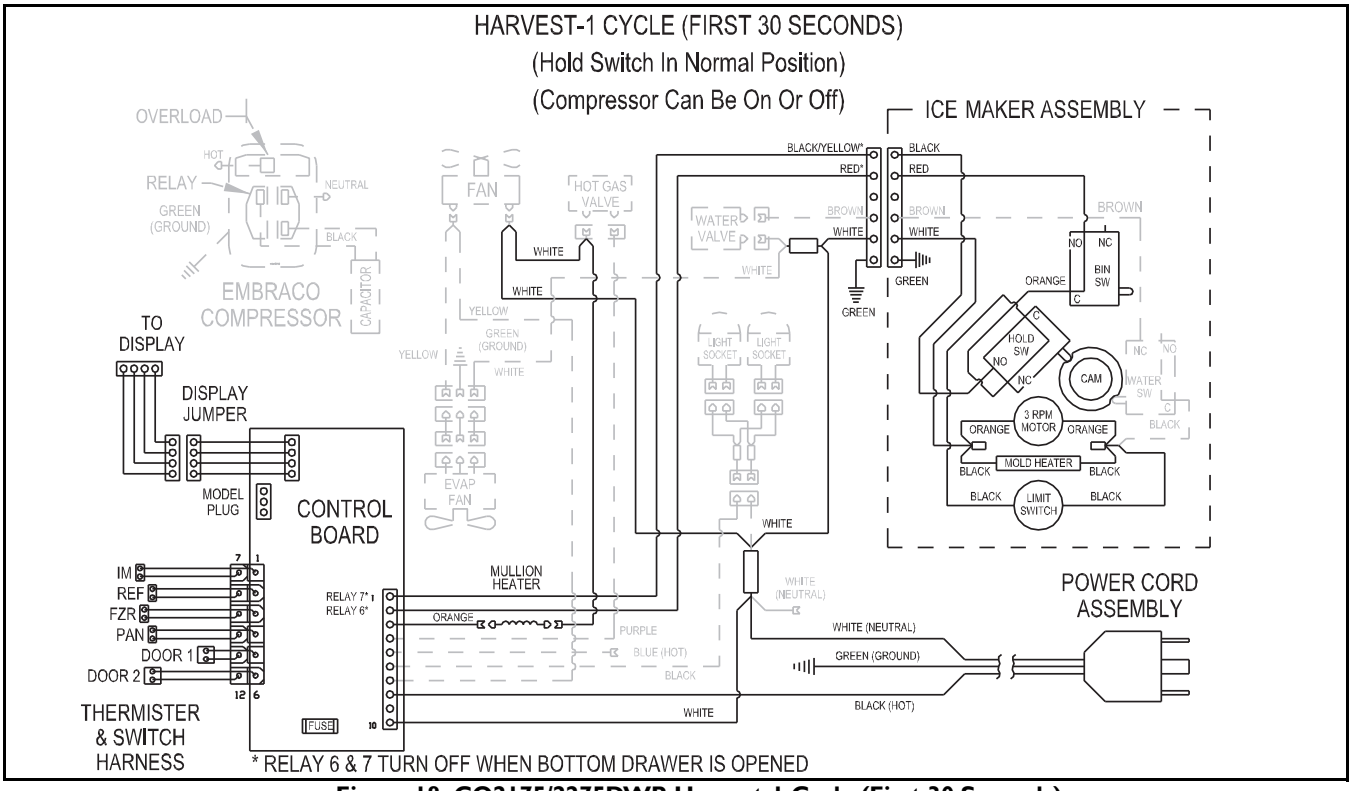


Figure 18. CO2175/2275DWR Harvest-1 Cycle (First 30 Seconds)

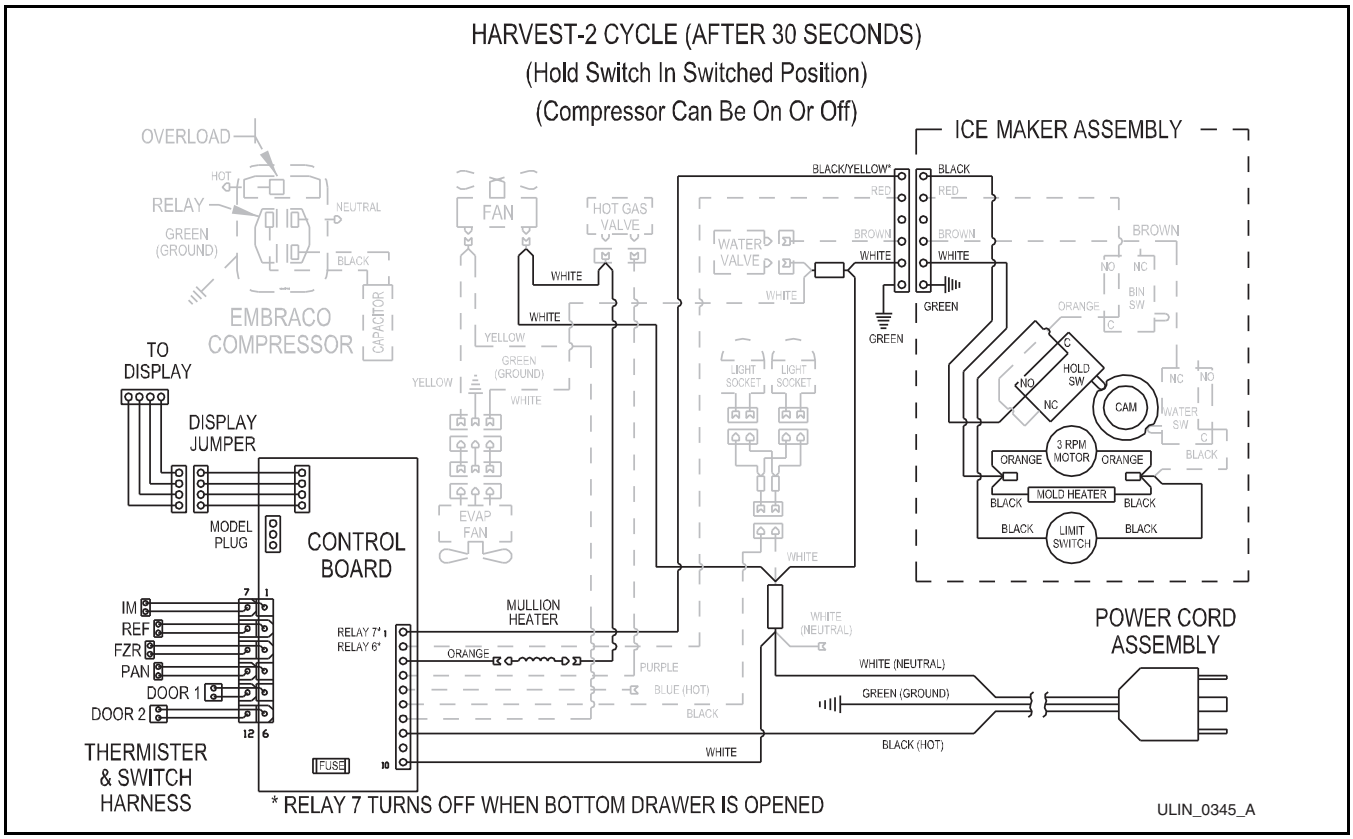


Figure 19. CO2175/2275DWR Harvest-2 Cycle (After 30 Seconds)

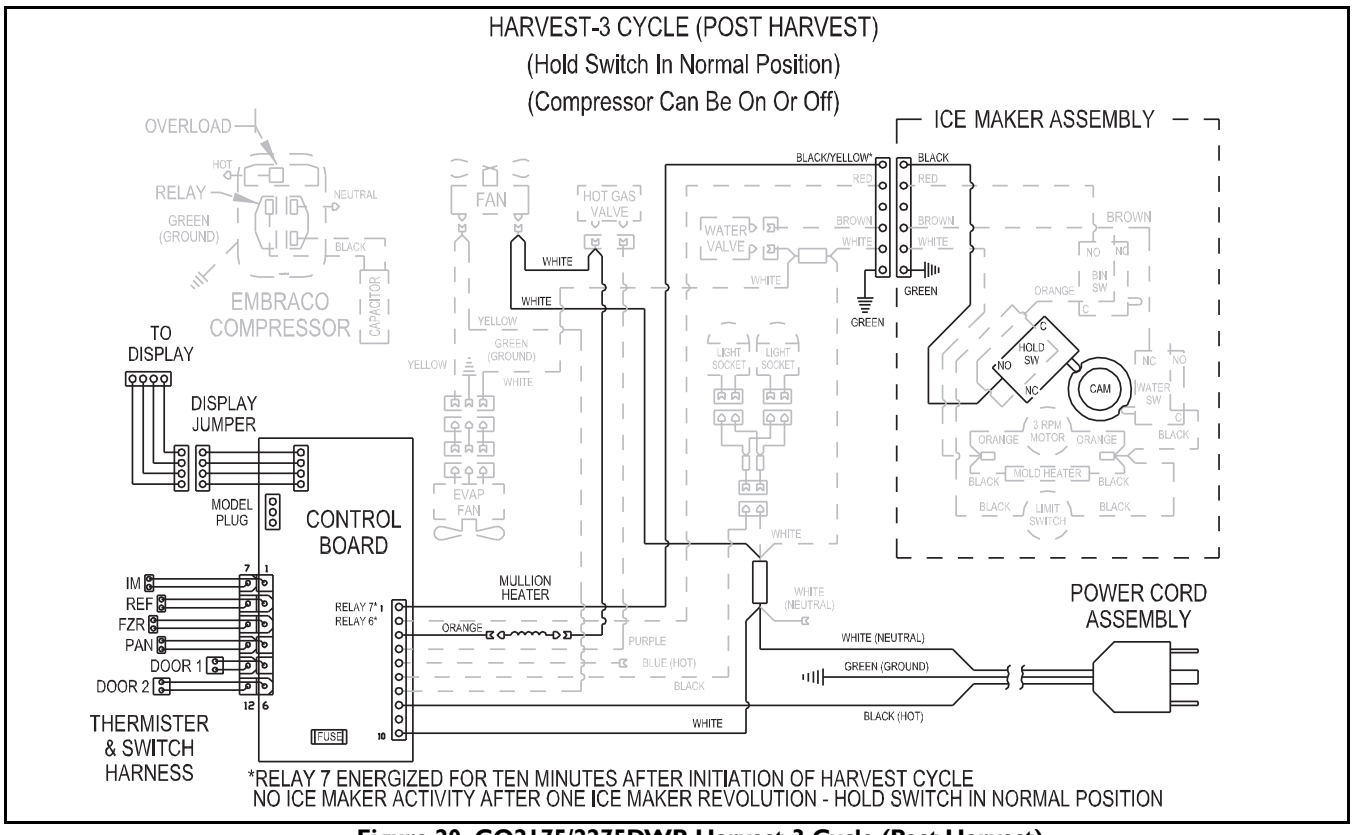


Figure 20. CO2175/2275DWR Harvest-3 Cycle (Post Harvest)

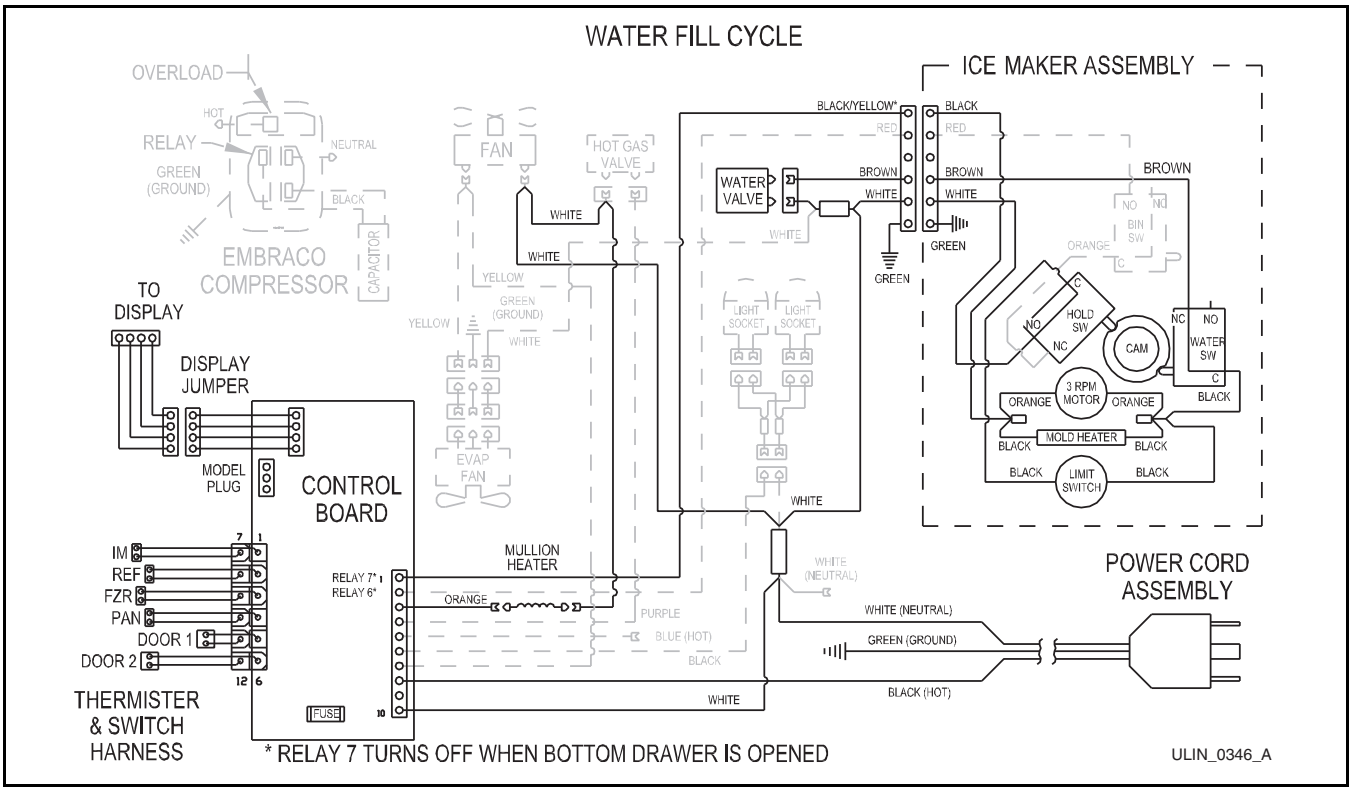


Figure 21. CO2175/2275DWR Water Fill Cycle

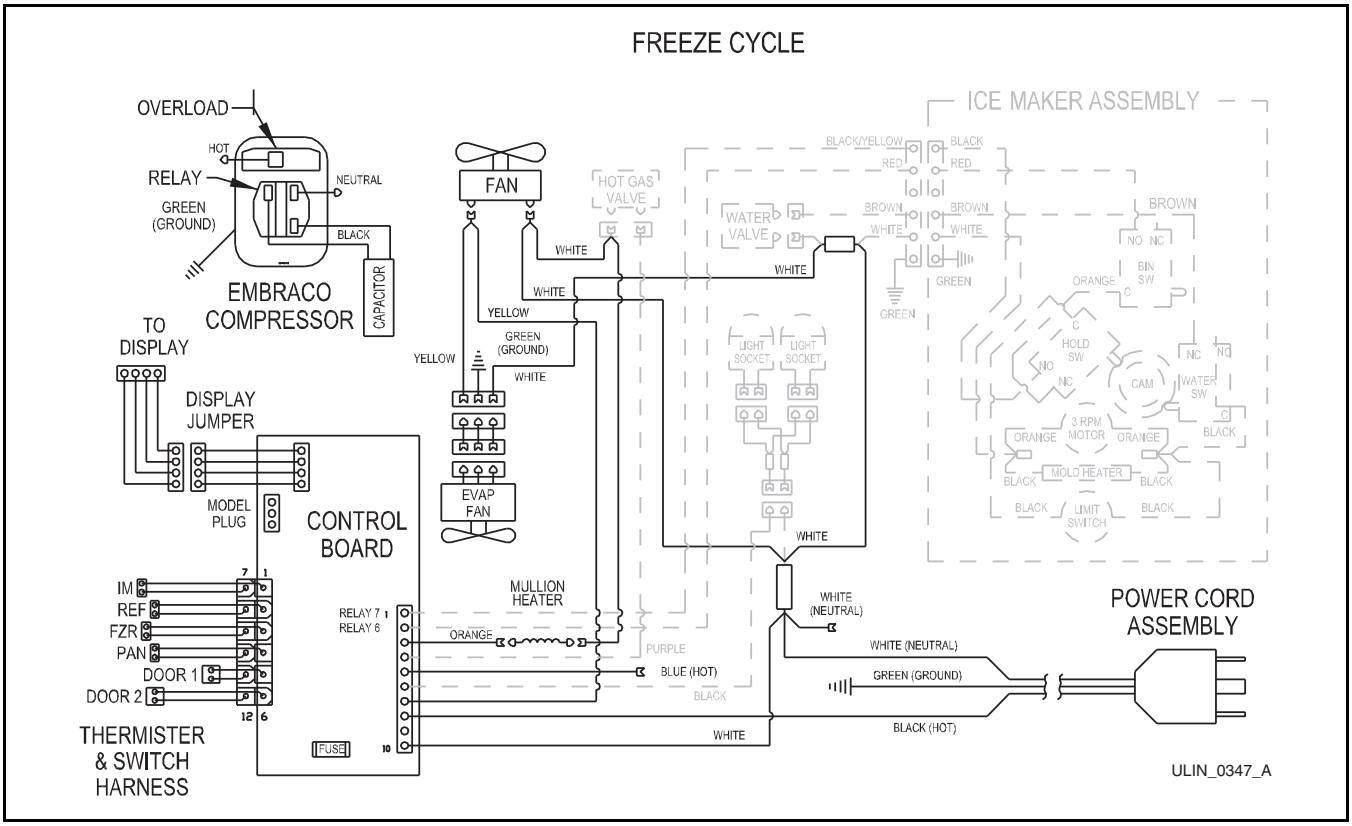


Figure 22. CO2175/2275DWR Freeze Fill Cycle

THERMISTOR OUTAGE

If the refrigerator thermistor (T1) fails, the unit will continue to operate based on the freezer temperature. Cycle lengths and temperatures may not be exact; however, this will prevent the loss of perishables. The display will show "ER." The exact error can be accessed via the service mode.

If the ice maker thermistor (T2) fails, the unit will operate except it will not produce ice. The display will show "ER." The exact error can be accessed via the service mode.

If the freezer thermistor (T3) fails, the unit will continue to operate based on the refrigerator (T1) temperature. Cycle lengths and temperatures may not be exact; however, this will prevent the loss of perishables. The display will show "ER." The exact error can be accessed via the service mode.

If the pan thermistor (T4) fails, the unit will operate normally; however, the defrost will take place on time only rather than time/temperature. The display will show "ER." The exact error can be accessed via the service mode.

SERVICE

To check to see which relays are currently operating, hold the COLDER key and press the ON/OFF key three times. When entering the sequence, keep the COLDER key pressed until you completely release the ON/OFF key for the third time. The display will cycle through a series of numbers to tell which relays are energized. For example, if the unit was in ice-making mode the display would show 11 20 31 40 51 60 70. The first number is the relay number. In the second number, 1 means ON and 2 means OFF. The relay information can be found in the Control Section.

Each relay can also be turned on and off individually to determine whether or not the board and component are operating. If a board is suspected of not operating correctly, you can run through this sequence to ensure each component is turning on and off through the board correctly. Go into service mode and choose option #22. This will cycle every relay on and off showing 10 11 20 21 …. If a component fails to turn on when the relay does, you can verify if there is voltage present by using a voltmeter to check the board output.

To view the actual refrigerator (T1) temperature, hold the WARMER key until the actual temperature is displayed. To view the actual thermistor readings for 2-4, hold the WARMER and COLDER keys for about five seconds. The display will cycle through the three thermistors and their temperatures. If a thermistor is unused in a unit it will show a "0" reading.

In the general section the methods to enter some other service modes are available. For these models some useful modes are the ICE MAKER OFF MODE, FORCED ICE MAKER HARVEST, and FORCED REFRIGERATOR DEFROST. These can be useful in servicing the unit.

TROUBLESHOOTING:

Error Codes

E1, E2, E7, E8, E9	Bad thermistor errors. Replace thermistor. Check for thermistor errors by accessing "View thermistor # status (2, 19, 20, or 21)." If the error code is repeated, the thermistor is open or shorted. If a temperature is displayed, the thermistor is not defective.
E3	This will be accompanied by a beep every minute. This signals that the door (or bottom drawer) has been left open for longer than 20 minutes. Close the door to reset. If the light and display do not go off when the door is closed check to make sure the magnet is positioned properly.
E5	This signals that the unit has been above set-point for more than twelve hours by at least 10 degrees. After repair is completed, leave for 24 hours to see if the problem is corrected. If it is not corrected, it is most likely a refrigeration system issue.
E6	This signals that the refrigerator section has been at least 10 degrees below set-point for at least twelve hours. This would most likely be caused by a bad relay and the circuit board.
E10	This will be accompanied by a beep every minute. This signals that the top drawer has been left open for longer than 20 minutes. Close the door to reset. If the light and display do not go off when the door is closed check to make sure the magnet is positioned properly.

After checking the errors be sure to clear the error log by performing service option 12.

Not making ice

The ice maker needs to be down to 15°F before initiating a harvest. If above 15°F, the unit is not cooling properly or has not been plugged in for a sufficient period of time.

The CO2175DWR model will only harvest ice with the lower drawer closed.

To check the operation of the circuit board and the ice maker, force an ice harvest through the keypad input. During this time you can check to see if the blades rotate, if they stop anywhere, if the water valve opens, etc.

Too much ice

Ensure the bin arm is correctly moving during an ice production cycle and that it can touch the top of the ice. If not, the arm may have been bent.

Excessive frost on evaporator

Force a defrost cycle via the keypad input. If the evaporator clears it was due to some type of abnormal operation. If the unit will continue to be used in this manner the defrost length can be lengthened in the service menu to prevent future issues. Extending this length may be detrimental to the freezer section by causing food to melt or ice to fuse more easily.

During the forced defrost, if no heating occurs, check the hot gas coil and heater for voltage and resistance.

Noise

These are frost-free units with two fans, compressor, and two solenoid valves. Some noise is normal such as a hum from the fans/compressor. Also, during an ice harvest it is normal to hear water filling the mold and cubes dropping into the bucket.

Poor ice quality

This can be caused by poor incoming water quality.

Display is showing something other than "SP (38)" or "ER."

Push one of the keys to see if the display is reset.

Turn unit on and off via the display pad.

Unplug unit, wait one minute, and plug back in. If any of these steps returns the unit to operation, the unit was probably accidentally entered into a service mode.

Display is showing a random snaking of characters or a degree symbol is flashing.

The unit is in a special showroom mode. Hold the COLDER key and press the LIGHT key three times to exit.

Display not illuminating but unit operating

First try to plug and unplug the unit. If the display still does not illuminate there is a four-wire pin connector running from the main board in the base to the display board. One of the wires is disconnected or damaged.

Unit is not operating—no cooling—no fans.

Unplug unit and plug back in. If main board beeps when plugging in the unit, then this is most likely a system problem, not a board issue.

If board does not beep when plugging in the unit, check the power supply to ensure the outlet is working. Also, check the fuse on the circuit board.

1175R/1115R
1175WC/1115WC
1175BEV/ADA24R

GENERAL

Refrigerant is pumped from the compressor to the condenser as a high pressure, high temperature vapor.

As the refrigerant cools in the high pressure condenser, the vapor condenses to liquid. During this phase change, a great amount of heat is rejected with the help of the condenser fan.

The liquid then flows to the dryer where it is strained and filtered.

From the dryer, the refrigerant flows through the capillary tube which meters the liquid refrigerant to the evaporator. The pressure of the refrigerant is reduced to the evaporating or low side pressure.

The reduction of pressure on the liquid refrigerant causes it to boil or vaporize until it reaches saturation temperature. As the low temperature refrigerant passes through the evaporator coil, it continues to absorb a lot of heat, causing the boiling action to continue until the refrigerant is completely vaporized. It is during this phase that the most heat is absorbed (the cooling takes place) in the refrigerator.

The refrigerant vapor leaving the evaporator travels through the suction line to the compressor inlet. The compressor takes the low pressure vapor and compresses it, increasing both pressure and temperature. The hot high pressure gas is pumped out the discharge line and into the condenser. The cycle continues

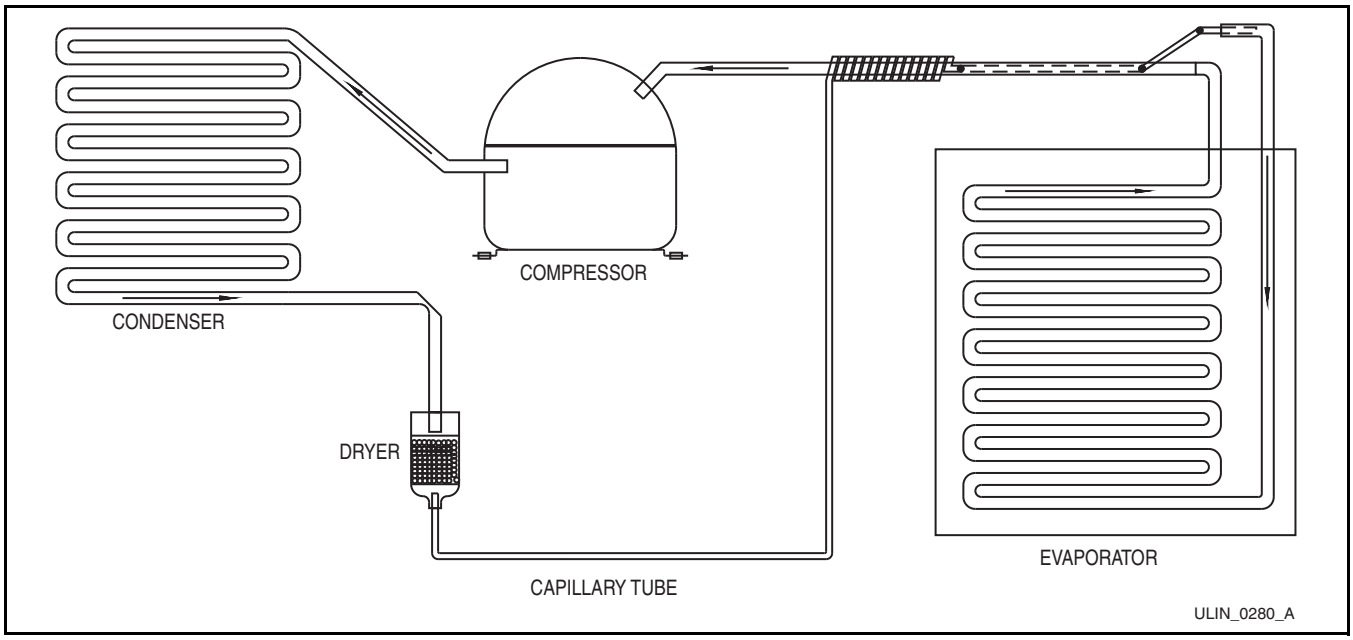


Figure 23. 1175R/1115R/1175WC//1115WC1175BEV/ADA24R Normal Vapor/Compression Cycle

These are some additional general notes and exceptions:

- The unit is equipped with a four-minute compressor off cycle.

THERMISTOR OUTAGE

If the refrigerator thermistor (T1) fails, the unit will continue to operate based on a preset time interval of 10 minutes on and 30 minutes off. The display will show "E1."

TROUBLESHOOTING

Error Code

E1, E2 — Bad thermistor errors. Replace thermistor. Check for thermistor errors by accessing "View thermistor # status (2)." If the error code is repeated, the thermistor is open or shorted. If a temperature is displayed, the thermistor is not defective.

E3 — This signals that the door (or bottom drawer) has been left open for longer than 20 minutes. Close the door to reset. If the light and display do not go off when the door is closed, check to make sure the magnet is positioned properly.

E5 — This signals that the unit has been above set-point for more than twelve hours by at least 10 degrees. If the unit was just plugged in, leave for 24 hours to see if the problem is corrected. If it is not corrected, it is most likely a refrigeration system issue.

E6 — This signals that the refrigerator section has been at least 10 degrees below set-point for at least twelve hours. This would most likely be caused by a bad relay and the circuit board.

After checking the errors be sure to clear the error log by performing service option 12.

Excessive Frost on evaporator

Shut down unit and thaw if frost is very thick. The unit may be used in an abnormal manner. If the unit will continue to be used in this manner the defrost length can be lengthened in the service menu to prevent future issues. Extending this length may be detrimental to the refrigerator temperature. During very long defrosts the temperature may rise higher than desired.

⚠ CAUTION

If frost is heavy, divert water from drain pan to prevent water on floor.

Noise

Some noise is normal, such as a hum from the fans/compressor.

Display is showing something other than "SP (38)" or "ER."

Push one of the keys to see if the display is reset.

Turn unit on and off via the display pad.

Unplug unit, wait one minute, and plug back in. If any of these steps returns the unit to operation the unit was probably accidentally entered into a service mode.

Display is showing a random snaking of characters or a degree symbol is flashing.

The unit is in a special showroom mode. Hold the COLDER key and press the LIGHT key three times to exit.

Refrigerator too warm

Check the actual refrigerator temperature. If set to 38°F, the actual temperature should be between 36°F and 40°F during normal operation. Recent door openings, product loading, or defrost cycles will push the temperature higher for short time periods.

OPERATING ENVIRONMENTAL/ CLIMATE CONTROL REQUIREMENTS

For All - Except WC, ADA, DWRWS, BEV Center, CODWR & Dual Zone(Z)

Many U-Line models are designed to operate in harsh outdoor/ marine environments. Special considerations include the following:

- The units are designed to operate between 50°F (10°C) and 110°F (40°C). High ambient temperatures (110°F or higher) may reduce the unit's ability to reach low temperatures and may also reduce the ice production rate for those models with icemakers.
- If the ambient temperature is expected to drop below 45F, drain all water from the unit to prevent freezing damage not covered by the warranty.
- For best performance, keep the unit out of direct sunlight and away from heat generating equipment.
- For best performance and life outdoors, place under a counter or provide shelter of some kind.
- In climates where high humidity and dew points are present, condensation may appear on outside surfaces. This is considered normal. The condensation will disappear when the humidity drops.

For WC, ADA, DWRWS, CODWR, BEV, CLRCO & Dual Zone (Z)

Many U-Line models are designed to operate in harsh outdoor/ marine environments. Special considerations include the following:

- The units are designed to operate between 50°F (10°C) and 110°F (40°C). High ambient temperatures (110°F or higher) may reduce the unit's ability to reach low temperatures.
- For best performance, keep the unit out of direct sunlight and away from heat generating equipment.
- In climates where high humidity and dew points are present, condensation may appear on outside surfaces. This is considered normal. The condensation will disappear when the humidity drops.
- U-Line does not recommend installation of glass front models (Wine Captain® wine storage models and Beverage Centers) as well as the CLRCO, Combo Drawer model (Refrigerator/Freezer/ Ice Maker) outdoors, or in tropical climates where high humidity and dew point are present on a regular basis, unless air-conditioning (typical 72°F, 75%RH) will be used.

ÉCHELON ELECTRONIC CONTROL

Échelon Keypad Options

⚠DANGER

Electrocution can cause death or serious injury. Take precautions when touching a bare circuit board. Wear an anti-static wriststrap and ground it to an electrical ground or grounded water pipe. Handle circuit boards carefully and avoid touching components.

NOTE: When touching key combinations in which you hold one key and press another key three times, it is important to carefully follow the procedure.

1. Hold the desired key ensuring the light above the key is lit.
2. Press the other key three times, ensuring it lights up each time.
3. Release the held key only after releasing the pressed key for the third time.

Except as noted, these functions are available on all models.

ON/OFF

The ON/OFF mode allows the unit to be turned on and off via the keypad. To do this, hold the key for approximately 10 seconds until the "F" begins to flash. Release and the unit will switch modes. In the OFF position the cabinet light will remain operational. This mode does not disconnect power from the circuit board so it is still "live." Turning the unit off while in Clean, Ice Maker Off, Forced Harvest, or Forced Defrost will cancel those modes. If this mode is entered while a unit is in an ice-making harvest mode it will continue its cycle and flash OFF until completed.

CABINET LIGHT

On units with glass doors, touching the light key will turn on the cabinet light for four hours at a time. Touching the key again will turn the light off. Using the cabinet light for more than four hours may be detrimental to the cabinet temperature and product. **Only available on models 2115WC, 2175WC, 2275DWRWS and 2275ZWS/2275ZWCOL.**

ADJUSTING THE SET-POINT

- ALL MODELS EXCEPT 2275DWRWS/2275ZWC/ 2275ZWCOL

To adjust the set-point press and release either the WARMER or COLDER key. This will start the set-point flashing. While in this mode you can adjust the set-point warmer or colder until the desired temperature is reached. The factory recommended set-point is 38°F for refrigerators/refrigerator-freezers and 50°F for wine coolers. When adjustment is complete, stop touching the display and the set-point will be saved in approximately five seconds. **Not available on CLR2160.**

ADJUSTING THE SET-POINT - 2275DWRWS ONLY

1. Press and release the WARMER icon. The top of the F in °F of the top drawer will begin to flash. This will allow you to adjust the temperature of the top drawer. In 10 seconds of inactivity, the bottom bar of the F in °F will begin to flash (see below); this will allow you to adjust the temperature of the bottom drawer. Adjustments to the lower drawer can be made immediately if the LIGHT icon is pressed.

2. While the top or bottom bar of the F in °F is flashing, press the WARMER or COOLER icon as required to adjust the set-point temperature. The change will be set five seconds after adjusting the temperature and the new set-point temperature will be displayed. Allow the unit to sit for 10 seconds to return to normal mode.

ADJUSTING THE SET-POINT - 2275ZWC/2275ZWCOL ONLY

IMPORTANT

Adjust the set-point temperature and wait 24 hours for the temperature to stabilize before rechecking.

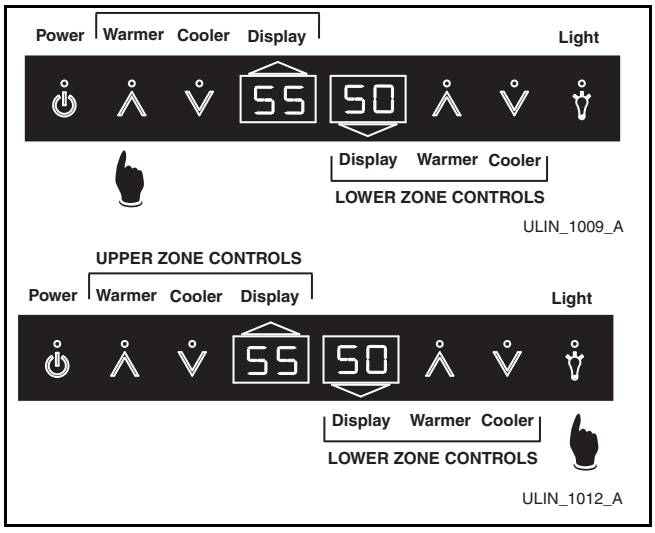


Figure 24. Adjusting Set-Point Temperature-2275ZWC/ 2275ZWCOL

This default temperature is used by the controller to maintain the temperature zones in your unit.

The default temperatures are a recommendation. If further temperature adjustments are required, use the following procedure to adjust the set-points.

1. Press and release the desired zone WARMER icon to put the controller in the SET TEMPERATURE mode. The current range symbol will show on the display **(top, Figure 24)**.

   Note: If no further action is taken, this mode will self cancel in five seconds, and the original set-point temperature will be displayed.

2. Press the WARMER or COOLER icon to scroll to the desired range (RW, WW, SW, BV).

3. When the desired range is displayed, press the LIGHT icon to display the current set-point temperature **(bottom, Figure 24)**.

Note: Set-point temperature can only be changed when the decimal is flashing.

4. When the decimal is flashing, press the WARMER or COOLER icon as required to adjust the set-point temperature.

5. When the desired set-point is displayed, press the LIGHT icon. The new set-point will show in the display.

6. Repeat for other zone display if required.

IMPORTANT

Whenever a zone range is changed (example: RW to WW), it will revert to the factory default.

VIEWING ACTUAL TEMPERATURE

- ALL MODELS EXCEPT 2275DWRWS/2275ZWC/ 2275ZWCOL

There are two modes to view temperature. In viewing temperature in these modes, any offsets are taken into account. This means that if you place a thermistor in a known temperature, let's say ice water, it may not read the 32°F that you would assume. If the control offset was preset at -3°F while you placed the thermistor in an icebath, the actual thermistor reading when viewing actual temperature would read 35°F. In the unit this would cause the cabinet to push itself 3° cooler. To view pure thermistor readings, you must go into the service menu and choose the correct option.

To view T1 (normally refrigerator temperature) hold the WARMER key for approximately five seconds until the "F" flashes. Release and the display will show the corrected refrigerator temperature. For Wine Cooler models the display will cycle through all three zones. These temperatures are approximate and calibrated for a cabinet in normal ambient temperatures with some product load. Checking a completely unloaded cabinet may result in other temperatures. **Not available on CLR2160.**

To view T2-T4, hold both the WARMER and COLDER keys for approximately five seconds until the first thermistor reading appears. At this time the display will cycle through thermistors 2-4 and their accompanying readings. If a thermistor is not used on that particular model, it will show "0" and if the thermistor is not working, it will show an ER.

VIEWING ACTUAL TEMPERATURE - 2275DWRWS ONLY

To view the temperature in the top and bottom drawer (T1 and T2), hold the WARMER key for five seconds until "°F" flashes. Release and the display will show the corrected temperatures of both zones on their respective displays. To view the temperature of T3 and T4, you must use the service mode.

VIEWING ACTUAL TEMPERATURE - 2275ZWC/2275ZWCOL ONLY

To display actual zone temperatures (not set-point):

1. Press and hold the WARMER icon for the desired zone for approximately five seconds until unit beeps, and release when the decimal in the display begins to flash **(Figure 25)**.
2. The display will show the actual zone temperature.
3. After five seconds, the display will return to the set-point temperature.

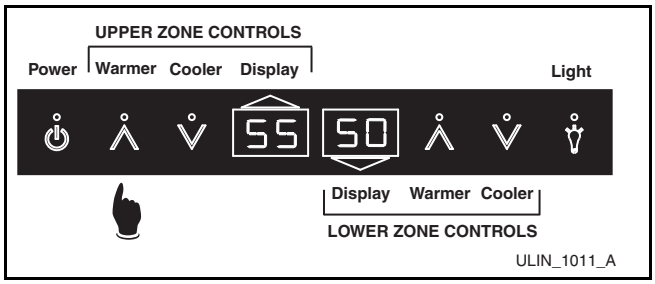


Figure 25. Displaying Zone Temperature

CHANGING FROM FAHRENHEIT TO CELSIUS

To change the displayed temperature from °F to °C, hold the LIGHT key and press the down arrow three times. This will change all values to °C. When the key combination is accepted the control will beep once and change values.

SHOWROOM MODE

This mode is designed to show units in a display environment. When in this mode the only functions will be the control and cabinet lights. The compressor, fans, etc. will not operate. To enter this mode hold the down arrow and press the LIGHT button three times. When entered, the unit will beep once and the degree symbol will begin to flash. When the degree symbol is flashing the unit will allow the use of the control for demonstrations.

On early models, after not touching the unit for one minute the display will begin to "snake" around. This is meant to alert you the unit is in showroom mode.

On later models, the degree (°) flashes.

The unit can be left in this mode indefinitely. If you again want to demo the control, touch any key and the degree symbol will begin to flash. To exit this mode: If using software version 2.8, this mode will exit automatically when the unit is unplugged. If using software version 2.9, this mode needs to be exited by the same key combination as used to enter the mode.

SERVICE MODE

This mode has 27 different options available for service diagnostics. To enter the mode hold the WARMER key and press the LIGHT button three times. The display will show "0" and the board will beep once. When in this mode the WARMER and COLDER keys will act as up and down arrows to select the desired option. The LIGHT key is the ENTER key and will enter a function. If changing a function, you must press the LIGHT button again to retain the changed setting. To exit the service mode, scroll to option 99 and press the LIGHT key. After five minutes of not touching any keys the mode will also exit automatically.

DISPLAY TOGGLE

On glass door units the display normally stays on all the time. To have the display turn off with the door press the up arrow and touch the ON/OFF key three times. The °F sign will flash and the board will beep once to let you know the mode has been accepted. This mode can be toggled on or off by the same key combination. To see if the display should be staying on 100% or turning off with the door, you can check service option 8. **Only available on 2115WC, 2175W, 2275DWRWS, 2175BEV, 2275ZWC & 2275ZWCOL.**

BLACKOUT MODE

Hold the LIGHT key for 10 seconds until the °F starts flashing. When released, the unit will beep once and the display and cabinet light will shut off. To cancel this mode, hold the LIGHT key again for about 10-12 seconds.

CLEAN CYCLE

To enter the self-cleaning cycle hold the ON/OFF key and press the light three times. The unit will beep once and the display will show CL. Follow the cleaning instructions. At the conclusion of this mode (1 hour) the display will revert to set-point and the unit will resume normal operation. To cancel this mode turn the unit off via the keypad. **Only available on CLR2160 and CLRCO2175.**

ICE MAKER OFF MODE

This mode will stop ice production. To enter hold the ON/OFF key and press the up arrow three times. The unit will beep once when the mode is entered. After 5-10 seconds the display will start to scroll from "SP" to "Ice" to "Off" as long as the mode is active. To exit either turn the unit off via keypad or do the same key combination. **Only available on CO2175F, CLRCO2175 and CO2175DWR.**

FORCED HARVEST

This mode can be used to force ice to harvest from the mold. To enter this mode hold LIGHT key and press the up arrow three times. The unit will initiate an ice harvest. There is no audible tone when entering this mode. **Only available on CO2175F and CO2175DWR.**

FORCED DEFROST
This will allow the unit to defrost quickly. For R and WC units, this is just an off cycle. For units with hot gas defrost the unit will enter a hot gas defrost per the specification. Hold the LIGHT key and press ON/OFF three times. The unit will beep once when entering this mode. To exit this mode either do the same key combination or turn the unit off via the display. **Not available on CLR2160.**

ICE THICKNESS ADJUST
This will allow addition or subtraction of up to five minutes from the ice-making cycle. To enter this mode hold the up arrow and press the down arrow three times. The unit will beep once and display the current ice thickness. To adjust up or down use the arrows. Press LIGHT key when completed. Please refer to the ice thickness section of the manual to view proper cube sizes and recommendations. **Only available on CLR2160 and CLRCO2175.**

TEMPORARY SHUTDOWN/OFFICE MODE
In some cases it may be requested for the unit to be shut down for short periods during meetings for example. To do this hold the down arrow and press the up arrow three times. The unit will beep once and show OFF on the display. This mode can be canceled by removing power from the unit or turning it on via the display. The mode will automatically be changed back to ON after three hours. **Only available on CLR2160 and CLRCO2175.**

RELAY STATUS
To see which relays are operating, hold the down arrow and hit ON/OFF three times. The unit will scroll through all relays and whether they are on or off. See specific unit section for explanation.

MODEL NUMBER CHANGE
Only the main circuit board requires model number selection. The display board is universal and will automatically adapt to the unit it is plugged into. The model number can be changed with the board installed or uninstalled from the unit. To program uninstalled you will need a display board and a power supply. For the power supply hook a neutral wire up to pin 10 and a 120V wire to pin 8 of the circuit board.

1. Plug in unit.
2. The display may show a SP or --, either is OK.
3. Install a jumper on J3. The jumper can be obtained from U-Line P/N 68080.
4. Hold down WARMER, COLDER and LIGHT buttons until display shows model number and main board beeps.
5. Use WARMER/COLDER to select new model number.

61-2175R 120V
62-2175WC 120V
63-2175BEV 120V
64-CO2175F 120V
65-2175RF 120V
66-CO2175DWR 120V
67-CLR2160 120V
68-CLRCO2175 120V
70-2175DWR 120V
71-2115R 120V
72-2115WC 120V
73-2115R 220V
74-2115WC 220V
75-2175R 220V
76-2175WC 220V
77-2175BEV 220V
78-CO2175 220V
79-2175RF 220V
80-CO2175DWR 220V
81-CLR2160 220V
82-CLRCO2175 220V
85-2275DWRWS 120V
86-2275DWRWS 220V
87-2275ZWC 120V
88-2275ZWC 220V

6. Press and release LIGHT key.
7. Wait for display to stop flashing.
8. Remove jumper from board.
9. Unplug unit and wait five seconds.
10. Plug unit back in.

Échelon Service Menu

Enter service menu by holding up arrow and pressing LIGHT three times. Select option 1 to 27 with the up and down arrows. To enter the option, press the LIGHT key. If changing a setting, you must press the LIGHT key again to retain the changed setting.

When entering service mode all other modes are cancelled and the unit will stop operating. When exiting service mode the unit will begin to operate normally, however the four-minute compressor off cycle still applies.

1. **Light all LED segments.**
   This will illuminate all the LEDs on the board to ensure they work properly.
2. **Thermistor 1 status—Temperature, E1, or E2.**
   This will show the pure thermistor reading with no offsets taken into account. When placed in ice water this thermistor should read 32°F in this menu option. **Not available on CLR2160.**
3. **Error log**
   A list of the errors in the order they occurred will scroll once on the display. Repeat if desired. Once viewed perform option 12 to clear the errors from memory.
4. **Defrost information**
   Displays the number of defrosts that have occurred in the past 24 hours.
5. **Compressor runtime based on last cycle**

   This will show the number of minutes the compressor has run in the prior cycle (or current cycle if the compressor was running when service mode was entered).
6. **Defrost length adjustment—up to 99 minutes**
   The length of the defrost can be adjusted up to 99 minutes long. The other defrost parameters still apply. Lengthening a defrost may cause higher than normal temperatures in the refrigerator section. **Not available on CLR2160.**
7. **Light switch 1 status—0 or 1**
   This will tell if the light should turn off with the door switch or not. At the "0" reading the light should be off with the door closed and on with the door open. At the "1" reading the light stays on always.
8. **Display toggle status—0 or 1**
   This will tell if the display should turn off with the door switch or not. At the "0" reading the display should be off with the door closed and on with the door open. At the "1" reading the display stays on always.
9. **Restore factory defaults**
   This will restore the default set-point, defrost and offset values.
10. **Adjust thermistor 1 offset—10 to +10F**

This allows calibration of the sensor to cabinet for abnormal operations. By adjusting this number colder you can change the average cabinet temperature to a colder value. **Not available on CLR2160.**

11. Data download
Along with the separate ESPY software you can download the rolling data file.

12. Clear error log
Perform this operation after checking the errors.

13. Clear download memory
Clears the rolling data file if desired.

14. Model number displayed
Displays the two-digit model number of the specific unit.

15. Adjust thermistor 1 differential
This number should not be adjusted. **Not available on CLR2160.**

16. Adjust thermistor 2 offset
This allows calibration of the sensor to cabinet for abnormal operations. By adjusting this number colder you can change the average cabinet temperature to a colder value. **Not available on 2175RF.**

17. Adjust thermistor 3 offset
This allows calibration of the sensor to cabinet for abnormal operations. By adjusting this number colder you can change the average cabinet temperature to a colder value. **Not available on Rs, WCs or CLR2160.**

18. Adjust thermistor 4 offset

This allows calibration of the sensor to cabinet for abnormal operations. By adjusting this number colder you can change the average cabinet temperature to a colder value. **Not available on Rs or WCs.**

19. Thermistor 2 status
This will show the pure thermistor reading with no offsets taken into account. When placed in ice water this thermistor should read 32°F in this menu option. **Not available on 2175RF.**

20. Thermistor 3 status
This will show the pure thermistor reading with no offsets taken into account. When placed in ice water this thermistor should read 32°F in this menu option. **Not available on Rs, WCs or CLR2160.**

21. Thermistor 4 status
This will show the pure thermistor reading with no offsets taken into account. When placed in ice water this thermistor should read 32°F in this menu option. **Not available on Rs, WCs or CLR2160.**

22. Automatic toggle through relays switch on and off
See specific unit section for description.

23. Defrost interval adjust. 3 to 24 hours

This will adjust the interval between defrosts from 3 to 24 hours. Adjusting from the factory settings may cause undesired temperature in the refrigerator section.

24. Adjust thermistor 2 set-point. Only available on CO2175F, CO2175DWR, CLR2160 and CLRCO2175.

25. Adjust thermistor 3 set-point. Only available on 2275DWRWS.

26. Adjust thermistor 4 set-point. Only available on 2275DWRWS.

27. Show software revision
This will toggle between main and display board software revision. The main board number will be accompanied by the degree symbol.

Error Codes

E1 Thermistor 1 is open. **Not available on CLR2160.**

E2 Thermistor 1 is shorted. **Not available on CLR2160.**

E3 Main door or bottom drawer is open longer than 20 minutes. **Not available on CLR2160.**

E4 Compressor had 100% runtime between two defrost cycles. **Does not show on display—only in error log.**

E5 Thermistor 1 out of range + 10°F for more than 12 hours. **Not available on CLR2160.**

E6 Thermistor 1 out of range -10°F for more than 12 hours. **Not available on CLR2160.**

E7 Thermistor 2 open or shorted. **Not available on 2175RF.**

E8 Thermistor 3 open or shorted. **Not available on Rs, WCs or CLR2160.**

E9 Thermistor 4 open or shorted. **Not available on Rs, WCs or CLR2160.**

E10 Top drawer is open longer than 20 minutes. **Only available on drawer models.**

P1 Pump circuit open. **Only available on CLR2160 or CLRCO2175 models with P60 pump.**

E11 EE Memory error.

All errors or combinations show up as ER alternating with SP. P1 will alternate with SP or ICE for models 67/68. E3 and E10 both have audible alarms. P1 does not have an audible alarm.

Model	Part Number	PIN 7 C_FAN	PIN 6 LIGHTS	PIN 5	PIN 4 H_H2O	PIN 3 C_PUMP	PIN 2 R_VALVE	PIN 1 BP_VALVE
		Relay 1	Relay 2	Relay 3	Relay 4	Relay 5	Relay 6	Relay 7
2175R	61/75		Light	Compressor/ Fan				
2115R	71/73		Light	Compressor/ Fan				
2115WC	72/74		Light	Compressor/ Fan				
2175WC	62/76		Light	Compressor/ Fan				
2175DWRR 2275DWRR	70		Light 1	Compressor/ Fan		Pan Heat	Mull Heat	
CO2175F	64/78	Cond Fan E FAN	Light	Compressor	Hot Gas Valve	DRAIN HEAT	IM 1	IM 2
2175RF	65/79	Cond Fan E FAN	Light	Compressor	Hot Gas Valve	DRAIN HEAT		
CO2175DWR CO2275DWR	66/80	Cond Fan E FAN	Light	Compressor	Hot Gas Valve	MULL HEAT	IM 1	IM 2
CLR2160	67/81	Cond Fan		Compressor	Hot Gas Valve/ Water Valve	Circulation Pump		
CLRCO2175	68/82	Cond Fan	Light	Compressor	Hot Gas Valve/Water Valve	Circulation Pump	Ref Valve	Ref Bypass Valve
2175BEV	63177		Light	Compressor/ Fan				
2275DWRWS	85186	Cond Fan	Bottom Light	Compressor	Top Light		Bottom Valve	Top Valve
2275ZWC	87/88	Cond Fan	Bottom Light	Compressor	Top Light		Bottom Valve	Top Valve

Model	Thermistor 1	Thermistor 2	Thermistor 3	Thermistor 4	Door Switch 1	Door Switch 2
2175R	REF	EVAP	N/A	N/A	Yes	N/A
2115R	REF	EVAP	N/A	N/A	Yes	N/A
2175WC	REF	EVAP	N/A	N/A	Yes	N/A
2115WC	REF	EVAP	N/A	N/A	Yes	N/A
2175DWRR	REF	EVAP	Ambient	N/A	Bottom Drawer	Top Drawer
CO2175F	REF	IM	FZR	Drain Pan	Yes	N/A
2175RF	REF	N/A	FZR	Drain Pan	Yes	N/A
CO2175DWR	REF	IM	FZR	Drain Pan	Bottom Drawer	Top Drawer
CLR2160	N/A	IB	N/A	CON	N/A	P60
CLRCO2175	REF	IB	EVAP	CON	Yes	P60
2175BEV	REF	EVAP	N/A	N/A	Yes	N/A
2275DWRWS	Top	Bottom	Top Evap	Bottom Evap	Bottom Drawer	Top Drawer
2275ZWC	Top	Bottom	Top Evap	Bottom Evap	Yes	N/A

Échelon Service Quick Reference Card

Echelon Model Selection

How to program a new board

1. Unplug unit and install new board
2. Plug unit in
3. The display may show a SP or --, either is OK
4. Install a jumper on J3
5. Hold down warmer, colder and light button until display shows model number and main board beeps
6. Use warmer/colder to select new model number

Model	120 Volts	220 Volts	Board Part #
2175R	61	75	68072
2175WC	62	76	68072
2175BEV	63	77	68072
CO2175F	64	78	68072
2175RF	65	79	68072
CO2175DWR / CO2275DWR	66	80	68072
CLR2160	67	81	68072
CLRCO2175	68	82	68072
2175DWRR / 2275DWRR	70	84	68072
2115R	71	73	68072
2115WC	72	74	68072
2275DWRWS	85	86	68084
2275ZWC	87	88	68084

7. Press and release light key
8. Wait for display to stop flashing
9. Remove jumper from board
10. Unplug unit and wait 5 seconds
11. Plug unit back in

Wait for the display to show the set point

Error Code	Description (alternates with setpoint display) ER
E1	Thermistor #1 open
E2	Thermistor #1 shorted
E3	Door or bottom drawer open longer than 20 minutes
E5	Thermistor #1 out of range (+10˚) for more than 12 hours
E6	Thermistor #1 out of range (-10˚) for more than 12 hours
E7	Thermistor #2 open or shorted
E8	Thermistor #3 open or shorted
E9	Thermistor #4 open or shorted
E10	Top drawer open longer than 20 minutes
E11	EE Memory Error
P1	Pump circuit open due to high water level in ice bin

Model	Thermistor 1	Thermistor 2	Thermistor 3	Thermistor 4	Door Switch 1	Door Switch 2
2175R	Ref	Evap	N/A	N/A	Yes	N/A
2115R	Ref	Evap	N/A	N/A	Yes	N/A
2115WC	Ref	Evap	N/A	N/A	Yes	N/A
2175WC	Ref	Evap	N/A	N/A	Yes	N/A
2175/2275 DWRR	Ref	Evap	Ambient	N/A	Bottom Drawer	Top Drawer
CO2175F	Ref	IM	Freezer	Drain Pan	Yes	N/A
2175RF	Ref	N/A	Freezer	Drain Pan	Yes	N/A
CO2175 CO2275 DWR	Ref	IM	Freezer	Drain Pan	Bottom Drawer	Top Drawer
CLR2160	N/A	Ice Bin	N/A	Condenser	N/A	P60
CLRCO2175	Ref	Ice Bin	Ref Evap	Condenser	Yes	P60
2175 BEV	Ref	Evap	N/A	N/A	Yes	N/A
2275DWRWS	Top Ref	Bottom Ref	Top Evap	Bottom Evap	Bottom Drawer	Top Drawer
2275ZWC	Top Ref	Bottom Ref	Top Evap	Bottom Evap	Yes	N/A

Model	Part Number	PIN 7 C_FAN	PIN 6 LIGHTS	PIN 5	PIN 4 H_H20	PIN 3 C_PUMP	PIN 2 R_VALVE	PIN 7 BP_VALVE
		Relay 1	Relay 2	Relay 3	Relay 4	Relay 5	Relay 6	Relay 7
2175R	61/75		Light	Compressor/ Fan				
2115R	71/73		Light	Compressor/ Fan				
2115WC	72/74		Light	Compressor/ Fan				
2175DWRR	70		Light 1	Compressor/ Fan		Pan Heat	Mull Heat	
CO2175F	64/78	Cond Fan E FAN	Light	Compressor	Hot Gas Valve	DRAIN HEAT	IM 1	IM2
2175RF	65/79	Cond Fan E FAN	Light	Compressor	Hot Gas Valve	DRAIN HEAT		
CO2175DWR	66/80	Cond Fan E FAN	Light	Compressor	Hot Gas Valve	MULL HEAT	IM 1	IM 2
CLR2160	67/81	Cond Fan		Compressor	Hot Gas Valve/Water Valve	Circulation Pump		
CLRCO2175	68/82	Cond Fan	Light	Compressor	Hot Gas Valve/Water Valve	Circulation Pump	Ref Valve	Ref Bypass Valve
2175BEV	63177		Light	Compressor/ Fan				
2275DWRWS	85186	Cond Fan	Bottom Light	Compressor	Top Light		Bottom Valve	Top Valve
2275ZWC	87/88	Cond Fan	Bottom Light	Compressor	Top Light		Bottom Valve	Top Valve

- **Service Menu Options (hold up arrow & touch light 3 times to access service menu)**
- **Use warmer/colder to scroll through options**
- **Touch light bulb to enter and before exiting an option**

#	Description
1	Light all LED segments
2	Thermistor #1 status (temp, E1 or E2)
3	Error Log
4	Defrost info
5	Compressor runtime (based on last cycle)
6	Defrost length (adjustable - up to 99 minutes)
7	Light switch status (0 or 1)
8	Display toggle status (0 or 1)
9	Restore factory defaults
10	Adjust thermistor #1 offset (-10° to +10°)
11	Data download
12	Clear error log
13	Clear download memory
14	Model number display
15	Adjust thermistor #1 differential
16	Adjust thermistor #2 offset
17	Adjust thermistor #3 offset
18	Adjust thermistor #4 offset
19	View thermistor #2 status (temp or E7)
20	View thermistor #3 status (temp or E8)
21	View thermistor #4 status (temp or E9)
22	Automatic toggle through relays (switch on and off)
23	Defrost interval adjustment (3 to 24 hours)
24	Adjust thermistor #2 setpoint
25	Adjust thermistor #3 setpoint
26	Adjust thermistor #4 setpoint
27	Display software version
99	Exit

Échelon Electronic Control Quick Reference Guide

	Task	Touch	Touch	Display	Comments
1	On/Off	Hold 10 Seconds	Release when unit beeps	OFF or 38°F	The CLR2160 will show ICE
2	Toggle Lights	Glass door/drawer models only		38°F	Light normally goes on/off with door opening. Pressing light button will turn interior light on for 4 hours, then it will turn off.
3	Adjust Refrigerator Set-point	or	or	°F Flashing	Touch once to get into set mode, then touch to adjust
4	2275DWRWC adjust lower drawer set-point	or	or	Bottom line of E flashes	Touch up/down once to get into set mode, touch light, for bottom drawer then touch up/down to adjust
5	Adjust zone set-points 2278ZWC	Touch to show zone	Touch to set temp		Use warmer/colder to adjust temperature while small LED is flashing
6	View actual temperature (T1)	Hold for 5 seconds		38°F Flashing	WC's will scroll top/middle/bottom temperatures
7	View actual temperature (T2 – T4)	and Hold for 5 seconds		Scrolls through T2–T4 Flashing	
8	Toggle F – C	Hold		3°C or 38°F	
9	Toggle Showroom Mode	Hold		Degree symbol flashes	Repeat to exit mode
10	Service Mode	Hold		0	See back of card for details To exit, arrow up to 99 & touch light
11	Display Toggle Glass door/drawer models only	Hold			Turns display on/off with door closed
12	Blackout Mode	Hold for 10 seconds		Display (and cabinet light) not operable in blackout mode	Hold light icon for 10 seconds to exit
13	Clean Cycle	Hold		CL	
14	Icemaker Off Mode	Hold		38°F ICE OFF	Repeat to exit
15	Forced Harvest	Hold		ICE	Audible alert when entering this mode
16	Forced Refrigerator Defrost	Hold			Audible alert when entering this mode
17	Ice Thickness Adjustment	Hold		0	Use warmer/colder to adjust. Touch light icon to exit.
18	Temporary Shutdown (Office Mode)	Hold		OFF	Icemaker will automatically turn back on in three hours
19	Relay Status	Hold		21 30	Relay number with 1 or 0 to indicate on/off. In this example relay 2 is on, relay 3 is off.
20	Change Mode Number (with jumper)	Hold			

2275ZWC use the left to enter or exit modes

ORIGINS ELECTRONIC CONTROL

Origins Keypad Options

⚠ DANGER

Electrocution can cause death or serious injury. Burns from hot or cold surfaces can cause serious injury. Take precautions when servicing this unit.

- ***Disconnect the power source.***
- ***Do not stand in standing water when working around electrical appliances.***
- ***Make sure the surfaces you touch are not hot or frozen.***
- ***Do not touch a bare circuit board unless you are wearing an anti-static wriststrap that is grounded to an electrical ground or grounded water pipe.***
- ***Handle circuit boards carefully and avoid touching components.***

NOTE: When touching key combinations in which you hold one key and press another three times it is important to carefully follow the procedure.

1. Hold the desired key.
2. Press the other key three times.
3. Release the held key only after releasing the touched key for the third time.

Except as noted, these functions are available on all models.

ON/OFF
The ON/OFF mode allows the unit to be turned on and off via the keypad. To do this, hold the key for approximately 10 seconds until the "F" begins to flash. Release and the unit will switch modes. In the OFF position the cabinet light will remain operational. This mode does not disconnect power from the circuit board so it is still "live."

CABINET LIGHT
On units with glass doors, touching the LIGHT key will turn on the cabinet light for four hours at a time. Touching the key again will turn the light off. Using the cabinet light for more than four hours may be detrimental to the cabinet temperature and product. **Only available on 1175BEV, 1115WC and 1175WC models.**

IMPORTANT

This does not apply to ADA24R glass door units. The light and display are always off when the glass door is closed.

Adjusting the Set-point

To adjust the set-point press and release either the WARMER or COLDER key. This will start the set-point flashing. While in this mode you can adjust the set-point warmer or colder until the desired temperature is reached. The factory recommended set-point is 38°F for refrigerators/refrigerator-freezers and 50°F for wine coolers. When adjustment is complete stop touching the display and the set-point will be saved in approximately five seconds.

VIEWING ACTUAL TEMPERATURE
In viewing temperature in these modes any offsets are taken into account. This means that if you place a thermistor in a known temperature, let's say ice water, it may not read the 32°F that you would assume. If the control offset was preset at -3°F while you placed the thermistor in an icebath, the actual thermistor reading when viewing actual temperature would read 35°F. In the unit this would cause the cabinet to push itself 3° cooler. To view pure thermistor readings you must go into the service menu and choose the correct option.

To view the thermistor temperature, hold the WARMER key for approximately five seconds until the "F" flashes. Release and the display will show the corrected refrigerator temperature. For Wine Cooler models the display will cycle through all three zones. These temperatures are approximate and calibrated for a cabinet in normal ambient temperatures with some product load. Checking a completely unloaded cabinet may result in other temperatures.

CHANGING FROM FAHRENHEIT TO CELSIUS
To change the displayed temperature from °F to °C, hold the LIGHT key and press COLDER three times. This will change all values to °C. When the key combination is accepted the control will change values.

SHOWROOM MODE
This mode is designed to show units in a display environment. When in this mode the only functions will be the control and cabinet lights. The compressor, fans, etc. will not operate. To enter this mode hold the COLDER key and press the LIGHT button three times. Once entered, the degree symbol will begin to flash. When the degree symbol is flashing the unit will allow the use of the control for demonstrations. After not touching the unit for one minute the display will begin to "snake" around. This is meant to alert you the unit is in showroom mode. The unit can be left in this mode indefinitely. If you again want to demo the control, touch any key and the degree symbol will begin to flash. To exit this mode: This mode needs to be exited by the same key combination as used to enter the mode.

SERVICE MODE
This mode has 16 different options available for service diagnostics. To enter the mode hold the WARMER key and press the LIGHT button three times. The display will show "0." When in this mode the WARMER and COLDER keys will act as up and down arrows to select the desired option. The LIGHT key is the ENTER key and will enter a function. If changing a setting, you must press the LIGHT key again to retain the changed setting. To exit the service mode scroll to option 99 and press the LIGHT key. After five minutes of not touching any keys the mode will also exit automatically.

DISPLAY TOGGLE
On glass door units the display normally stays on all the time. To have the display go off with the door, press the up arrow and touch the ON/OFF key three times. The °F sign will flash to let you know the mode has been accepted. This mode can be toggled on or off by the same key combination. To see if the display should be staying on 100% or turning off with the door, you can check service option 8. **Only available on 1115WC and 1175WC.**

BLACKOUT MODE
Hold the LIGHT key for 10 seconds until the °F starts flashing. When released, the unit will beep once and the display and cabinet light will shut off. It will stay off for 36 hours, at which time it will automatically

turn back on. If desired, you can manually cancel this mode by touching the LIGHT button. Release and the unit will automatically start normal operation.

MODEL NUMBER CHANGE

Origins Model Selection:

1. Make sure board is not plugged in.
2. Hold down ON/OFF key and plug in unit.
3. Release ON/OFF key.
4. Press and release LIGHT icon.
5. Use WARMER/COLDER to select the model number desired.
   - 49-1175R/ADA24R 120V
   - 50-1175WC 120V
   - 51-1175BEV 120V
   - 52-1175R 220V
   - 53-1175WC 220V
   - 54-1175BEV 220V
   - 56-1115R 120V
   - 57-1115R 220V
   - 77-1115WC 120V
   - 78-1115WC 220V
6. Press and release LIGHT icon.
7. Wait for display to stop.
8. Unplug unit and wait 5 seconds.
9. Plug unit back in.

Origins Service Menu

Enter service menu by holding WARMER and pressing LIGHT three times. Select option 1 to 16 with the WARMER and COLDER keys. To enter the option, press the LIGHT key. If changing a setting, you must press the LIGHT key again to retain the changed setting.

When entering service mode all other modes are cancelled and the unit will stop operating. When exiting service mode the unit will begin to operate normally, however the four-minute compressor off cycle still applies.

1. **Light all LED segments**
   This will illuminate all the LEDs on the board to ensure they work properly.
2. **Thermistor 1 status—Temperature, E1, or E2**

   This will show the pure thermistor reading with no offsets taken into account. When placed in ice water this thermistor should read 32°F in this menu option.
3. **Error log**

   A list of the errors in the order they occurred will scroll once on the display. Repeat if desired. Once viewed perform option 12 to clear the errors from memory.
4. **Defrost information**
   Displays the number of defrosts that have occurred in the past 24 hours.
5. **Compressor runtime based on last cycle**
   This will show the number of minutes the compressor has run in the prior cycle (or current cycle if the compressor was running when service mode was entered).
6. **Defrost length adjust min—99 minutes**
   The length of the defrost can be adjusted up to 99 minutes long (for every six hours). The other defrost parameters still apply. Lengthening a defrost may cause higher than normal temperatures in the refrigerator section.
7. **Light switch 1 status—0 or 1**
   This will tell if the light should turn off with the door switch or not. At the "0" reading the light should be off with the door closed and on with the door open. At the "1" reading the light stays on always.
8. **Display toggle status—0 or 1**
   This will tell if the display should turn off with the door switch or not. At the "0" reading the light should be off with the door closed and on with the door open. At the "1" reading the light stays on always.
9. **Restore factory defaults**
   This will restore the default set-point, defrost and offset values.
10. **Adjust thermistor 1 offset—10 to +10F**
    This allows calibration of the sensor to cabinet for abnormal operations. By adjusting this number colder you can change the average cabinet temperature to a colder value.
11. **Data download**
    Along with the separate USPY software you can download the rolling data file.
12. **Clear error log**
    Perform this operation after checking the errors.
13. **Clear download memory**
    Clears the rolling data file if desired.
14. **Model number displayed**
    Displays the two-digit model number of the specific unit.
15. **Adjust thermistor 1 differential.**
    This number should not be adjusted.
16. **Software number**
    This will show the software on the board.

Error Codes

E1 Thermistor 1 is open.

E2 Thermistor 1 is shorted.

E3 Main door or bottom drawer is open longer than 20 minutes.

E4 Compressor had 100% runtime between two defrost cycles.

E5 Thermistor 1 out of range + 10°F for more than 12 hours.

E6 Thermistor 1 out of range -10°F for more than 12 hours.

All errors show up on display alternating between SP and the actual code.

Origins Electronic Control Quick Reference Guide

	Task	Touch	Touch	Display	Comment
	Adjust Setpoint	WARMER or COOLER	WARMER or COOLER	38°F	Touch once to get into set mode, then touch to adjust
	View Actual Temp	WARMER Hold 5 seconds		°F	WC will scroll Top/Mid/Bot temperatures.
1	Change F/C	Hold	COOLER COOLER COOLER	3°C or 38°F	
2	Service Mode	WARMER Hold		0	Times out after 5 minutes. Use warmer or colder to scroll, light button to view.
3	Show Room Mode Toggle	COOLER Hold		-88°F	Degree symbol flashes at first, then display snakes all LEDS after one minute of inactivity. Same key combination to remove.
4	Display Toggle	WARMER	ON/OFF ON/OFF ON/OFF		Display control LEDS while door is closed. (Glass Door Models Only)
5	Blackout Mode	Hold 10 seconds			Stays off 36 hours or use light button to restore lights and display
6	Change Model	ON/OFF Hold while plugging in		50	
7	Turn ON/OFF	ON/OFF Hold 10 seconds		OFF or 38°F	
8	Cabinet Light	Touch & Release			Light normally goes on/off with door opening. Pressing light button will turn interior light on for 4 hours then it will turn off.

Service Mode Listing

01 Light all LED segments
02 Thermistor Status
03 Error Log
04 Defrost Info (# in past 24 hours)
05 Comp on time since last cycle
06 Defrost Length
07 Light Switch Status (0-toggle w/door 1-on always)
08 Display Status (0-toggle w/door 1-on always)
09 Restore Defaults (includes logs)
10 Adjust Offset
11 Data Download
12 Clear Error Log
13 Clear Download Memory
14 Display Model Number
15 Adjust Differential (use light & on/off key)
16 Display Software version
99 Exit Service Mode

Origins Model Selection:

1. Make sure unit is not plugged in.
2. Hold down on/off key and plug in unit.
3. Release on/off key.
4. Press and release light key.
5. Use warmer/colder to select the model number desired.
   a. 49-1175R 120V
   b. 50-1175WC 120V
   c. 51-1175BEV 120V
   d. 52-1175R 220V
   e. 53-1175WC 220V
   f. 54-1175BEV 220V
   g. 56-1115R 120V
   h. 57-1115R 220V
   i. 77-1115WC 120V
   j. 78-1115WC 220V
6. Press and release light key.
7. Wait for flashing to stop.
8. Unplug unit-wait 5 seconds.
9. Plug unit back in.

Error Codes

E1 - Thermistor open
E2 - Thermistor shorted
E3 - Door open longer than 20 minutes
E4 - # of defrost intervals with 100% run
E5 - Actual temp 10 degrees over setpoint for more than 6 hours
E6 - Actual temp 10 degrees under setpoint for more than 6 hours

Refrigeration System Diagnosis Guide

System Condition	Suction Pressure	Suction Line	Compressor Discharge	Condenser	Capillary Tube	Evaporator	Wattage
Normal	Normal	Slightly below room temperature	Very hot	Very hot	Warm	Cold	Normal
Overcharge	Higher than normal	Very cold - may frost heavily	Slightly warm to hot	Hot to warm	Cool	Cold	Higher than normal
Undercharge	Lower than normal	Warm - near room temperature	Hot	Warm	Warm	Extremely cold near inlet - outlet below room temperature	Lower than normal
Partial Restriction	Somewhat lower than normal - in vacuum	Warm - near room temperature	Very hot	Top passes warm - lower passes cool (near room temperature due to liquid	Room temperature (cool) or colder	Extremely cold near inlet - outlet below room temperature backing up	Lower than normal
Complete Restriction	In deep vacuum	Room temperature (cool)	Room temperature (cool)	Room temperature (cool)	Room temperature (cool)	No refrigeration	Lower than normal
No Gas	0 PSIG to 25"	Room temperature (cool)	Cool to hot	Room temperature (cool)	Room temperature (cool)	No refrigeration	Lower than normal

DEFROST INFORMATION - ALL MODELS

Model	Hours Between Defrost Time (Runtime) (Adjustable)	Length/min	Stop Point
2175R	6	90	42°
2115R	6	90	42°
2175WC	6	90	45°
2115WC	6	90	45°
2175BEV	6	90	42°
2175/2275DWRR	6	90	42°
CO2175F	12	18*/45	42°
2175RF	12	18*/45	42°
CO21752275DWR	12	18*/45	42°
CLRCO2175	6	90	42°
2275DWRWS	12	90	45° (both drawers)
2275ZWCS/2275ZWCOL	12	75	45° (both zones)
1115R	4	60	-
1175R/ADA24R	6	45	-
1115WC	6	45	-
1175WC	6	45	-
1175BEV	6	45	-

⚠ CAUTION

If frost is heavy, divert water from drain to prevent water from overflowing on the floor.

SPECIFICATIONS

CLR2160

COMPRESSOR/COIL SPECIFICATIONS

⚠ DANGER

Electrocution can cause death or serious injury. Burns from hot or cold surfaces can cause serious injury. Take precautions when servicing this unit.

- **Disconnect the power source.**
- **Do not stand in standing water when working around electrical appliances.**
- **Make sure the surfaces you touch are not hot or frozen.**
- **Do not touch a bare circuit board unless you are wearing an anti-static wriststrap that is grounded to an electrical ground or grounded water pipe.**
- **Handle circuit boards carefully and avoid touching components.**

To measure the start winding resistance measure across the C and S pins.

To measure the run winding resistance measure across the C and R pins.

Also check S to R and you should get the sum of the run and start windings.

To ensure the windings are not shorted check the S and R to ground.

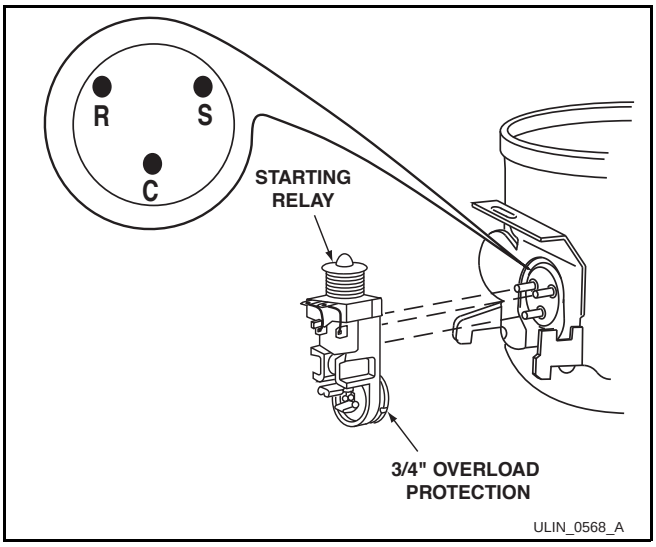


Figure 26. CLR2160

	EMY70HER
Voltage	115-127
Frequency	60.0
LRA	26.5
FLA	2.7
Start Winding	8.1
Run Winding	3.2
Capacitor	N/A

Water Valve	275 Ohms
Bypass Coil	300 Ohms
Pump Motor	72 Ohms

THERMISTORS

The U-Line Model CLR2160 uses two thermistors. The thermistors are used in conjunction with the control panel to monitor the unit's functions and troubleshooting capabilities. A type 1 thermistor is attached to the condenser dryer inlet and senses temperature after the condenser to signal length of ice-making and harvesting time. A type 2 thermistor senses the ice level in the ice bin and maintains ice level in the bin.

REED SWITCH

None on this model.

CLRCO2175

COMPRESSOR/COIL SPECIFICATIONS

⚠ DANGER

Electrocution can cause death or serious injury. Burns from hot or cold surfaces can cause serious injury. Take precautions when servicing this unit.

- **Disconnect the power source.**
- **Do not stand in standing water when working around electrical appliances.**
- **Make sure the surfaces you touch are not hot or frozen.**
- **Do not touch a bare circuit board unless you are wearing an anti-static wriststrap that is grounded to an electrical ground or grounded water pipe.**
- **Handle circuit boards carefully and avoid touching components.**

To measure the start winding resistance, measure across the C and S pins.

To measure the run winding resistance, measure across the C and R pins.

Also check S to R and you should get the sum of the run and start windings.

To ensure the windings are not shorted, check the S and R to ground.

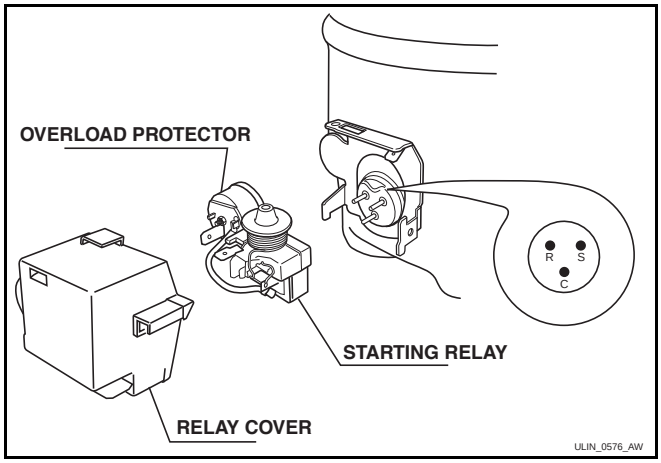


Figure 27. CLRCO2175

	FF7.5HBK
Voltage	115.0
Frequency	60.0
LRA	25.5
FLA	4.0
Start Winding	11.2
Run Winding	2.2
Capacitor	N/A

Water Valve	275 Ohms
Bypass Coil	300 Ohms
Pump Motor	72 Ohms
Refrigeration coils	150 Ohms

THERMISTORS

Four thermistors are employed. A type 1 thermistor is used to measure the condenser temperature and determine the freeze and harvest cycles in conjunction with the custom electronic board. A type 2 thermistor is used to measure the ice bin, refrigerator, and evaporator temperatures.

REED SWITCH

A reed switch is mounted to the underside of the cabinet and a magnet is mounted to the door. When the door is closed the magnet trips the switch which turns the light and display off. This also sets an audible warning.

DEFROST

For the refrigerator defrost information, please refer to page 3-40.

2175R/2115R
2175WC/2115WC
2175BEV
2175DWRR/2275DWRR
2275DWRWS/2275ZWC

COMPRESSOR/COIL SPECIFICATIONS

⚠ DANGER

Electrocution can cause death or serious injury. Burns from hot or cold surfaces can cause serious injury. Take precautions when servicing this unit.

- **Disconnect the power source.**
- **Do not stand in standing water when working around electrical appliances.**
- **Make sure the surfaces you touch are not hot or frozen.**
- **Do not touch a bare circuit board unless you are wearing an anti-static wriststrap that is grounded to an electrical ground or grounded water pipe.**
- **Handle circuit boards carefully and avoid touching components.**

To measure the start winding resistance, measure across the C and S pins.

To measure the run winding resistance, measure across the C and R pins.

Also check S to R and you should get the sum of the run and start windings.

To ensure the windings are not shorted, check the S and R to ground.

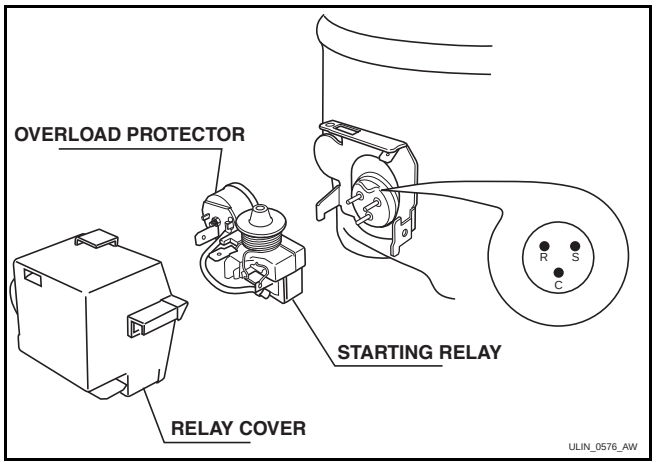


Figure 28. 2175R/2115R/2175WC/2115WC/2175BEV/ 2175WRR/2175DWRWS

	EMY70HER
Voltage	115-127
Frequency	60.0
LRA	26.5
FLA	2.7
Start Winding	8.1
Run Winding	3.2
Capacitor	N/A

REFRIGERATOR COIL OHMS-2175DWRWS/2275ZWC

Refrigeration coils	3000 Ohms

THERMISTORS

Two or four thermistors are employed. A type 2 thermistor is used to measure the refrigerator and evaporator temperatures.

REED SWITCH

A reed switch is mounted to the underside of the cabinet and a magnet is mounted to the door. When the door is closed the magnet trips the switch which turns the light and display off. This also sets an audible warning.

DEFROST

For the refrigerator defrost information, please refer to the 2175R model on page 32.

CO2175F/2175RF/CO2175DWR

COMPRESSOR/COIL SPECIFICATIONS

⚠ DANGER

Electrocution can cause death or serious injury. Burns from hot or cold surfaces can cause serious injury. Take precautions when servicing this unit.

- **Disconnect the power source.**
- **Do not stand in standing water when working around electrical appliances.**
- **Make sure the surfaces you touch are not hot or frozen.**
- **Do not touch a bare circuit board unless you are wearing an anti-static wriststrap that is grounded to an electrical ground or grounded water pipe.**
- **Handle circuit boards carefully and avoid touching components.**

To measure the start winding resistance, measure across the C and S pins.

To measure the run winding resistance, measure across the C and R pins.

Also check S to R and you should get the sum of the run and start windings.

To ensure the windings are not shorted, check the S and R to ground

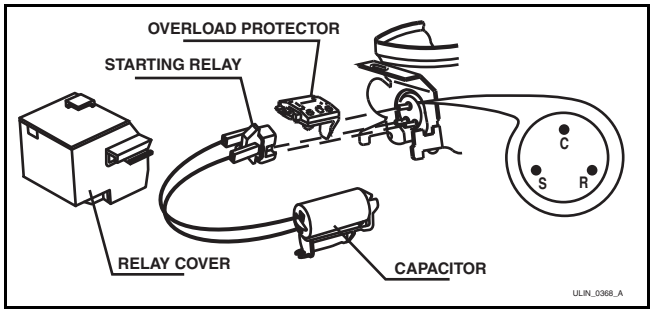


Figure 29. CO2175F/2175RF/CO2175DWR

	EMU45HSC	EMY70HER
	5408	70081
Voltage	115.0	115-127
Frequency	60.0	60.0
LRA	6.5	26.5
FLA	1.5	2.7
Start Winding	5.6	8.1
Run Winding	6.7	3.2
Capacitor	15uF	N/A

⚠ WARNING

Do not cycle ice maker by hand. This will cause damage to the ice maker.

Part	Resistance
Ice Maker Heater-110V	80
Ice Maker Heater-220V	320
Mullion Heater	1600
Pan Heater	6350
Bypass coil	300
120V water valve	335
220V water valve	1900

ICE MAKER LIMIT SWITCH

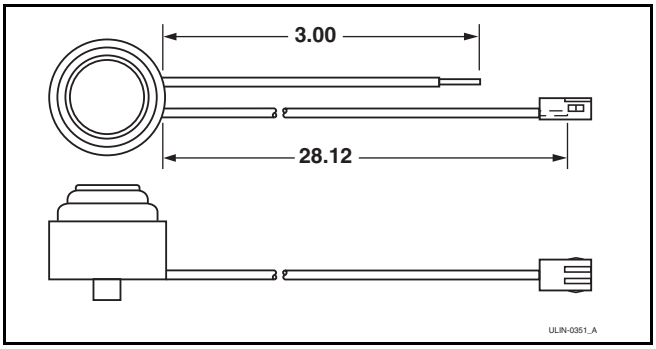


Figure 30. Ice Maker Limit Switch-Normally Closed

1175R/1115R
1175WC/1115WC
1175BEV/ADA24R

COMPRESSOR/COIL SPECIFICATIONS

⚠ DANGER

Electrocution can cause death or serious injury. Burns from hot or cold surfaces can cause serious injury. Take precautions when servicing this unit.

- **Disconnect the power source.**
- **Do not stand in standing water when working around electrical appliances.**
- **Make sure the surfaces you touch are not hot or frozen.**
- **Do not touch a bare circuit board unless you are wearing an anti-static wriststrap that is grounded to an electrical ground or grounded water pipe.**
- **Handle circuit boards carefully and avoid touching components.**

To measure the start winding resistance, measure across the C and S pins.

To measure the run winding resistance, measure across the C and R pins.

Also check S to R and you should get the sum of the run and start windings.

To ensure the windings are not shorted, check the S and R to ground.

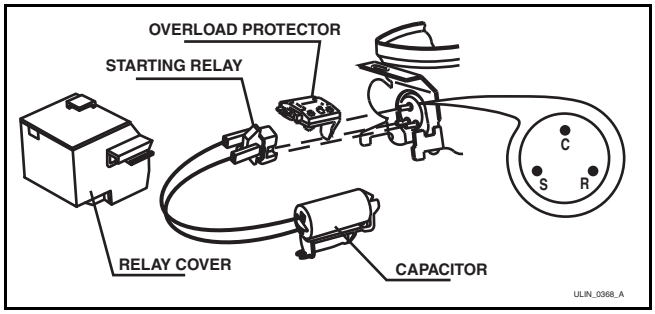


Figure 31. 1175R/1115R/1175WC/1115WC/1175BEV

THERMISTORS

For all models, one type 2 thermistor is mounted to the sidewall.

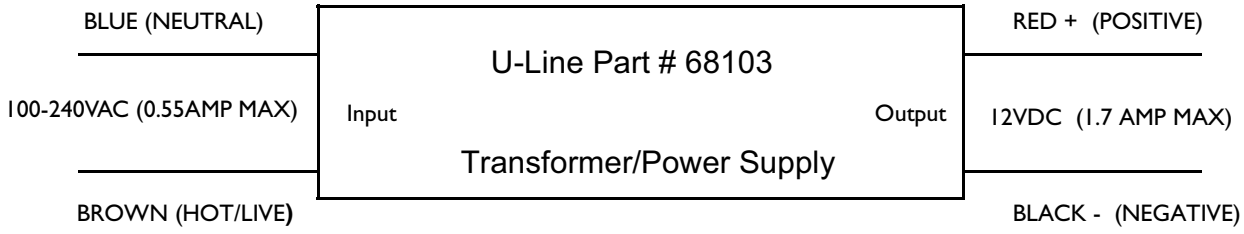
Reed Switch

A reed switch is mounted to the underside of the cabinet and a magnet is mounted to the door. When the door is closed, the magnet trips the switch which turns the light and display off. For glass door models the display remains on unless toggled.

	5400	5403	70075	70077
Voltage	115.0	220-240	115.0	115.0
Frequency	60.0	50.0	60.0	60.0
LRA	9.8	4.0	6.0	5.5
FLA	1.2	0.7	1.2	1.0
Start Winding	21.2	39.5	4.2	7.0
Run Winding	7.9	28.6	5.4	8.4
Capacitor	N/A	N/A	opt 15 uF	12uF

IMPORTANT

The U-Line ADA24R models employ both a 12VDC evaporator fan assembly and condenser fan assembly. The motors are powered by a 12VDC power supply located in the base of the unit. These fans are designed to operate in conjunction with the compressor and should be running whenever power is applied to the compressor electricals. These motors do not require external lubrication and do not overtighten the mounting screws upon installation (tab breakage could occur).



ADJUSTMENTS AND REPAIR

Leveling

IMPORTANT

It is extremely important that the unit is level for maximum production.

If it is not:

Doors or drawers will not work properly.

In ice maker units, uneven sized cubes will be formed. Ice production will reduce and water spilling into the storage area can occur causing the ice in the bin to melt prematurely (Figure 32).

Remember, floors surrounding a drain have a tendency to slope toward the drain.

1. Use a level to check the unit from front to back **(Figure 33)** and from side to side **(Figure 34)**.
2. If the unit is not level, adjust the feet on the corners as necessary **(Figure 35)**. Rotating the feet clockwise raises the unit.

Check after each adjustment and repeat the previous steps as necessary until the unit is level.

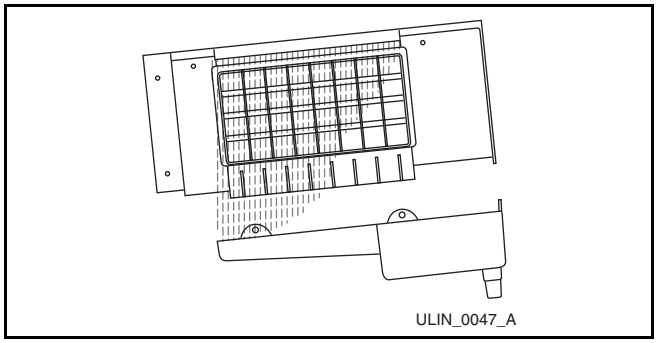


Figure 32

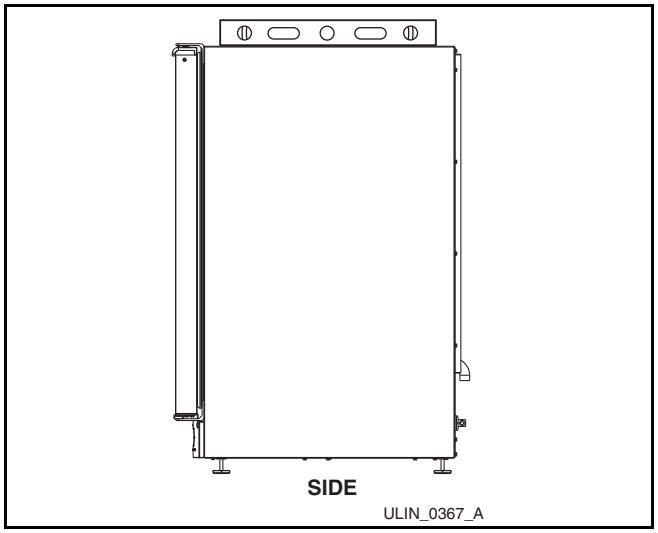


Figure 33

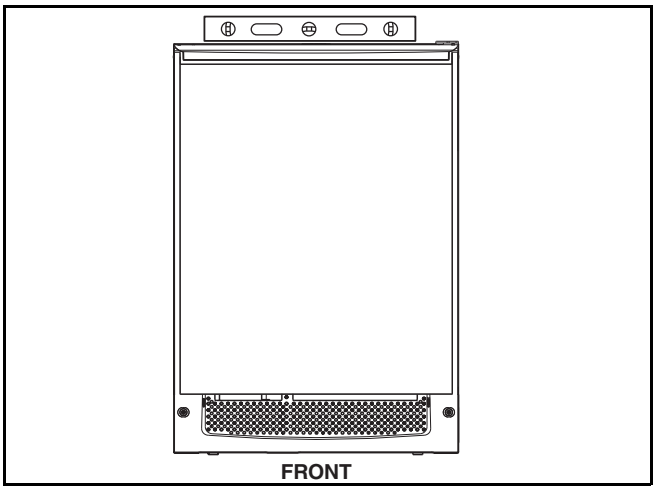


Figure 34

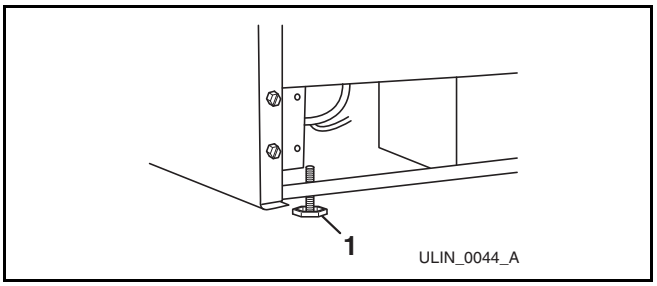


Figure 35

Door Alignment - Échelon Models

The unit's door is aligned at the factory before shipment. However, its alignment could have been disturbed during shipment or during door panel installation.

IMPORTANT

Properly aligned, the door should be 1/8" below the top of the unit's cabinet, NOT flush with the top (Figure 36).

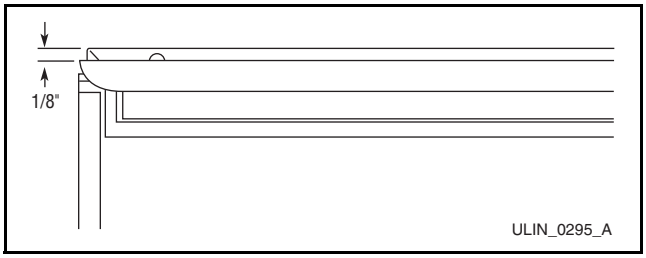


Figure 36

1. Compare the top edge of the door to the top edge of the cabinet.
2. If the door edge is 1/8" below and parallel to the top of the cabinet, it is adjusted correctly. If it is not, note whether the side opposite the hinge needs to be moved UP or DOWN, and use the following procedure.

ÉCHELON FULL OVERLAY

NOTE: If door is adjusted correctly, but panel is not square with the adjacent cabinets, slight adjustments can be made by drilling the holes in the vinyl-coated steel panel slightly oversized **(Figure 37)**.

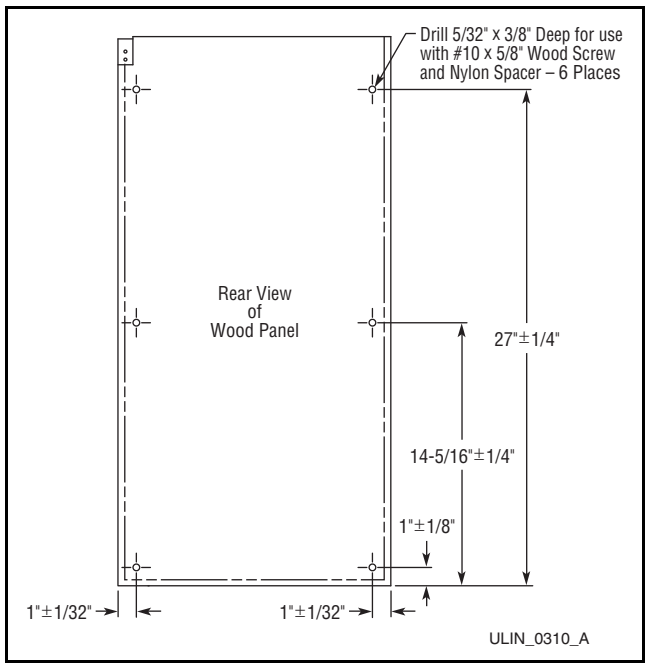


Figure 37

ADJUSTING DOOR ALIGNMENT

1. Remove top hinge screw pin using a Phillips screwdriver **(Figure 38)**. Remove door by tilting forward and lifting off bottom hinge pin.

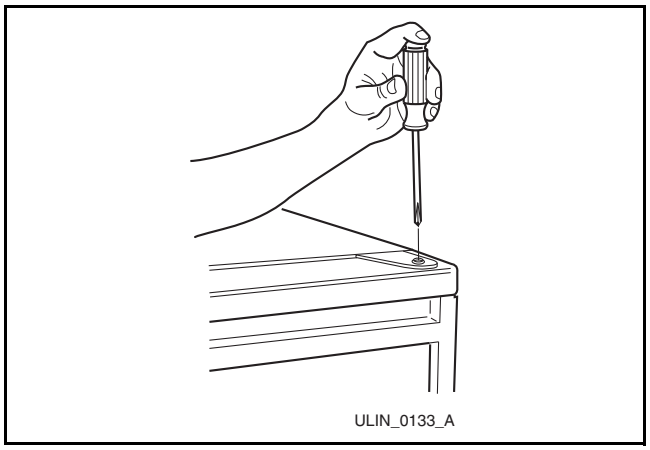


Figure 38

2. With door upside-down, loosen but do not remove the two screws on the door's bottom hinge plate.

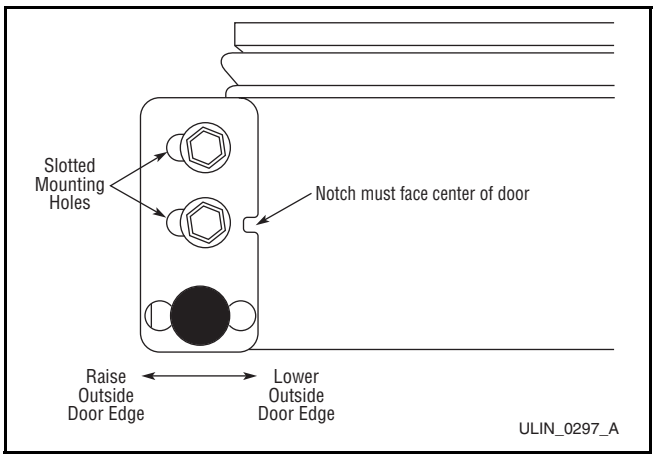


Figure 39

3. See **Figure 39** and **Figure 40**. If the top far edge of the door needs to move UP, move the hinge plate toward the outside of the door and retighten screws. If the top far edge of the door needs to move DOWN, move the hinge plate toward the inside of the door and retighten screws.

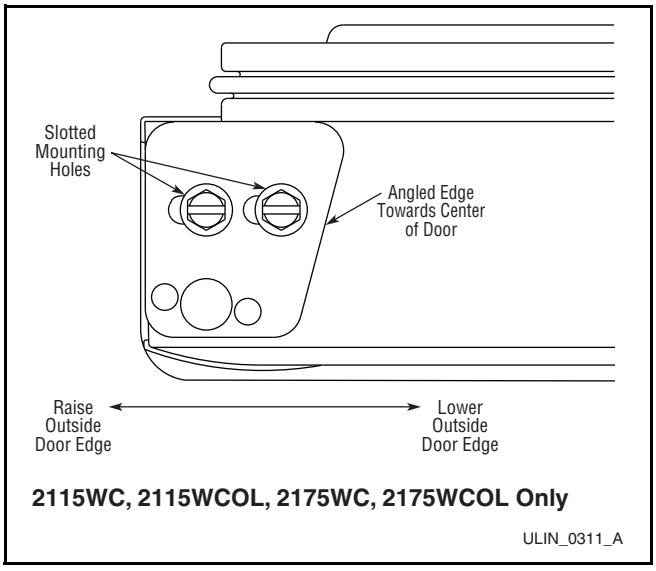


Figure 40

4. Mount the door to recheck alignment and repeat steps 2 and 3 if further adjustment is necessary.
5. When top edge of door is parallel to top edge of cabinet, remove the door and ensure the two screws are secure.
6. Remove the door closers from the bottom hinge, clean thoroughly and lubricate the mating surfaces with petroleum jelly.
7. Reinstall the closers, lining up the bosses with holes in hinge and hinge plate **(Figure 41)**.

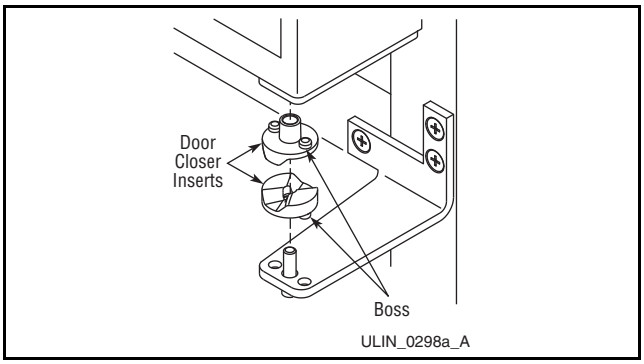


Figure 41

8. Mount the door, install top hinge pivot pin.

Door Alignment - Origins Models

The unit's door is aligned at the factory before shipment. However, its alignment could have been disturbed during shipment or during door panel installation.

IMPORTANT

Properly aligned, the door's gasket should be firmly in contact with the cabinet all the way around the door (no gaps).

CHECKING DOOR ALIGNMENT

1. Carefully examine the door's gasket to assure that it is firmly in contact with the cabinet.
2. If the door is properly aligned, no further adjustment is necessary. If it is not, use the following procedure.

ADJUSTING DOOR ALIGNMENT

1. Loosen (do not remove) top and bottom hinge screws **(Figure 42** and **Figure 43)**.

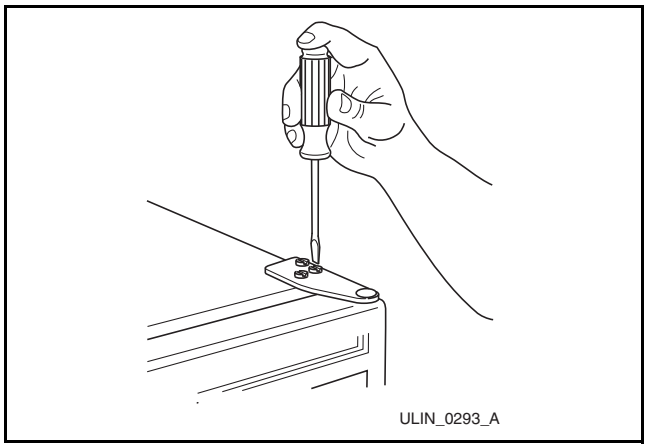


Figure 42

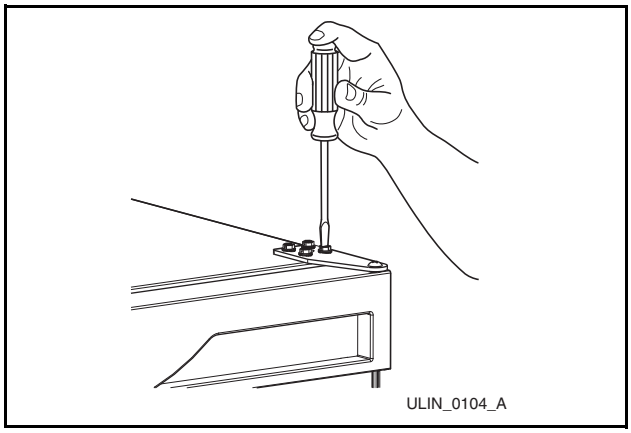


Figure 43

2. Align door squarely with cabinet. Make sure gasket is firmly in contact with cabinet all the way around the door (no gaps).
3. Tighten bottom hinge screws.
4. Tighten top hinge screws.

Drawer Alignment

CHECKING DRAWER ALIGNMENT

The unit's drawers are aligned at the factory before shipment. However, their alignment could have been disturbed during shipment or during overlay panel installation.

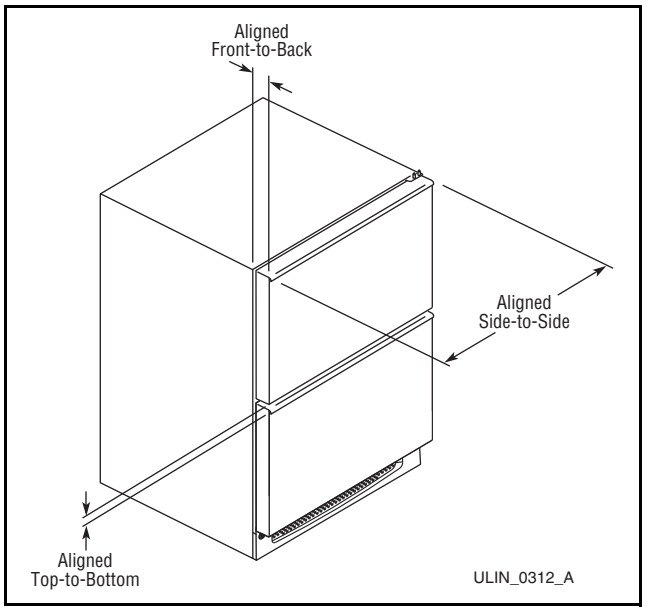


Figure 44

See **Figure 44**. Check each drawer to confirm that it is aligned:

- **Side-to-Side** — When viewed from the top, the drawer front should be square with the sides of the cabinet.
- **Front-to-Back** — When viewed from the side, the drawer front should be straight with the cabinet's sides, not cocked forward or back.
- **Top-to-Bottom** — When viewed from the front, the drawer should be level horizontally.

If both drawers are properly aligned, no further adjustment is necessary. If either drawer is not aligned, carefully follow instructions to remove that drawer, make the necessary adjustment and re-install the drawer.

ADJUSTING DRAWER ALIGNMENT

⚠WARNING

SHOCK HAZARD — The unit must be unplugged from the wall outlet during drawer removal, adjustment and re-installation.

DRAWER REMOVAL

1. Confirm that the unit is unplugged from wall outlet.
2. Unplug the drawer's connection wiring (top drawer only).
3. Remove the mounting screws **(Figure 45** and **Figure 46)**.

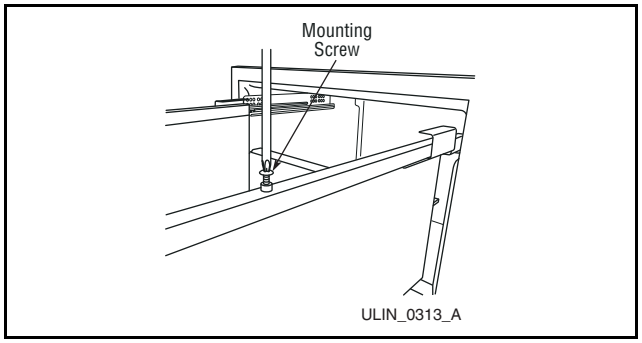


Figure 45

4. Pull the drawer completely out of the unit.

⚠CAUTION

Use care when handling the drawer. Drawer edges, drawer rail and the unit's slide may be sharp.

IMPORTANT

Drawer adjustments are made by moving the slide that carries the drawer's rail. Minor adjustments may be made by loosening one of the slide's mounting screws, adjusting the slide and retightening the screw. Severe adjustments may be made by removing the slides' mounting screws, drilling new mounting holes and remounting the slide.

SIDE-TO-SIDE ADJUSTMENT

See **Figure 46**. The drawer will need a side-to-side adjustment if, when viewed from the top, the drawer front is not square with the sides of the cabinet. This is caused by one of the slides being mounted too far forward on the unit's liner.

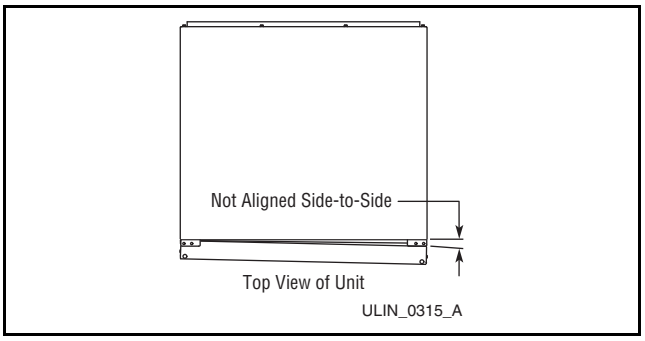


Figure 46

Minor Adjustment

NOTE: The mounting holes on the slide are slightly larger than the screws' diameter.

1. Loosen the slide's mounting screws.
2. Push the slide backward.
3. Retighten the screws **(Figure 47)**.

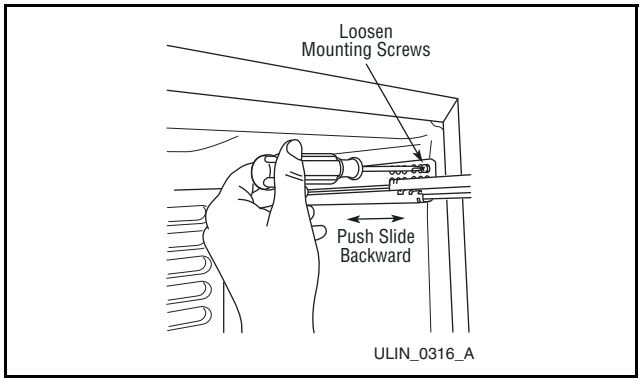


Figure 47

Severe Adjustment

NOTE: The slides have extra mounting holes that may be used.

1. Remove the slide's mounting screws.
2. Reposition the slide so it is the same distance from the front of the liner as the other slide. Measure to confirm.
3. Mark new drilling holes using different sets of mounting holes on the slide **(Figure 48)**.

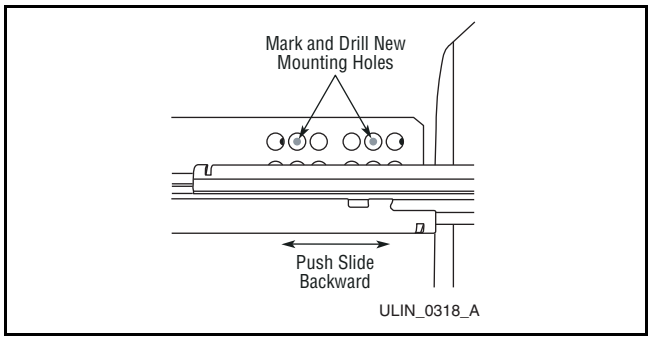


Figure 48

NOTE: Front location holes are shown. Corresponding rear holes will also need to be marked.

4. Drill all the new holes with a #30 drill bit.
5. Remount the slide.

FRONT-TO-BACK ADJUSTMENT

See **Figure 49**. The drawer will need a front-to-back adjustment if, when viewed from the side, the drawer front is cocked forward or back. This is caused by the slide mountings not being level front to back.

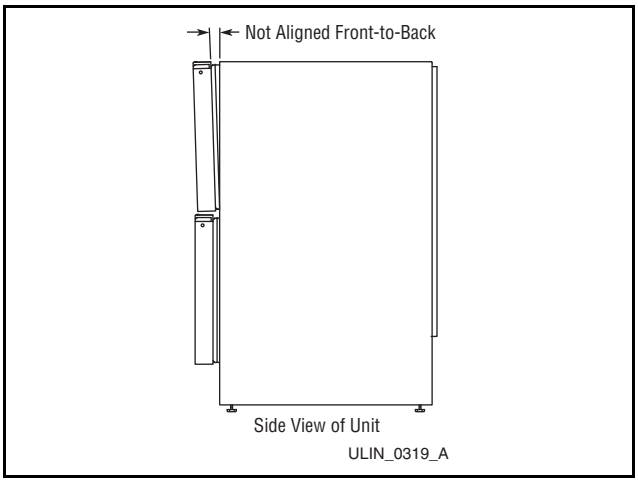


Figure 49

Minor Adjustment

NOTE: The mounting holes on the slide are slightly larger than the screws' diameter.

1. Loosen one slide's mounting screws.
2. Level the slide.
3. Retighten the screws **(Figure 50)**.

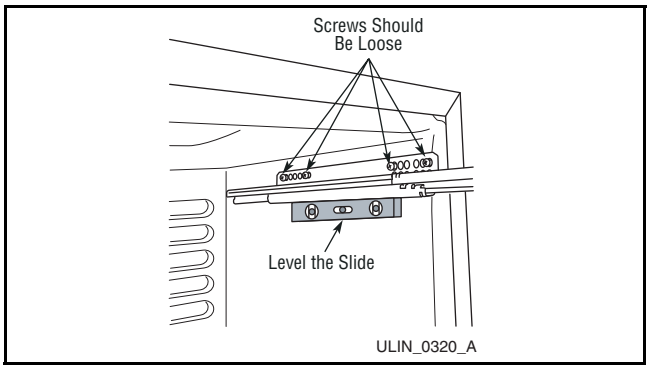


Figure 50

4. Repeat the procedure for the other slide.

Severe Adjustment

NOTE: The slides have extra mounting holes that may be used.

1. Loosen one slide's rear mounting screws.
2. Remove the slide's front mounting screws.
3. Reposition the slide so it is level.
4. Mark new front drilling holes using a different set of mounting holes on the slide **(Figure 51)**.

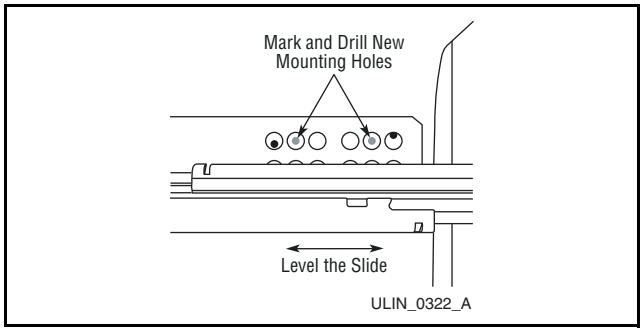


Figure 51

5. Drill the new holes with a #30 drill bit.
6. Remount the slide.
7. Repeat procedure for the other slide.

TOP-TO-BOTTOM (AND LEFT-TO-RIGHT) ADJUSTMENT

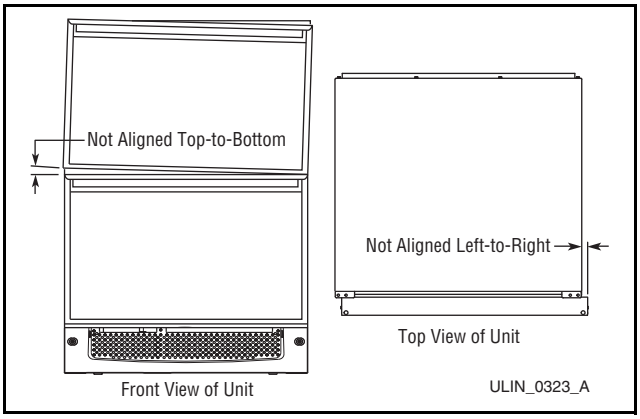


Figure 52

See **Figure 52**. The drawer will need a top-to-bottom adjustment if, when viewed from the front, the drawer is not level horizontally. Viewed from the top, one side will protrude. This is caused by one of the slides being mounted higher than the other slide on the unit's liner.

Minor Adjustment

NOTE: The mounting holes on the slide are slightly larger than the screws' diameter.

1. Loosen one slide's mounting screws.
2. Push the slide upward or downward to match the position of the other slide.
3. Retighten the screws **(Figure 53)**.

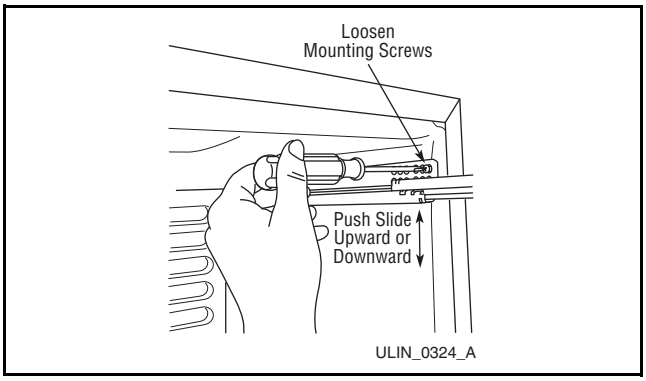


Figure 53

4. Repeat the procedure with the other slide if necessary.

Severe Adjustment

NOTE: The slides have extra mounting holes that may be used.

1. Remove one slide's mounting screws.
2. Reposition the slide so it is the same distance from the bottom of the liner as the other slide. Measure to confirm.
3. Mark new drilling holes using different sets of mounting holes on the slide **(Figure 54)**.

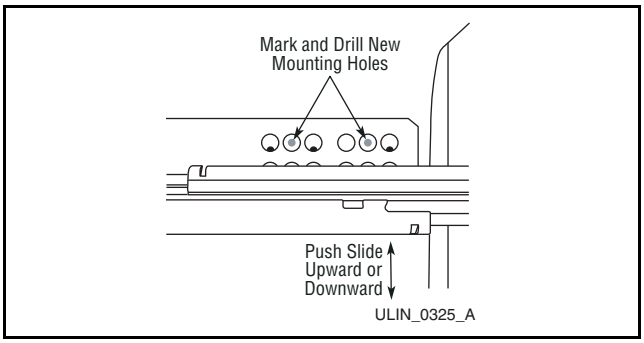


Figure 54

NOTE: Front location holes are shown. Corresponding rear holes will also need to be marked.

4. Drill all the new holes with a #30 drill bit.
5. Remount the slide.

RE-INSTALLATION OF DRAWER

⚠ CAUTION

Use care when handling the drawer. Drawer edges, drawer rail and the unit's slide may be sharp.

1. Set the drawer's rails onto the slides.
2. Re-install the rails' mounting screws **(Figure 55)**.

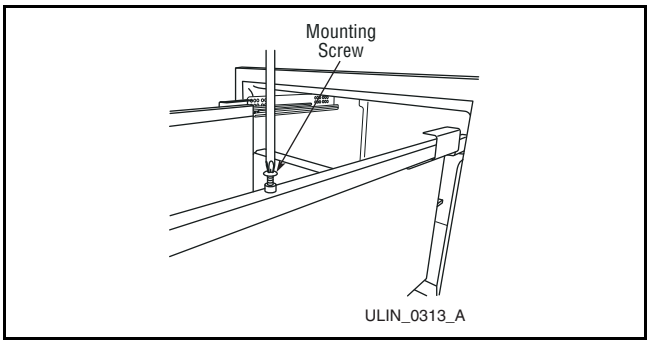


Figure 55

3. Plug in the drawer's connection wiring (top drawer only).

Ice Cube Thickness Adjustment

INTERVAL - AS REQUIRED

Ice thickness adjustments are made using the control panel as follows:

1. To enter the thickness adjustment mode:
   a. Touch and hold the UP ARROW button.
   b. Touch and release the DOWN ARROW button three times, then release the UP ARROW button.
   c. The display will switch to "0" to confirm the thickness adjustment mode has been selected.
2. The factory setting is "0," and the total range of adjustment is -5 to +5 (ideal range is -1 to +1). Use the UP ARROW button to raise the setting and thicken the ice bridge, or the DOWN ARROW button to lower the setting to thin the ice bridge.

IMPORTANT

Ice thickness adjustment should only be made one increment at a time. Allow ice maker production to stabilize for 24 hours before rechecking ice thickness.

3. Touch and release the LIGHT button key to exit the ice thickness adjustment mode.
4. Remove all ice from the storage bin.

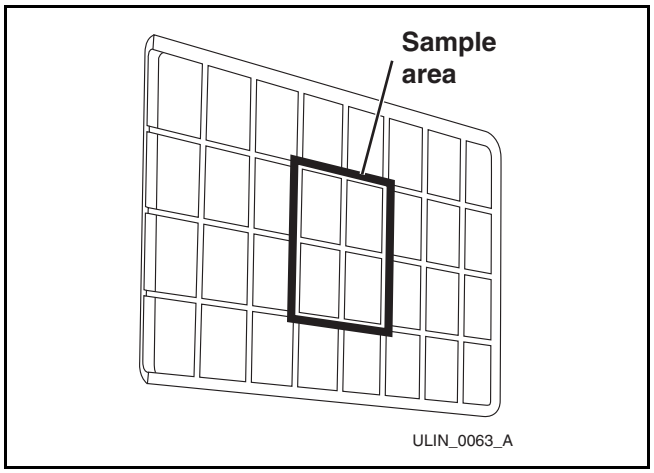


Figure 56

Ice cubes in any given batch will vary, so it is necessary to choose cubes from the sample area for comparison when making adjustments. If further adjustments are desired, repeat Steps 1 through 4.

The ice cube thickness is factory set for best overall performance. The factory setting is designed to maintain an ice bridge of approximately 1/16" to 1/8" under normal conditions resulting in a dimple of approximately 1/4" to 1/2" in depth. A fuller cube with less of a dimple results in a thicker ice bridge. As the ice bridge becomes thicker, the tendency for the cubes to stay together as a slab increases. A bridge thicker than 1/8" may cause cubes to overfill the ice bucket.

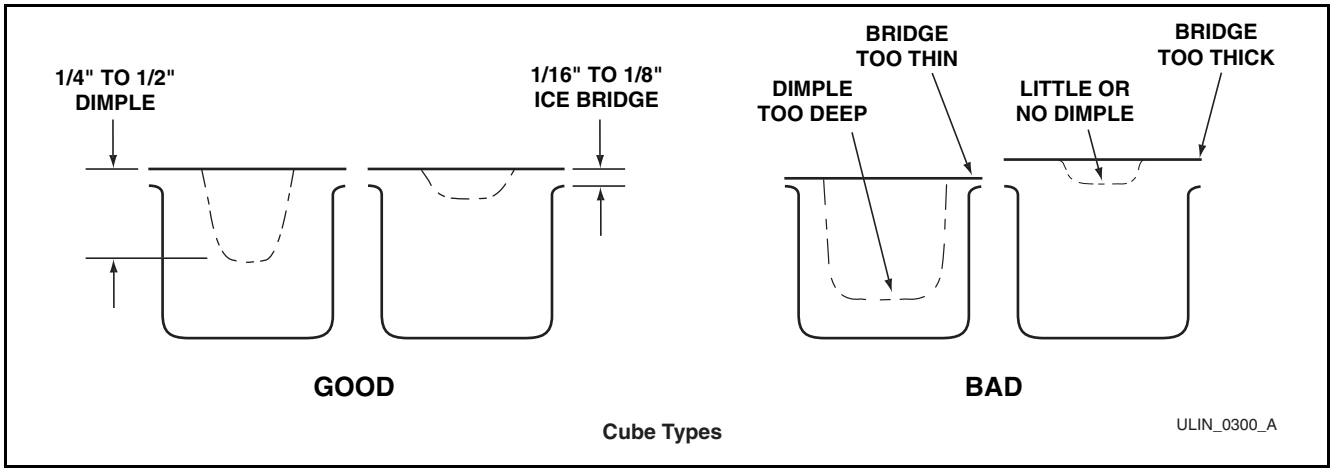


Figure 57

Parts Replacement

NOTE: Echelon models do not require removal of the ice maker or freezer housing to access the fan motor, drain or evaporator.

REPLACING EVAPORATOR FAN MOTOR - CO2175F/2175RF

1. Disconnect unit from power source.
2. Remove two screws **(Figure 58)** from fan cover.
3. Remove two screws holding fan bracket to liner.
4. Unplug fan connection.
5. Remove two nuts holding the fan to the fan bracket.
6. Replace with new fan.
7. Plug in the fan connection.
8. Reinstall fan bracket to liner, making sure the fan wires are tucked behind the fan bracket.
9. Reinstall unit and test.

ACCESSING EVAPORATOR OR DRAIN - CO2175F/2175RF

1. Disconnect unit from power source.
2. Remove two screws **(Figure 58)** from fan cover.
3. Remove three screws from evaporator cover.
4. To remove, pull evaporator cover forward and turn.

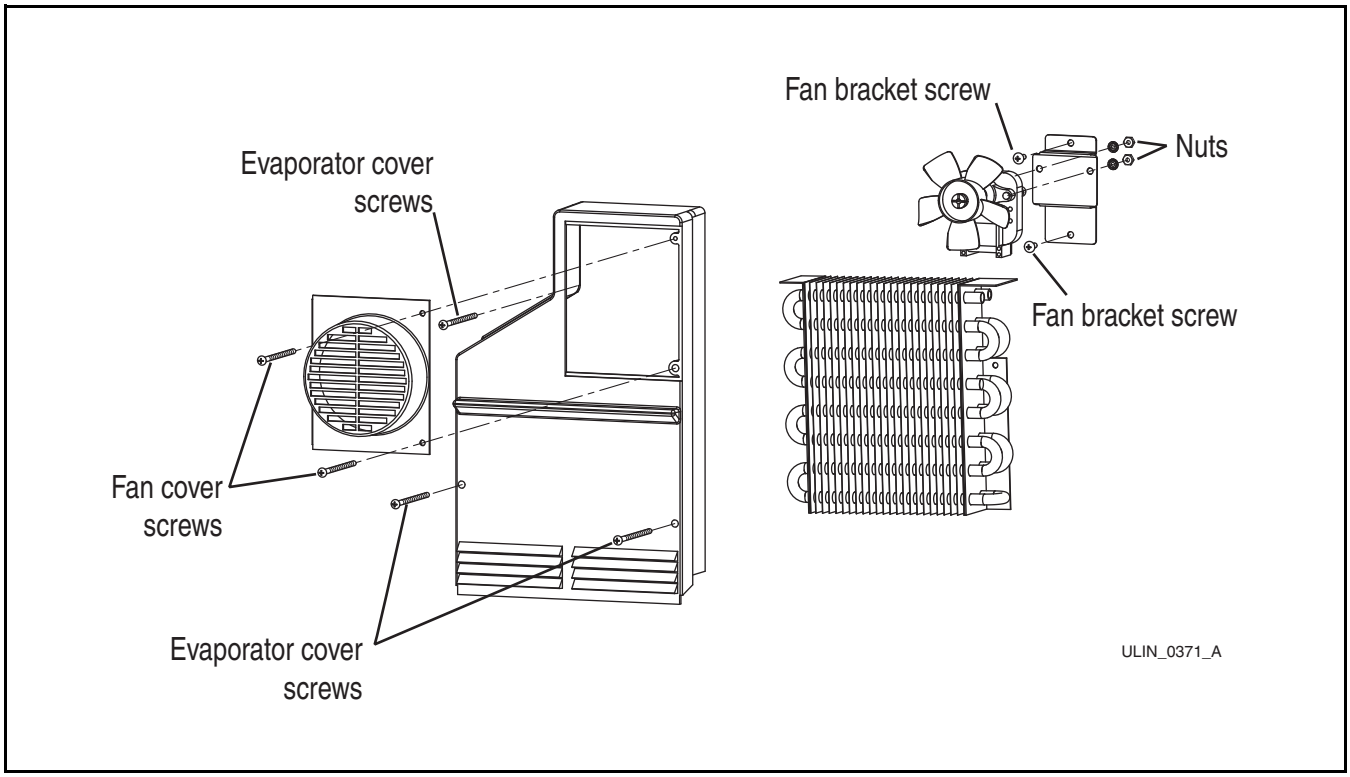


Figure 58. CO2175F/2175RF

REPLACING EVAPORATOR FAN MOTOR - CO2175DWR

1. Disconnect unit from power source.
2. Remove two screws **(Figure 58)** holding evaporator fan cover to evaporator cover.
3. Unplug fan connection.
4. Remove two nuts and two washers holding the fan to the fan bracket.
5. Replace with new fan.
6. Plug in the fan connection, making sure the fan wires are tucked behind the fan bracket.
7. Reinstall evaporator cover.
8. Reinstall unit and test.
9. Reinstall fan bracket to liner, making sure the fan wires are tucked behind the fan bracket.
10. Reinstall unit and test.

To access evaporator or drain:

1. Disconnect unit from power source.
2. Remove two screws **(Figure 58)** holding evaporator cover to drain pan.
3. Remove two screws holding evaporator to drain pan.
4. Remove two screws holding fan bracket to drain pan.
5. Unplug fan connection.
6. Reinstall parts in reverse order.
7. Reinstall unit and test.

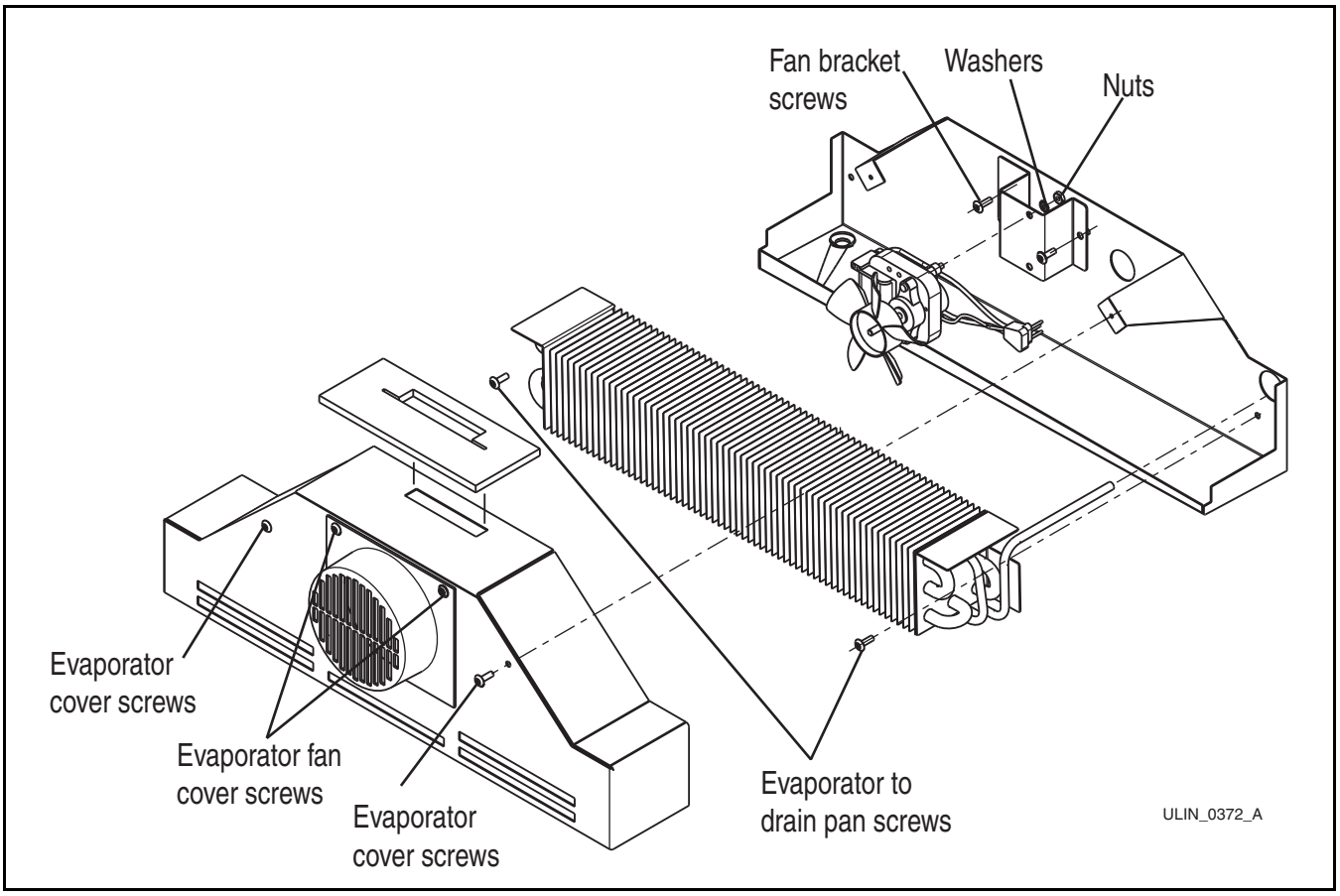


Figure 59. CO2175DWR

REPLACING ICE MAKER

1. Unplug unit.
2. Disconnect ice maker wire harness at plug **(Figure 60)**.
3. Disconnect thermistor plug.
4. Remove water inlet tube.
5. Remove front cover.
6. Advance ejector blade to the 3 o'clock position by turning the 5/16" hex head on the small brass gear counterclockwise.
7. Remove three screws from wall of freezer housing.
8. Remove ice maker assembly.
9. Install new ice maker assembly.
10. Reconnect plug.
11. Reconnect thermistor plug.
12. Insert water inlet tube.
13. Apply Permagum® to all exit holes.
14. Install back panel.
15. Plug in unit and test.

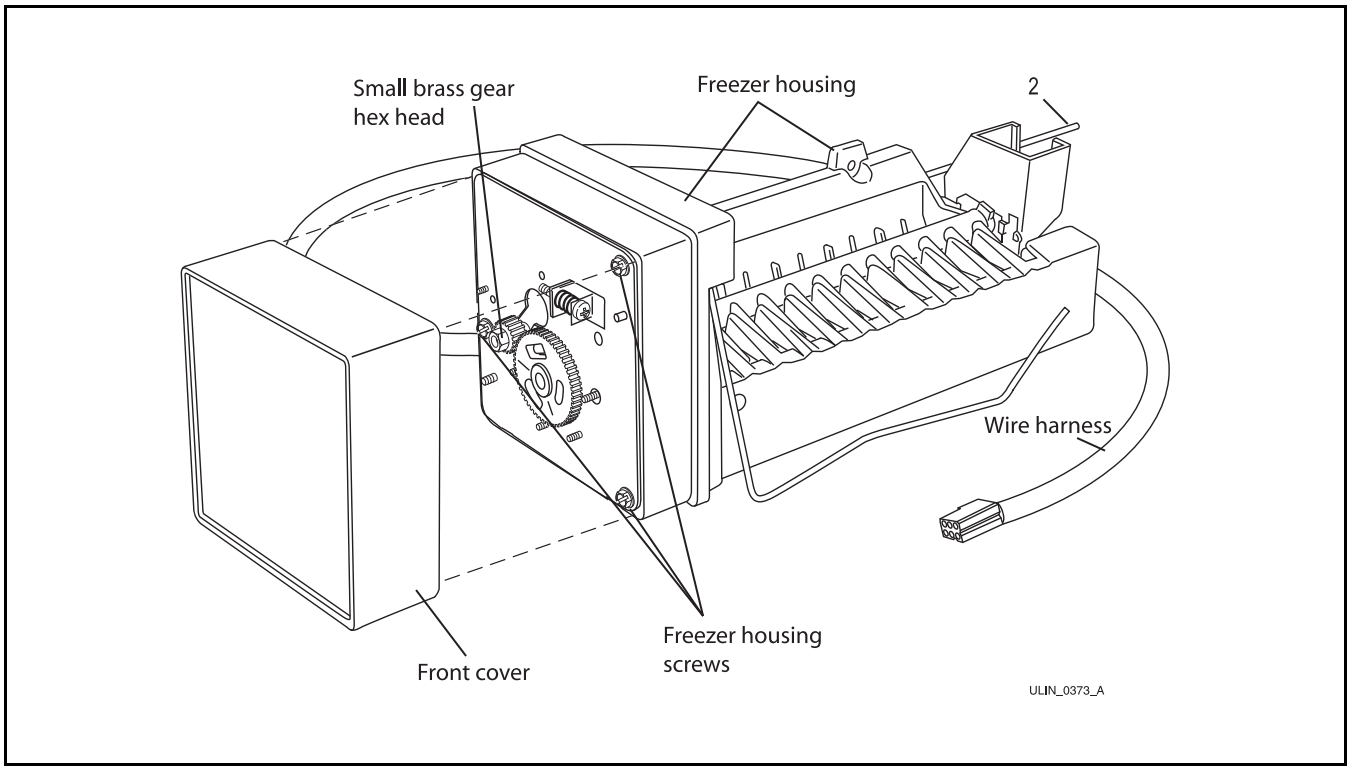


Figure 60

REPLACING MOLD AND HEATER - CO2175F/CO2175DWR

1. Remove ice maker assembly. Refer to **Replacing Ice Maker Assembly**.
2. Remove one stripper screw **(Figure 61)** and stripper.
3. Remove three face plate screws and face plate.
4. Remove one screw and detach limit switch from mold.
5. Detach heater leads.
6. Remove two screws and mold from support housing.
7. To assemble, replace parts in reverse order.
8. Install the ice maker assembly.

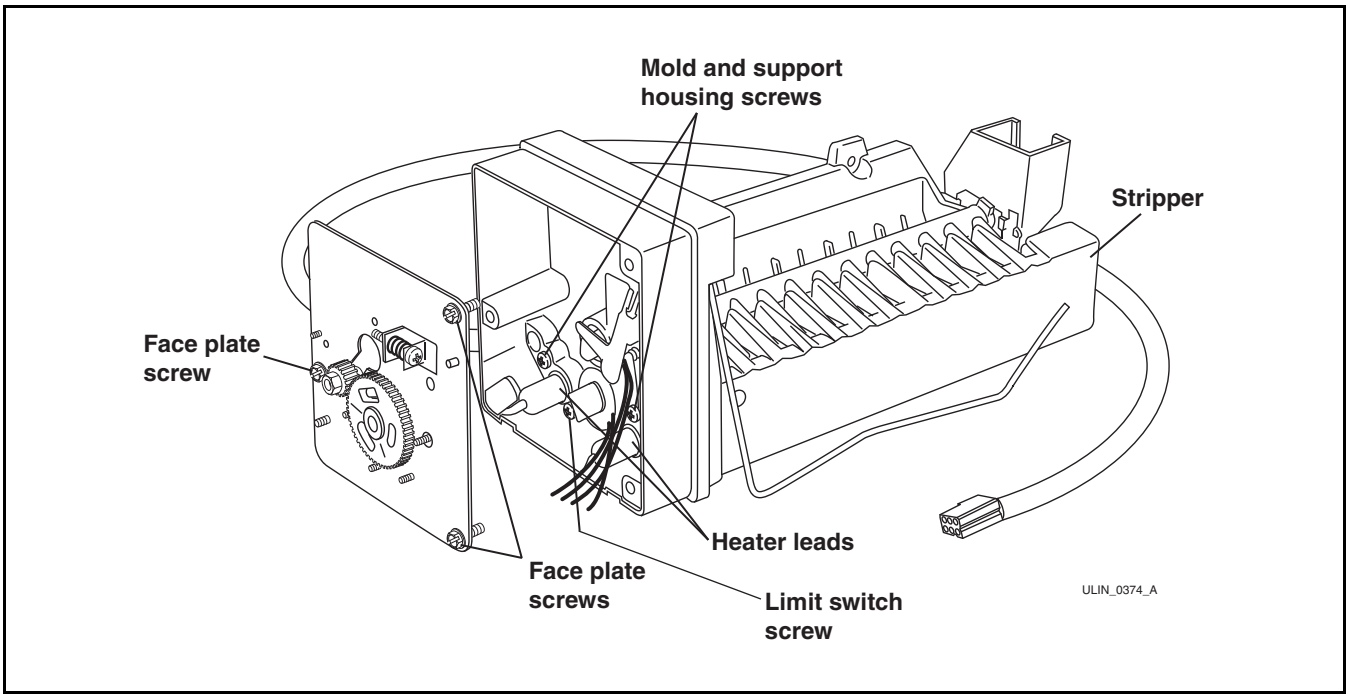


Figure 61

Plumbing - CLR2160 and CLRCO2175

⚠ CAUTION

Plumbing installation must observe all state and local codes. All water and drain connections MUST BE made by a licensed/qualified plumbing contractor. Failure to follow recommendations and instructions may result in damage and/or harm.

DRAIN CONNECTION

IMPORTANT

Drain can NOT be located directly below unit. Unit has a solid base that will not allow unit to drain below itself.

The unit can be installed using a gravity drain, a factory-installed drain pump (U-Line P60) or a locally installed drain pump. Drain lines must have a 5/8" inside diameter. The floor drain must be large enough to accommodate drainage from all attached drains.

Follow these guidelines when installing drain lines to prevent water from flowing back into the ice maker storage bin and/or potentially flowing onto the floor, causing water damage:

GRAVITY DRAIN

A Gravity Drain may be used if:

- Drain line has at least a 1" drop per 48" of run (1/4" per foot).
- Drain line does not create traps or created traps are vented **(Figure 62)**.

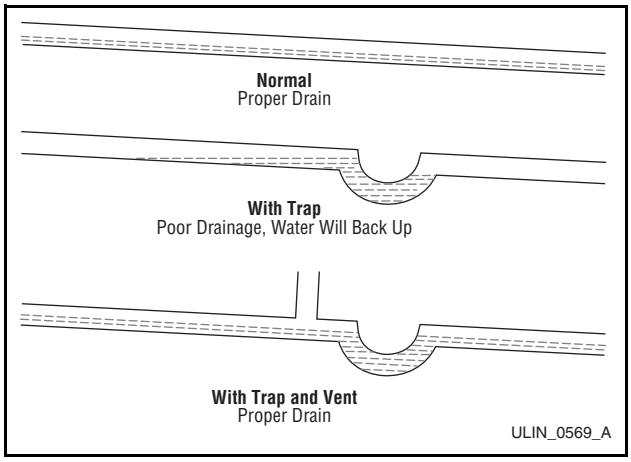


Figure 62

See **Figure 63** for a typical gravity drain installation.

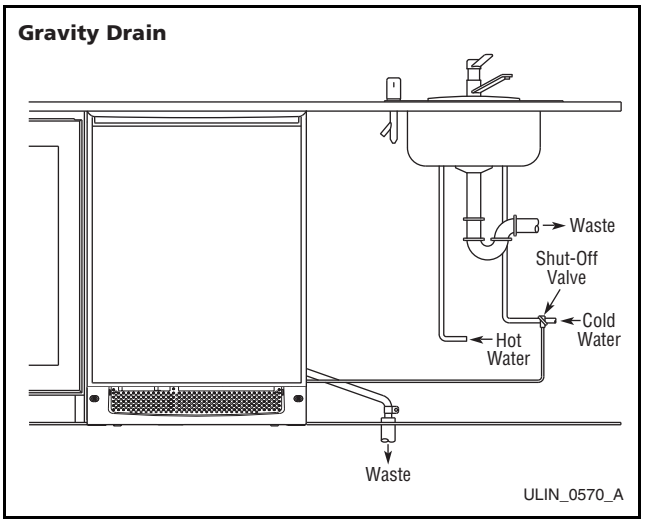


Figure 63

If using a gravity drain:

1. Attach the 5/8" ID drain connection on the back of the unit to a 5/8" OD rigid tube, using a worm clamp.
2. Attach the other end of the rigid tube to your 5/8" ID drain line with a worm clamp.
3. Insulate the drain line, if necessary, to prevent condensation.

FACTORY-INSTALLED DRAIN PUMP

If your drain line will run up to a stand pipe, disposal assembly or spigot assembly or does not otherwise meet the requirements for a gravity drain, you may have ordered the CLR2160 with a U-Line P60 drain pump. See **Figure 64**, **Figure 65** and **Figure 66** for typical installations requiring a drain pump. If you need to install a P60 drain pump into your unit, see **Locally-Installed Drain Pump**.

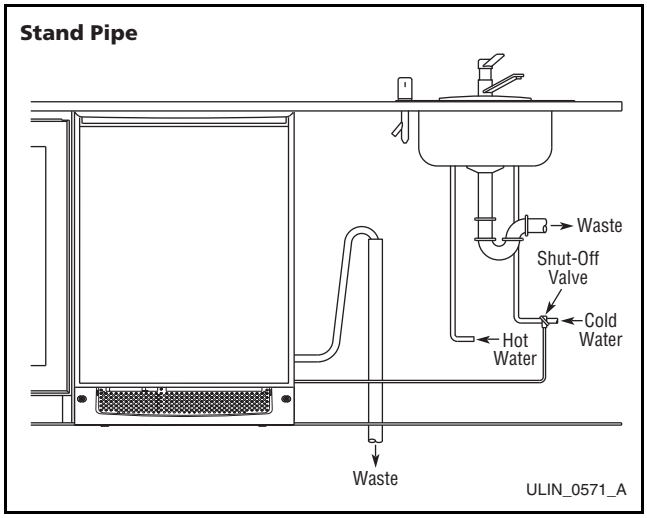


Figure 64

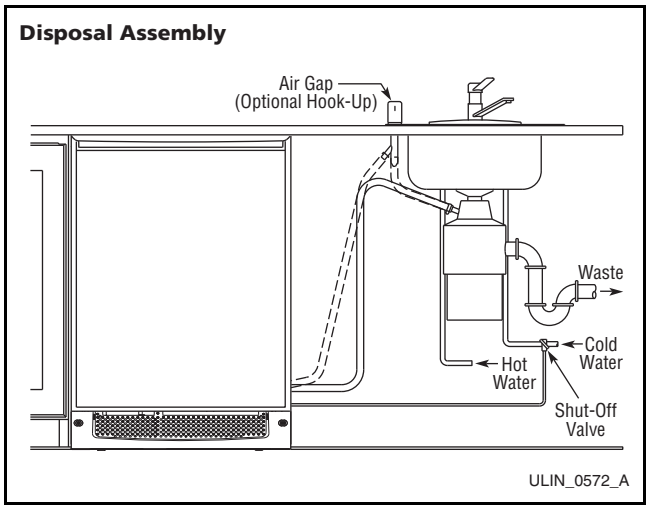


Figure 65

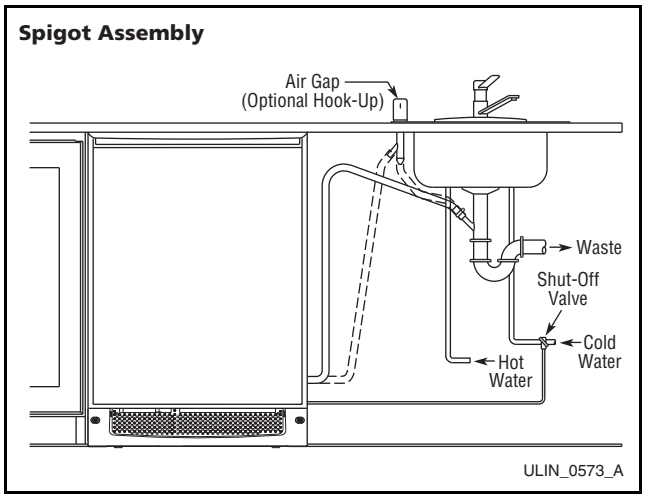


Figure 66

IMPORTANT

Before installing your U-Line unit with factory- installed U-Line P60 pump, it is extremely important to check and test all hose connections at the drain pump. There is a possibility that hose connections may have loosened during shipment.

⚠ WARNING

To prevent accidental electrocution, make certain that the floor surfaces surrounding the unit are dry whenever power is removed from, or applied to, the unit.

To check and test hose connections:

1. Make certain the unit is not plugged into an electrical outlet.
2. Carefully push the power cord grommet through the hole in the back panel **(Figure 67)**.

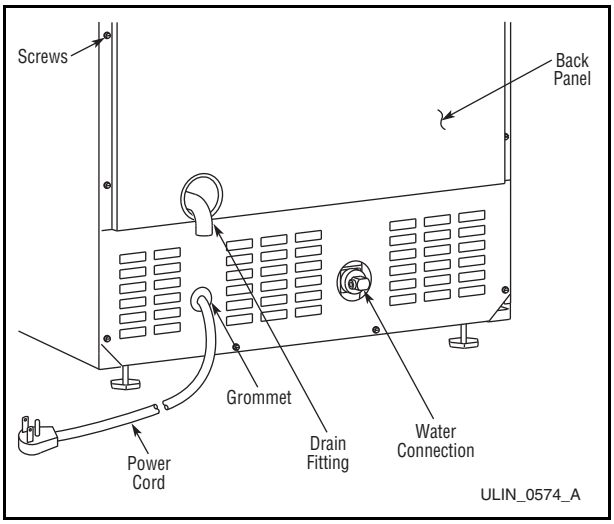


Figure 67

3. Remove 12 screws and back panel.

⚠ WARNING

Back panel serves as a guard. DO NOT put your hands inside the ice maker cabinet or attempt to touch any components except the discharge tube during testing. Failure to follow this warning could result in serious personal injury or death.

4. Check that the clamps and hose connections are tight at the following areas **(Figure 68)**:

- Discharge tube (A)
- Drain tube (B)
- Vent tube (C)

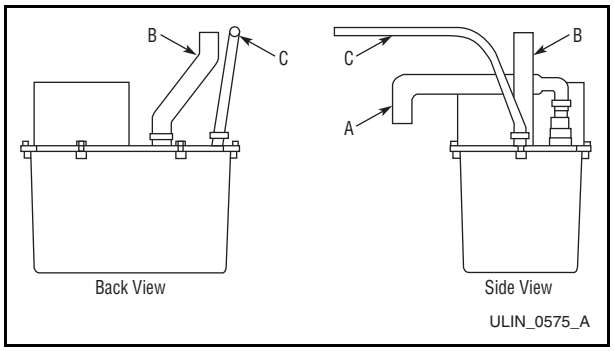


Figure 68

5. Place a suitable container beneath the pump's discharge tube. (The bucket must be able to hold a minimum of one gallon.)
6. Plug the ice maker power cord into a properly grounded, polarized electrical outlet.
7. Verify pump operation by pouring one gallon of water into the ice storage bin of the ice maker. The pump should energize and pump the water into the container.
8. At this time, verify that all tube and clamp connections are tight and leak free.

9. Unplug unit power cord from electrical outlet.
10. Reinstall back panel.

To connect to drain:

1. Attach the 5/8" ID drain connection on the back of the unit to a 5/8" OD rigid tube, using a worm clamp.
2. Attach the other end of the rigid tube to your 5/8" ID drain line with a worm clamp.
3. Insulate the drain line, if necessary, to prevent condensation.

LOCALLY-INSTALLED DRAIN PUMP

If a gravity drain connection is not possible, and you have not purchased the CLR2160 with factory-installed pump, we strongly recommend the use of the U-Line P60 drain pump. The U-Line P60 drain pump is available through your dealer, or direct from U-Line with complete installation instructions. If a pump other than the U-Line P60 drain pump is to be used, it must meet the following specifications:

- It must be UL listed and have a UL listed, 120 VAC, 3-wire grounded power cord.
- It must have overall maximum outside dimensions of 8-3/4" wide x 5-3/4" deep x 7-3/4" high.
- It must have a minimum flow rate of 15 gallons per hour at 10 feet of lift.
- It must have a sealed sump which does not allow water leakage in the case of a power outage, restricted drain or pump failure.
- It must have a check valve in the discharge line to prevent waste water return to the pump.
- It must have an overflow protection control which will shut off power to the ice maker in the event of a pump failure.
- It must have an operating temperature range of 50°F to 110°F (10°C to 40°C).

U-CLR DRAIN KIT (AVAILABLE FOR PURCHASE)

Tools Required

- 1/4" Nut driver or flat 5/16" screwdriver
- Side cutter
- Copper tubing cutter
- 12" Level
- 9/16" Open end wrench
- 7/16" Open end wrench
- Pliers

Materials Required

- (10' or more depending on water supply location) 1/4" O.D. soft copper tubing
- **(10' or more depending on drain location) 5/8" I.D. braid reinforced PVC drain tubing
- **(3) 11/16" to 1-1/4" Clamp range worm drive hose clamps
- **(1) Brass garden hose fitting (supplied with product)
- **(1) Nylon barbed coupling for 5/8" ID hose
- **(1) 5/8" to 7/8" adapter

** Depending on your model, your unit may have been packaged with these items. If you need to order these items, please contact U-Line and order Part # U-CLRDRAINKIT.

NOTE: These instructions are based on the U-Line recommendations and common industry practice. You must consult your local plumbing codes to ensure compliance. U-Line requires the use of copper cold water supply connection tubing. Plastic tubing should not be used.

1. Locate the desired cold water supply location. Attach a 1/4" copper line to this location and route the tubing to the appliance. Leave approximately 8' of water line to be coiled behind the appliance as shown **(Figure 69)**. This water line should be looped into 2 coils. This will allow the line to flex when moving the appliance in and out of the opening.

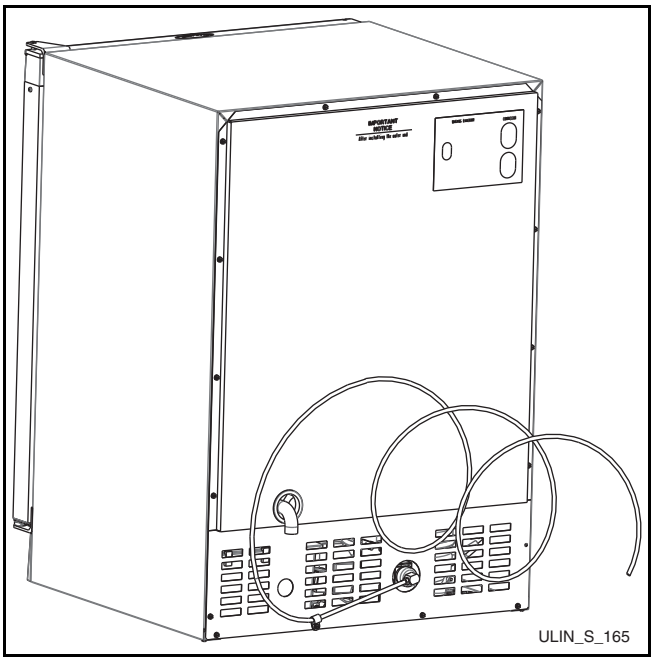


Figure 69

2. Locate the U-Line supplied garden hose fitting. Ensure the end of the copper tubing has been cut straight and is free of burrs. Slide the compression nut and ferrule onto the copper tubing as shown **(Figure 70)**. Push the assembly completely into the garden hose fitting and tighten using the two wrenches. Wait to connect this assembly to the appliance until the drain connection is ready.

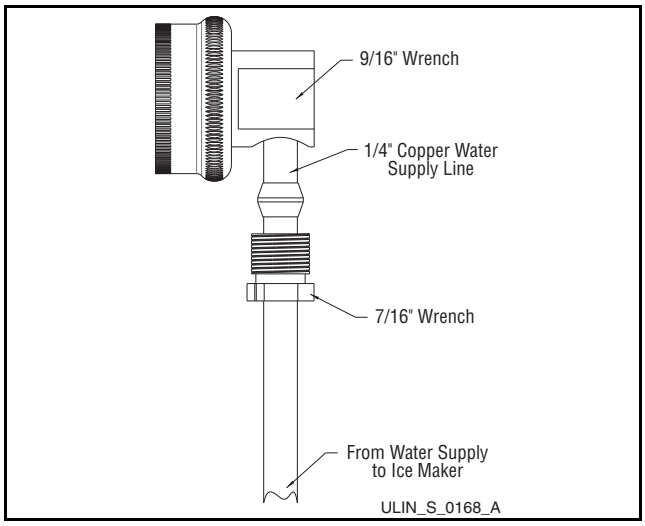


Figure 70

3. Your U-Line icemaker requires a drain connection. This unit can be purchased with or without a factory-installed drain pump. **If a pump is not installed in the appliance you must use the gravity drain style installation** OR install a pump per the installation instructions found on www.U-Line.com.
4. Slide two hose clamps onto the drain connection on the rear of the appliance. Insert the barbed fitting half-way into this connection. On the other end of the barbed fitting attach the 5/8" braided tubing. Slide a clamp onto each side of the barbed fitting as shown **(Figure 71 & 70)**.

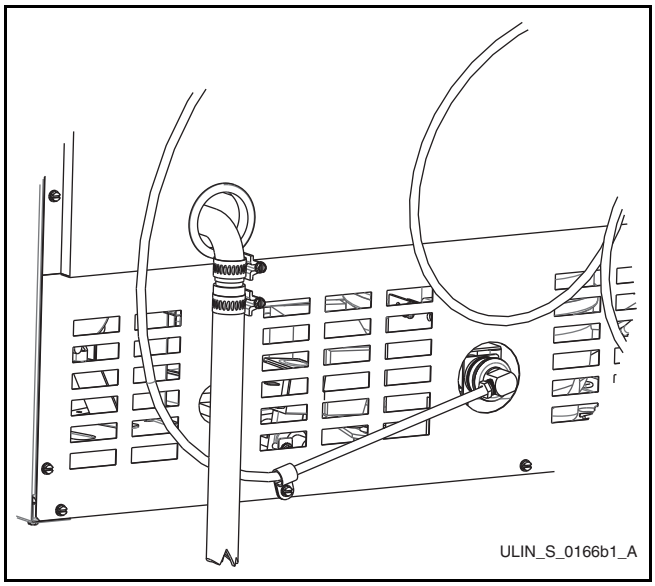


Figure 71

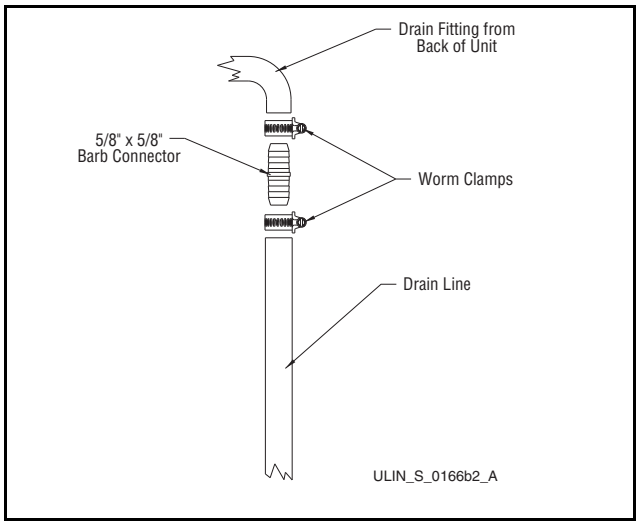


Figure 72

5. Determine the location of your drain and begin to route the drain tubing in that direction. If using the gravity drain option you must provide 1/4" drop every foot of line. For drain pump application you must not go higher than 10 feet of lift. The lift should be made vertically at the beginning of the drain line. After the lift try and provide 1/4" drop every foot of line to the drain location.
6. Connect the water supply fitting by screwing the brass garden hose fitting to the water valve in the rear of the unit. Tighten this fitting with a pliers. Do not use Teflon tape or joint compound on the fitting. The rubber washer provides an adequate seal. Other materials could cause blockage of the valve. The copper water line should now be clamped to the rear of the unit to prevent rotation when sliding in. Remove the clamp from the unit, slide the tube into it and reattach using the 1/4" nut driver as shown **(Figure 71 and 70)**.
7. Plug in the unit and put the unit into OFF mode by holding the power key for 10 seconds. Not doing this will cause the unit to fill with water for three minutes.
8. Turn on the water supply and ensure the connections are free of leaks.
9. Begin to push the appliance into the desired cabinet opening. The copper tubing should remain in two coils behind the unit. While pushing the unit into the opening continuously reroute the drain tube to avoid kinks. The most common installation pulls the slack into an adjacent cabinet or basement area. Again, if installing a gravity drain, ensure you provide proper slope

10. Once pushed completely into the opening finish routing the drain tubing to the desired location. Common installations use a floor drain, standpipe, garbage disposal, or Y-branch tailpiece-type drain connection **(Figure 73 - 76)**. After the installation is complete, check the unit to ensure it is level both side to side and front to back. For disposal connections an optional adapter may be required (included with the kit) to adapt from the 7/8" connection.
11. For the gravity/floor drain or the standpipe drains it is important to secure the drain tubing to those items to prevent it from coming loose. For the disposal or
    Y-branch tailpiece connections press the drain tube over the barbed end on the connector. Make sure the knockout inside the tailpiece has been removed for both types of connections. Attach these two with a worm drive hose clamp. Depending on the size of the
    Y-branch or disposer fitting an adapter may be needed to interface between the 5/8" hose and connection.
12. After all connections have been completed turn the unit to the ON position. Pour one gallon of water into the ice bin and check all drain connections for leaks. During this time also ensure that the water flows from the bin. If the water does not flow from the bin there may be a problem with the drain connection such as kinks or improper slope. If your unit has a drain pump an indicator of P1 on the display will alert to a slow or clogged drain. If any problems are found, retrace the drain connection, correct the issue and retest with water.

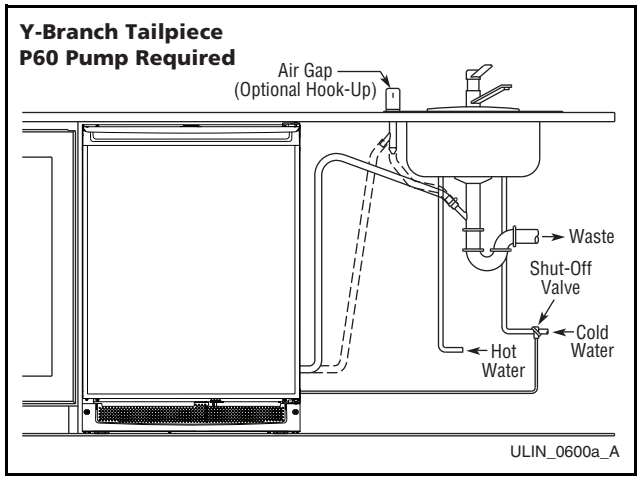


Figure 73

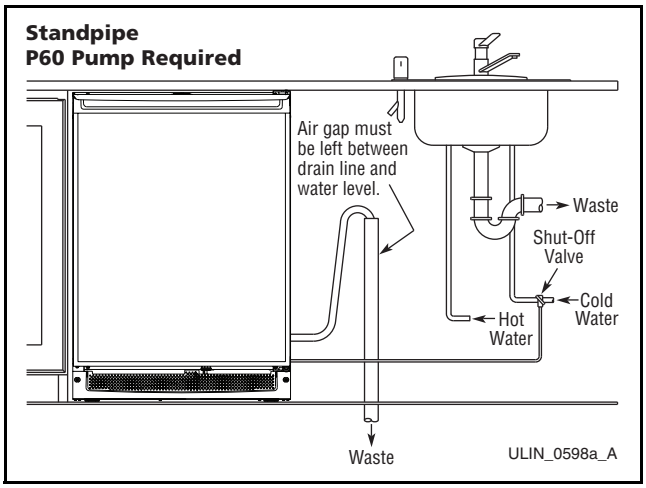


Figure 74

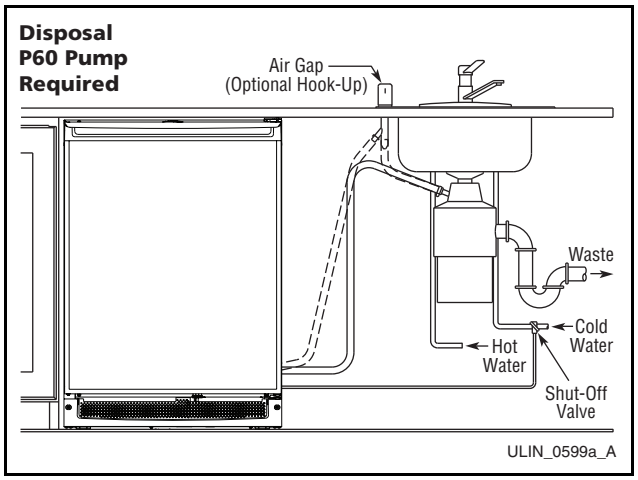


Figure 75

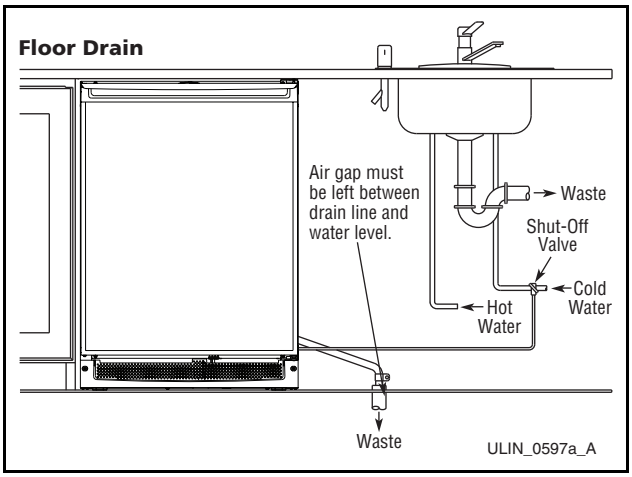


Figure 76

WATER SUPPLY CONNECTION

When connecting the water supply, follow these guidelines:

- Review the local plumbing codes before you install the unit.
- Connect to the cold water supply.
- The water pressure should be between 20 and 120 psi.
- The water line MUST have a shut-off valve in the 1/4" O.D. supply line.
- Leave approximately 8' of water line to be coiled behind the appliance (**Figure 77**). The water line should be looped into 2 coils. This will allow the unit to be removed for cleaning and servicing. However, make certain that the tubing is not pinched or damaged during installation.

IMPORTANT

U-Line recommends the use of copper tubing for installation or using flexible water supply kit from U-Line, Part No. WATERHOOKUP.

If using the flexible water supply kit, follow the instructions included with the kit.

To connect to 1/4" copper line water supply:

1. Locate the desired cold water supply location. Attach a 1/4" copper line to this location and route the tubing to the appliance. Leave approximately 8' of water line to be coiled behind the appliance. The water line should be looped into 2 coils. This will allow the line to flex when removing the unit for cleaning and servicing (**Figure 77**).

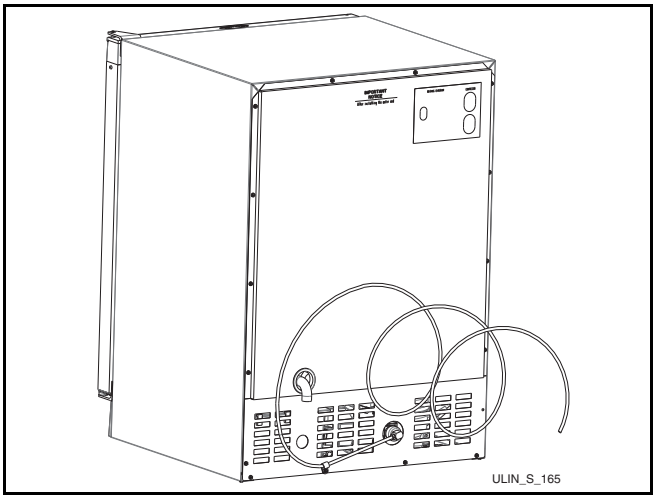


Figure 77

2. Locate the U-Line supplied garden hose fitting. Ensure the end of the copper tubing has been cut straight and free of burrs. Slide the compression nut and ferrule onto the copper tubing as shown (**Figure 78**). Push the assembly completely into the the garden hose fitting and tighten using the two wrenches. Wait to connect this assembly to the appliance until the drain connection is ready.

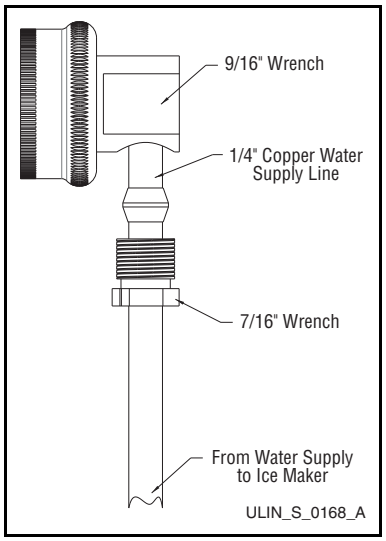


Figure 78

PARTS LISTING

How to Order Replacement Parts

1. Refer to Service Parts and locate the illustration(s) for the model you are servicing.
2. Locate the desired part to be serviced and note the item number assigned to it.
3. Locate the item number within the parts list. Note the full description and the corresponding part number. If this is for a warranty unit, indicate and record the model and serial numbers.
4. When ordering parts, it will be necessary to supply Model Number, Serial Number, Part Number, Part Description and in some cases Color or Voltage.
5. U-Line requires the return of the parts listed below if replaced under warranty.

All warranty parts will be shipped at no charge as long as warranty status has been confirmed. We require that some parts be returned to U-line, so we may return them to our vendor. It will be noted on your packing list if we require you to return a part or if you may field scrap it. If U-Line requires a defective part to be returned, a prepaid shipping label will be included with your new replacement part. When returning parts enclose a copy of your packing list and a copy of your labor claim, showing the model and serial number, and tag or label the part with the nature of the defect.

Our warranty records may not match the customer's information. In this case, a proof of purchase will be required. If you do not have the proof of purchase at the time the order is placed, the part will be sent net 15 days, charged to a Visa or MasterCard or COD if you don't have an open account with U-Line Corporation. When the proof of purchase is provided, we will credit your credit card or U-Line account (a check will be sent if the part was sent COD).

6. Parts may be ordered on-line, by FAX or phone:

www.U-LineService.com

onlineparts@u-line.com

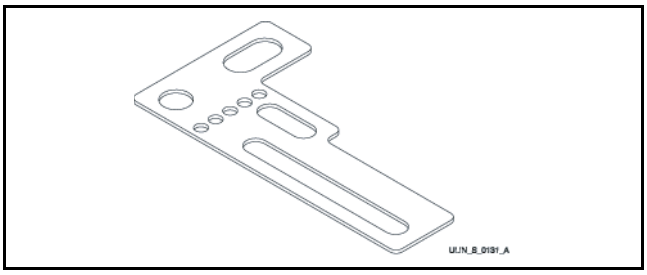
FAX Number (414) 354-7905

Phone Number (414) 354-0300 or (800) 779-2547

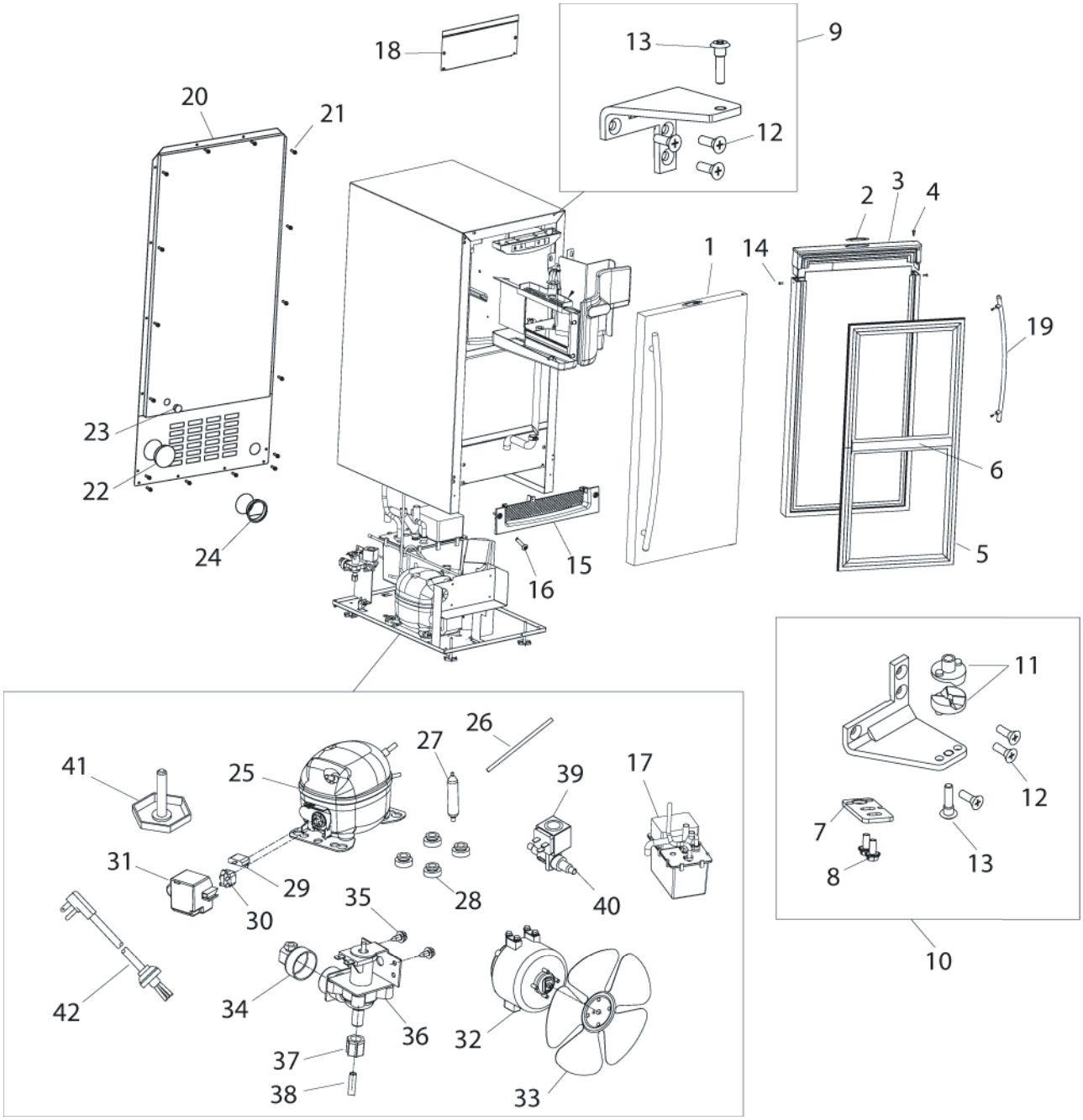
REPLACEMENT PARTS: Use only genuine U-Line replacement parts. The use of non-U-Line parts can reduce ice rate, cause water to overflow from ice maker mold, damage the unit, and can void the warranty.

ANTI-TIP KIT

Anti-Tip Kit, Part No. 80-16005-01 (BLK) or 80-16005-02 (SS), is available for all models. Kit includes two brackets.



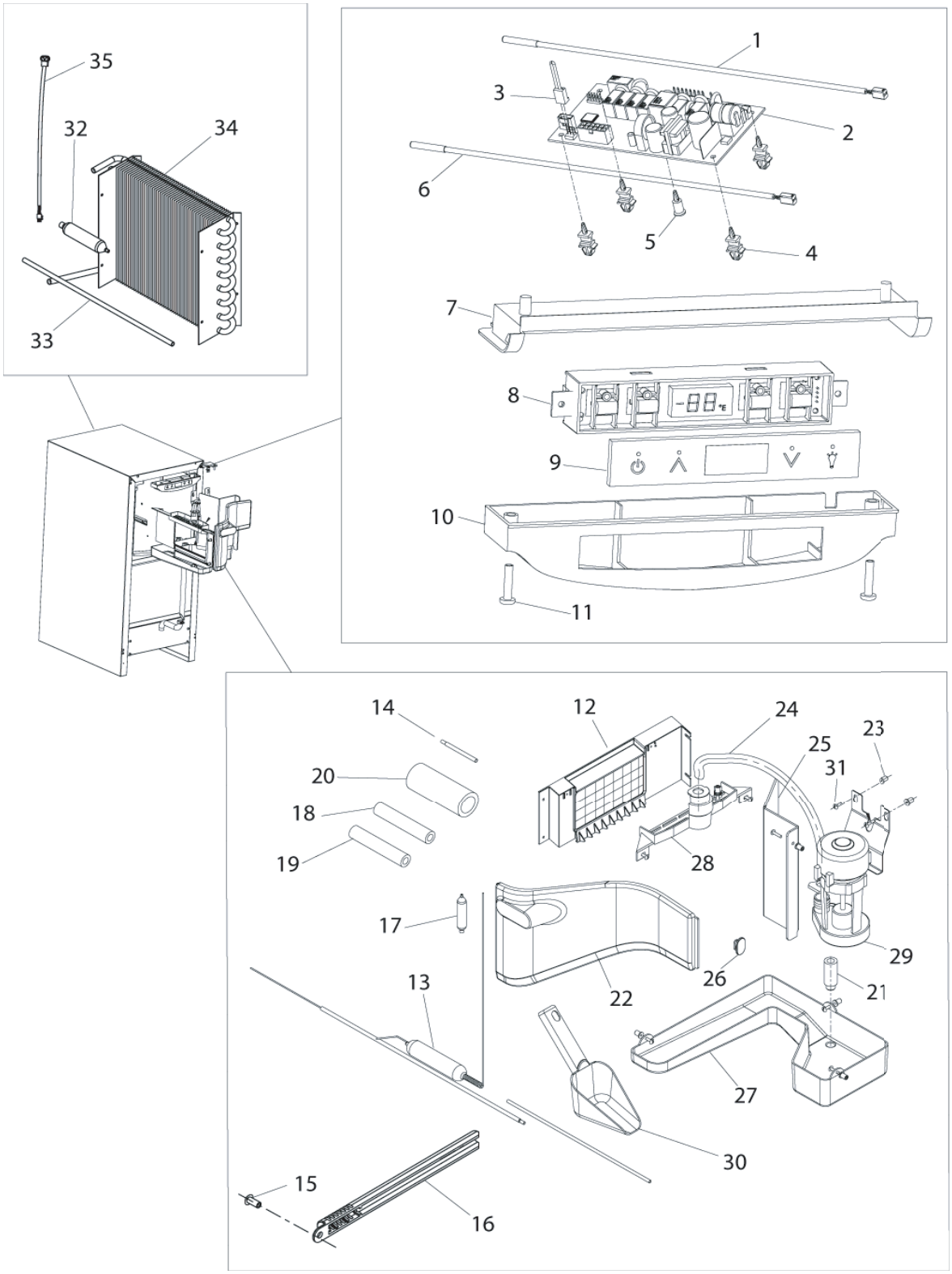
CLR2160 (1 of 2)



CLR2160 (1 of 2)

Item	Part No. Black	Part No. White	Part No. Stainless Steel	Description
1	80-17071-01	80-17071-02	80-17071-03	Door Assembly, RH
	N/A	N/A	80-17071-13	Door Assembly, LH
2	23025	23025	23025	Nameplate
3	26071-01-S	26071-02-S	N/A	Handle Assembly
4	42173-BLK	42173-NAT	N/A	Hole plug (included with handle assembly)
5	12094-04-S	12094-06-S	12094-05-S	Gasket, door
6	12095-04	12095-06	12095-05	Gasket, center (included with gasket assembly)
7	11901-1-BLK-S	11901-1-BLK-S	11994-BLK-S	Pivot plate
8	42161-ZP	42161-ZP	42161-ZP	Screw
9	11898-S-BLK	11898-S-KIT	11995-S-SS	Hinge Assembly, top
10	11899-S-BLK	11899-S-KIT	11996-S-SS	Hinge Assembly, bottom
11	31673-S	31673-S	31673-S	Door Closer Assembly
12	42101-BLK	42101-ZP	42101-SS	Screw, hinge (included with hinge assembly)
13	42096	42096	42096	Pivot post (included with hinge assembly)
14	41604	41725	N/A	Screw, handle (included with handle assembly)
15	80-29012-01	80-29012-02	80-29012-03	Grille
16	20033-BLK	20033-ZP	20033-ZP	Screw (included with grille)
17	P-60	P-60	P-60	Waste Water Pump Kit
18	14132-BLK	14132-KIT	14132-SS	Front panel (board access)
19	N/A	N/A	14160-01	Towel Bar Handle Assembly
20	11964-02	11964-02	11964-02	Back panel
21	41342	41342	41342	Screw, back panel
22	42125	42125	42125	Cover, solid hole
23	N/A	N/A	N/A	Cover, perforated hole
24	41955	41955	41955	Bushing, black
25	70081-S	70081-S	70081-S	Compressor, EMY70HER
26	2819	2819	2819	Process tube (included with 70081-S)
27	2693	2693	2693	Dryer (included with 70081-S)
28	31021	31021	31021	Grommet (included with 70081-S)
29	71027	71027	71027	Overload (included with 70081-S)
30	71028	71028	71028	Relay (included with 70081-S)
31	70081-CAP	70081-CAP	70081-CAP	Cover (included with 70081-S)
32	5300	5300	5300	Fan motor, condenser
33	5303	5303	5303	Fan blade, condenser
34	41826	41826	41826	Fitting, water line, 90°
35	42114	42114	42114	Screw, water valve
36	2716-1	2716-1	2716-1	Water valve
37	41254	41254	41254	Compression nut (included with 404-CLR60
38	404-CLR60	404-CLR60	404-CLR60	Water line
39	73002-2	73002-2	73002-2	Coil only, Danfoss
40	73002-1-S	73002-1-S	73002-1-S	Hot Gas Bypass Assembly (includes dryer and process tube)
41	41319	41319	41319	Foot, leveler
42	2949	2949	2949	Power cord
Not Shown	N/A	N/A	12091	Bushing, top pivot post

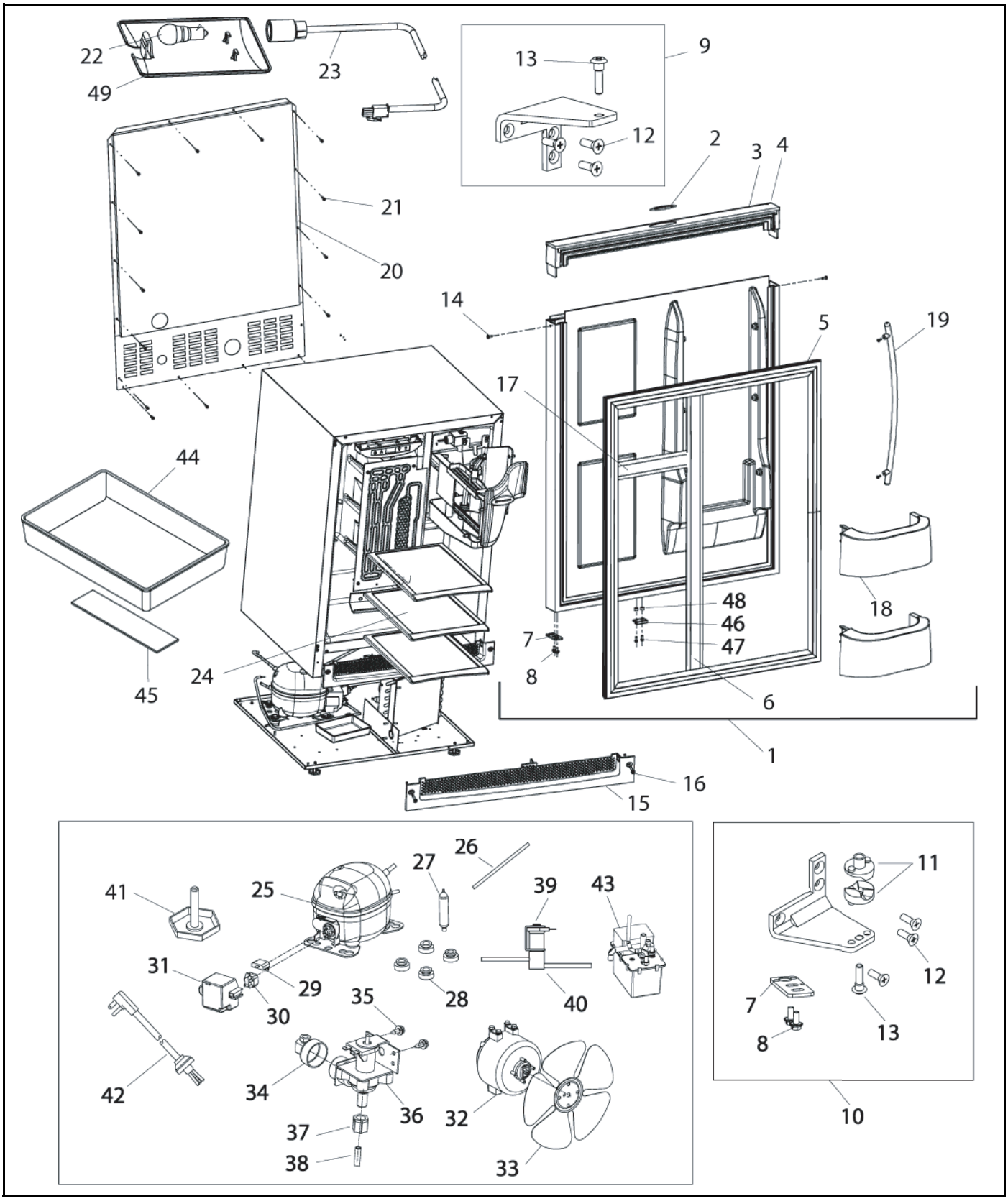
CLR2160 (2 of 2)



CLR2160 (2 of 2)

Item	Part No. Black	Part No. White	Part No. Stainless Steel	Description
1	68092	68092	68092	Thermistor, white
2	68072-S	68072-S	68072-S	Circuit Board Assembly
3	68080	68080	68080	Switch jumper (included with 68072-S)
4	41992	41992	41992	Support, circuit board (included with 68072-S)
5	41993	41993	41993	Support, circuit board (included with 68072-S)
6	68093	68093	68093	Liquid Line Thermistor, black
7	26086	26086	26086	Liner, baseplate
8	68074	68074	68074	Display Assembly, Echelon
9	68059-01	68059-01	68059-01	Display glass, Echelon control
10	26089	26089	26089	Housing, display
11	42162	42162	42162	Screw, 8-18 x .75, plastite
12	2276-S	2276-S	2276-S	Evaporator Assembly
13	2725-S	2725-S	2725-S	Heat Exchanger (included with 2276-S)
14	2819	2819	2819	Process tube (included with 2276-S)
15	31434-1	31434-1	31434-1	Push rivet, thermistor cover
16	26091	26091	26091	Cover, thermistor
17	2850	2850	2850	Dryer (included with 2276-S)
18	31154	31154	31154	Armaflex, 3/8" ID (included with 2276-S)
19	31410	31410	31410	Armaflex, 5/8" OD (included with 2276-S)
20	31636	31636	31636	Armaflex, 1-5/8" ID (included with 2276-S)
21	31619	31619	31619	Stand pipe
22	11868	11868	11868	Front cover
23	41979	41979	41979	Well Nut (included with 31613-S)
24	31615-S	31615-S	31615-S	Pre-formed white tube
25	11893	11893	11893	Cover, circulation pump
26	42011	42011	42011	Hanger, ice scoop
27	11813	11813	11813	Water Trough with Drain Tube Assembly
28	11812-S	11812-S	11812-S	Water Dispersion Receptacle
29	31613-S	31613-S	31613-S	Circulation Pump Assembly
30	31614	31614	31614	Ice Scoop
31	41981	41981	41981	Screw (included with 31613-S)
32	2693	2693	2693	Dryer (included with 2269-S)
33	2819	2819	2819	Process tube (included with 2269-S)
34	2269-S	2269-S	2269-S	Condenser Assembly
35	2892-02	2892-02	2892-02	Wire Assembly Pump(to power cord)
Not Shown	41978	41978	41978	U-Line Cleaner (6 applications per order)
Not Shown	N/A	N/A	14159-01	Commercial handle (SS Accessory only)

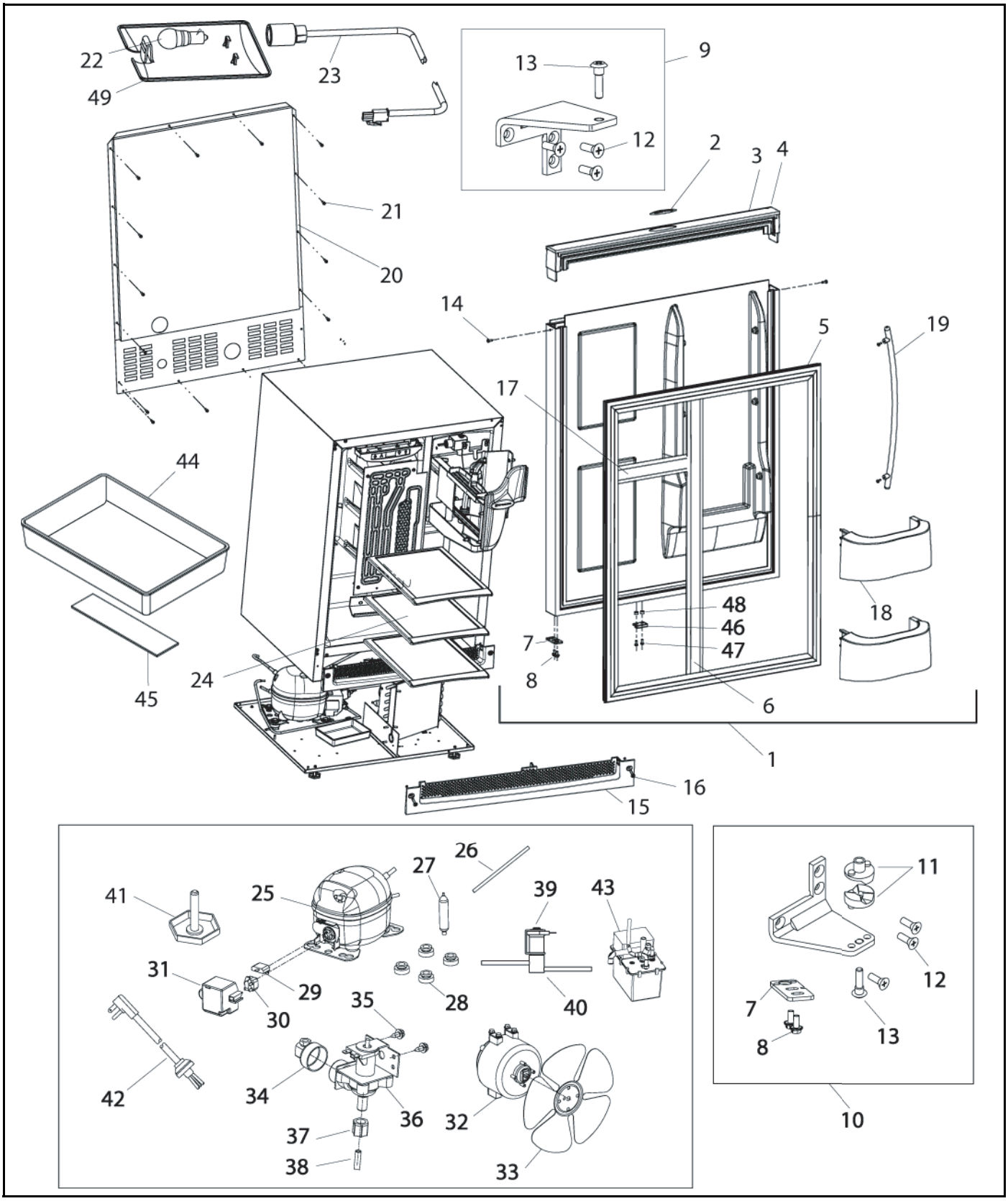
CLRCO2175 (1 of 4)



CLRCO2175 (1 of 4)

Item	Part No. Black	Part No. White	Part No. Stainless Steel	Description
1	80-17072-01	80-17072-02	80-17072-03	Door Assembly, RH
	N/A	N/A	80-17072-13	Door Assembly, LH
2	23025	23025	23025	Nameplate
3	26070-01-S	26070-02-S	N/A	Handle Assembly
4	42173-BLK	42173-NAT	N/A	Hole plug (included with handle assembly)
5	12094-01	12094-03	12094-02	Gasket, door
6	12095-07	12095-08	12095-09	Gasket, vertical
7	11901-1-BLK-S	11901-1-BLK-S	11994-BLK-S	Pivot plate
8	42161-ZP	42161-ZP	42161-ZP	Screw, pivot plate
9	11898-S-BLK	11898-S-KIT	11995-S-SS	Hinge Assembly, top
10	11899-S-BLK	11899-S-KIT	11996-S-SS	Hinge Assembly, bottom
11	31673-S	31673-S	31673-S	Door Closer Assembly
12	42101-BLK	42101-ZP	42101-SS	Screw, hinge (included with hinge assembly)
13	42096	42096	42096	Pivot post (included with hinge assembly)
14	41604	41725	N/A	Screw, handle (included with handle assembly)
15	80-29010-01	80-29010-02	80-29010-03	Grille
16	20033-BLK	20033-ZP	20033-ZP	Screw (included with grille)
17	12095-01	12095-03	12095-02	Gasket, horizontal
18	31690	31690	31690	Door Shelf
19	N/A	N/A	14160-01	Towel Bar Handle Assembly
20	11969-02	11969-02	11969-02	Back panel
21	41342	41342	41342	Screw, back panel
22	31317	31317	31317	Light bulb, 10W, 120V
23	2891-01	2891-01	2891-01	Light Socket Assembly
24	31696	31696	31696	Shelf
25	70078-S	70078-S	70078-S	Compressor
26	2819	2819	2819	Process tube (included with 70078-S)
27	2693	2693	2693	Dryer (included with 70078-S)
28	31021	31021	31021	Grommet (included with 70078-S)
29	71011	71011	71011	Overload (included with 70078-S)
30	71012	71012	71012	Relay (included with 70078-S)
31	70078-CAP	70078-CAP	70078-CAP	Cover (included with 70078-S)
Not Shown	41978	41978	41978	U-Line Cleaner (6 applications per order)
Not Shown	N/A	N/A	14159-01	Commercial handle (SS accessory only)

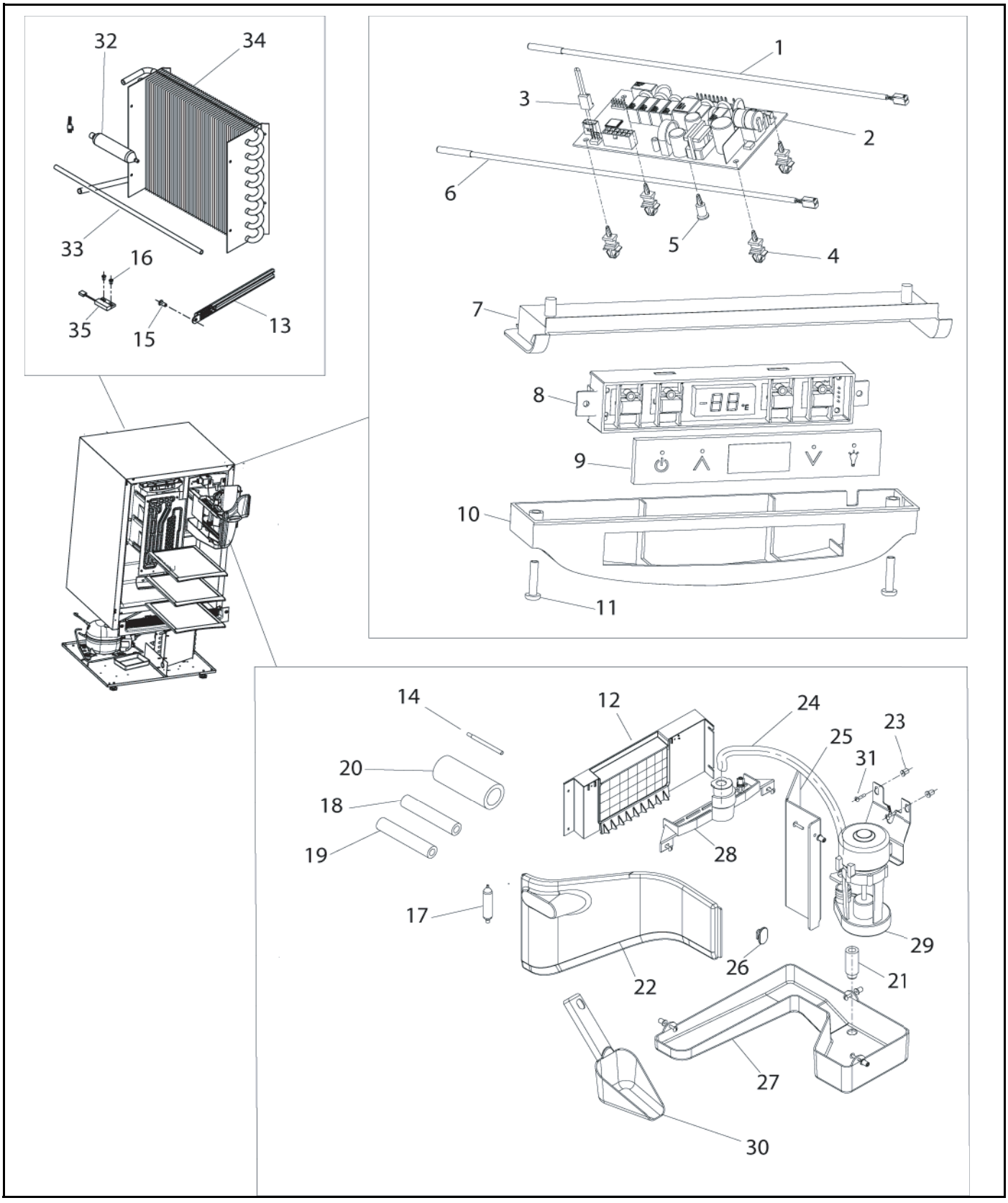
CLRCO2175 (2 of 4)



CLRCO2175 (2 of 4)

Item	Part No. Black	Part No. White	Part No. Stainless Steel	Description
32	5300	5300	5300	Fan motor, condenser
33	5303	5303	5303	Fan blade, condenser
34	41826	41826	41826	Fitting, water line, 90°
35	42114	42114	42114	Screw, water valve
36	2716	2716	2716	Water valve
37	41254	41254	41254	Compression nut (included with water line)
38	41223-05	41223-05	41223-05	Water line
39	73001-S	73001-S	73001-S	Coil only, Parker
40	73000-S	73000-S	73000-S	Hot Gas Bypass Assembly (includes dryer and process tube)
41	41319	41319	41319	Foot, leveler
42	2947	2947	2947	Power cord
43	P-60	P-60	P-60	Waste Water Pump Kit
44	31550-1-S	31550-1-S	31550-1-S	Drain Pan Assembly
45	31664	31664	31664	Tape (included with #44)
46	66016	66016	66016	Magnet
47	20050	20050	20050	Screw, spacer
48	66019	66019	66019	Spacer, magnet
49	11859	11859	11859	Lens, light housing
Not Shown	N/A	N/A	12091	Bushing, top pivot post

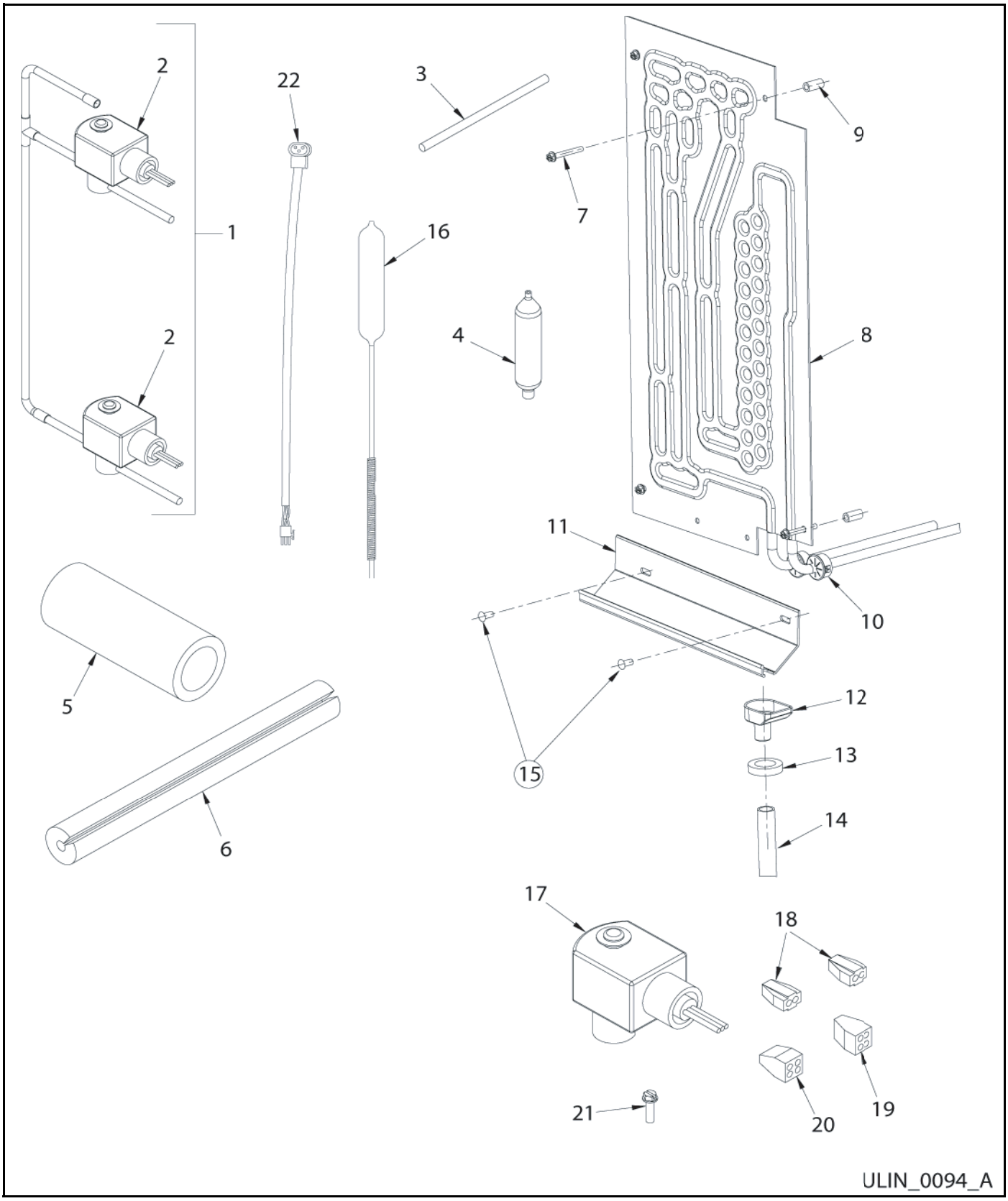
CLRCO2175 (3 of 4)



CLRCO2175 (3 of 4)

Item	Part No. Black	Part No. White	Part No. Stainless Steel	Description
1	68092	68092	68092	Thermistor, white
2	68072-S	68072-S	68072-S	Circuit Board Assembly
3	68080	68080	68080	Switch jumper (included with 68072-S)
4	41992	41992	41992	Support, circuit board (included with 68072-S)
5	41993	41993	41993	Support, circuit board (included with 68072-S)
6	68093	68093	68093	Liquid Line Thermistor, black
7	26086	26086	26086	Liner, baseplate
8	68074	68074	68074	Display Assembly, Echelon
9	68059-01	68059-01	68059-01	Display glass, Echelon control
10	26089	26089	26089	Housing, display
11	42162	42162	42162	Screw, 8-18 x .75, plastite
12	2276-CLRCO-S	2276-CLRCO-S	2276-CLRCO-S	Evaporator Assembly
13	26091	26091	26091	Cover, thermistor
14	2819	2819	2819	Process tube (included with 2276-CLRCO-S)
15	31434-1	31434-1	31434-1	Rivet, thermistor cover
16	20026	20026	20026	Screw, reed switch
17	2693	2693	2693	Dryer (included with 2276-CLRCO-S)
18	72000	72000	72000	Armaflex, 3/8" ID (included with 2276-CLRCO-S)
19	31410	31410	31410	Armaflex, 5/8" OD (included with 2276-CLRCO-S)
20	31636	31636	31636	Armaflex, 1-5/8" ID (included with 2276-CLRCO-S)
21	31619	31619	31619	Stand pipe
22	12070-01	12070-01	12070-01	Front cover
23	41979	41979	41979	Well Nut (included with 31613-S)
24	31615-S	31615-S	31615-S	Pre-formed white tube
25	12057-01	12057-01	12057-01	Cover, circulation pump
26	42011	42011	42011	Hanger, ice scoop
27	12068-01	12068-01	12068-01	Water Trough with Drain Tube Assembly
28	11812-S	11812-S	11812-S	Water Dispersion Receptacle
29	31613-S	31613-S	31613-S	Circulation Pump Assembly
30	31614	31614	31614	Ice Scoop
31	41981	41981	41981	Screw (included with 31613-S)
32	2693	2693	2693	Dryer (included with 2269-S)
33	2819	2819	2819	Process tube (included with 2269-S)
34	2269-S	2269-S	2269-S	Condenser Assembly
35	66010	66010	66010	Reed Switch

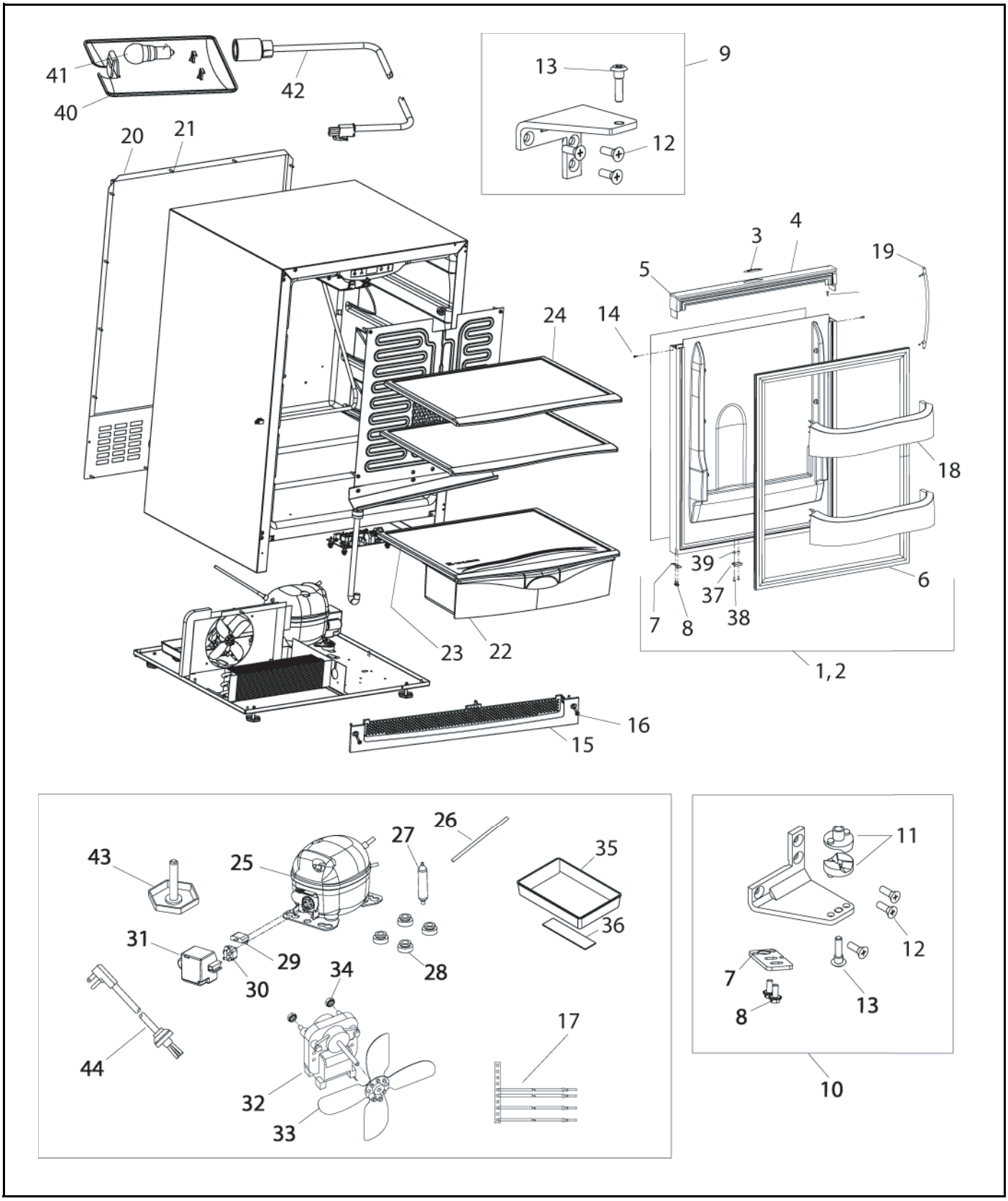
CLRCO2175 (4 OF 4)



CLRCO2175 (4 of 4)

Item	Part No. Black	Part No. White	Part No. Stainless Steel	Description
1	80-37005-00-S	80-37005-00-S	80-37005-00-S	Valve Manifold Assembly (includes dryer and process tube)
2	73004	73004	73004	Bypass Valve (included with 80-37005-00-S)
3	2819	2819	2819	Process tube (included with 80-37005-00-S)
4	2693	2693	2693	Dryer (included with 80-37005-00-S)
5	31636	31636	31636	Armaflex (included with 80-37005-00-S)
6	75000	75000	75000	Armaflex, split (included with 80-37005-00-S)
7	41855	41855	41855	Screw
8	2878-02-S	2878-02-S	2878-02-S	Refrigerator Evaporator (includes dryer and process tube)
9	31213	31213	31213	Spacer, evaporator
10	31386-02	31386-02	31386-02	Bushing
11	31391-5	31391-5	31391-5	Drain trough
12	26008	26008	26008	Funnel drain cup
13	31578	31578	31578	Washer, drain tube
14	31731	31731	31731	Formed drain tube
15	31434-1	31434-1	31434-1	Rivet, white, large
16	72006-S	72006-S	72006-S	Heat Exchanger (includes dryer and process tube)
17	BF4CO5-S	BF4CO5-S	BF4CO5-S	Refrigeration Coil Assembly (includes 2 coils)
18	66013	66013	66013	Connector, 2 port, yellow (included with BF4CO5-S)
19	66014	66014	66014	Connector, 4 port, green (included with BF4CO5-S)
20	66015	66015	66015	Connector, 4 port, orange (included with BF4CO5-S)
21	41342	41342	41342	Screw (included with BF4O5-S)
22	2892-02	2892-02	2892-02	Wire Assembly Pump to Power Cord

2175R (1 of 2)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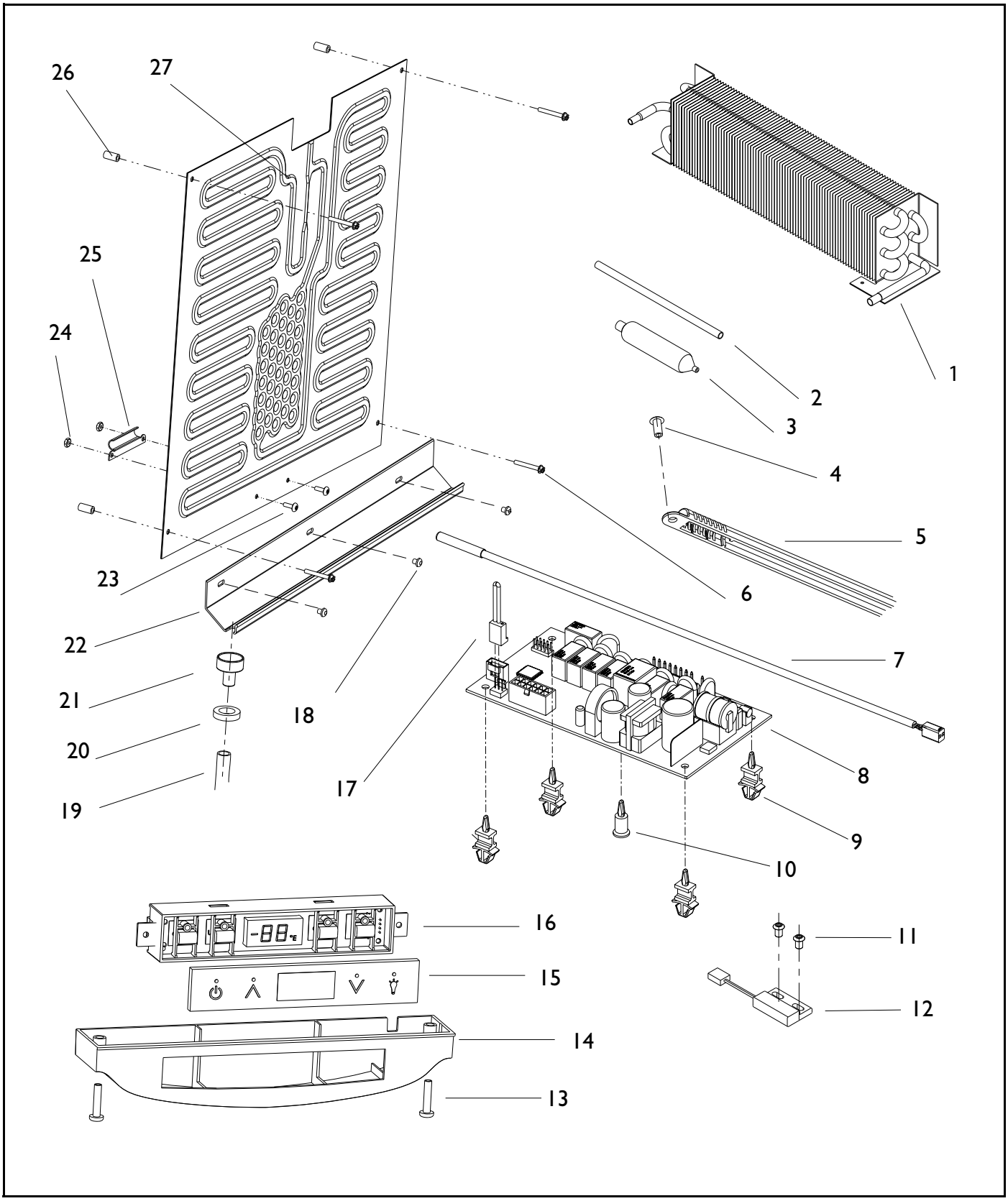
2175R (1 of 2)

Item	Part No. Black	Part No. White	Part No. Stainless Steel	Description
1	80-17060-01	80-17060-02	80-17075-01	Door Assembly, RH
2	N/A	N/A	80-17075-02	Door Assembly, LH
3	23025	23025	23025	Nameplate
4	26070-01-S	26070-02-S	N/A	Handle Assembly
5	42173-BLK	42173-NAT	N/A	Hole plug (included with handle assembly)
6	12094-01	12094-03	12094-02	Gasket, door
7	11901-1-BLK-S	11901-1-BLK-S	11994-BLK-S	Pivot plate
8	42161-ZP	42161-ZP	42161-ZP	Screw, pivot plate
9	11898-S-BLK	11898-S-KIT	11995-S-SS	Hinge Assembly, top
10	11899-S-BLK	11899-S-KIT	11996-S-SS	Hinge Assembly, bottom
11	31673-S	31673-S	31673-S	Door Closer Assembly
12	42101-BLK	42101-ZP	42101-SS	Screw, hinge (included with hinge assembly)
13	42096	42096	42096	Pivot post (included with hinge assembly)
14	41604	41725	N/A	Screw, handle (included with handle assembly)
15	80-29010-01	80-29010-02	80-29010-03	Grille
16	20033-BLK	20033-ZP	20033-ZP	Screw (included with grille)
17	2945	2945	2945	Jumper wire, power cord
18	31686	31686	31686	Door Shelf
19	N/A	N/A	14160-01	Towel Bar Handle Assembly
20	11969	11969	11969	Back panel
21	41342	41342	41342	Screw, back panel
22	31685	31685	31685	Crisper drawer
23	40021	40021	40021	Crisper shelf
24	40020	40020	40020	Glass shelf
25	5400-S	5400-S	5400-S	Compressor
26	2800	2800	2800	Process tube (included with 5400-S)
27	2694	2694	2694	Dryer (included with 5400-S)
28	31021	31021	31021	Grommet (included with 5400-S)
29	5411	5411	5411	Overload (included with 5400-S)
30	5412	5412	5412	Relay (included with 5400-S)
31	5400-CAP	5400-CAP	5400-CAP	Cover (included with 5400-S)
32	5263-S	5263-S	5263-S	Fan motor, condenser
33	5188	5188	5188	Fan blade, condenser
34	41787	41787	41787	Nut (included with 5263-S)
35	31550-1-S	31550-1-S	31550-1-S	Drain Pan Assembly
36	31664	31664	31664	Tape (included with #35)
37	66016	66016	66016	Magnet
38	20050	20050	20050	Screw, magnet
39	66019	66019	66019	Spacer, nylon
40	11859	11859	11859	Lens, light housing
41	31317	31317	31317	Light bulb, 10W, 120V
42	2891-01	2891-01	2891-01	Light Socket Assembly
43	41319	41319	41319	Foot, leveler
44	2938-2	2938-2	2938-2	Power cord

2175R (2 of 2)

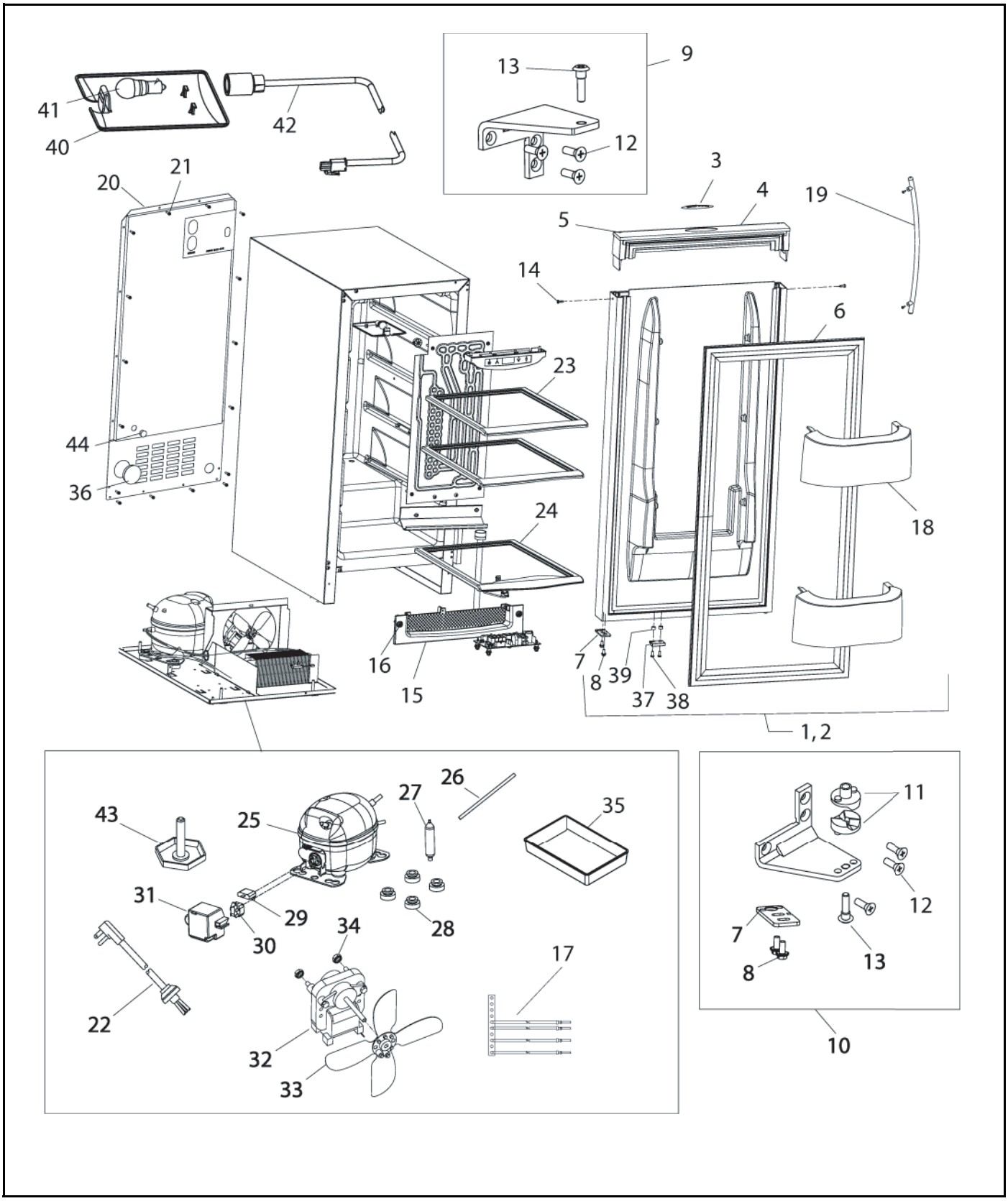


2175R (2 of 2)

Item	Part No. Black	Part No. White	Part No. Stainless Steel	Description
1	2303-S	2303-S	2303-S	Condenser Assembly**
2	2800	2800	2800	Process tube
3	2694	2694	2694	Dryer
4	31434-1	31434-1	31434-1	Rivet, thermistor cover
5	26091	26091	26091	Cover, thermistor
6	41855	41855	41855	Screw, Evaporator
7	68092	68092	68092	Thermistor, quick connect white
8	68072-S	68072-S	68072-S	Circuit Board Assembly
9	41992	41992	41992	Support, circuit board (included with 68072-S)
10	41993	41993	41993	Support, circuit board (included with 68072-S)
11	20026	20026	20026	Screw, reed switch
12	66010	66010	66010	Reed Switch
13	42162	42162	42162	Screw, 8-18 x .75, plastite
14	26089	26089	26089	Housing, display
15	68059-01	68059-01	68059-01	Display glass, Echelon control
16	68074	68074	68074	Display Assembly, Echelon
17	68080	68080	68080	Switch jumper (included with 68072-S)
18	21012-WHT	21012-WHT	21012-WHT	Rivet, white
19	31726	31726	31726	Formed drain tube
20	31578	31578	31578	Washer, drain tube
21	11508	11508	11508	Drain cup
22	31391-3	31391-3	31391-3	Drain trough
23	41156	41156	41156	Screw, stainless steel
24	41158	41158	41158	Nut
25	11835	11835	11835	Clamp, thermistor
26	31213	31213	31213	Spacer, Evaporator
27	2333-S	2333-S	2333-S	Evaporator Assembly**
Not Shown	N/A	N/A	12091	Bushing, top pivot post
Not Shown	N/A	N/A	14159-01	Commercial handle (SS accessory only)
Not Shown	2950-01	2950-01	2950-01	Wire connector, 12-pin

**Part Includes Dryer & Process Tube

2115R (1 of 2)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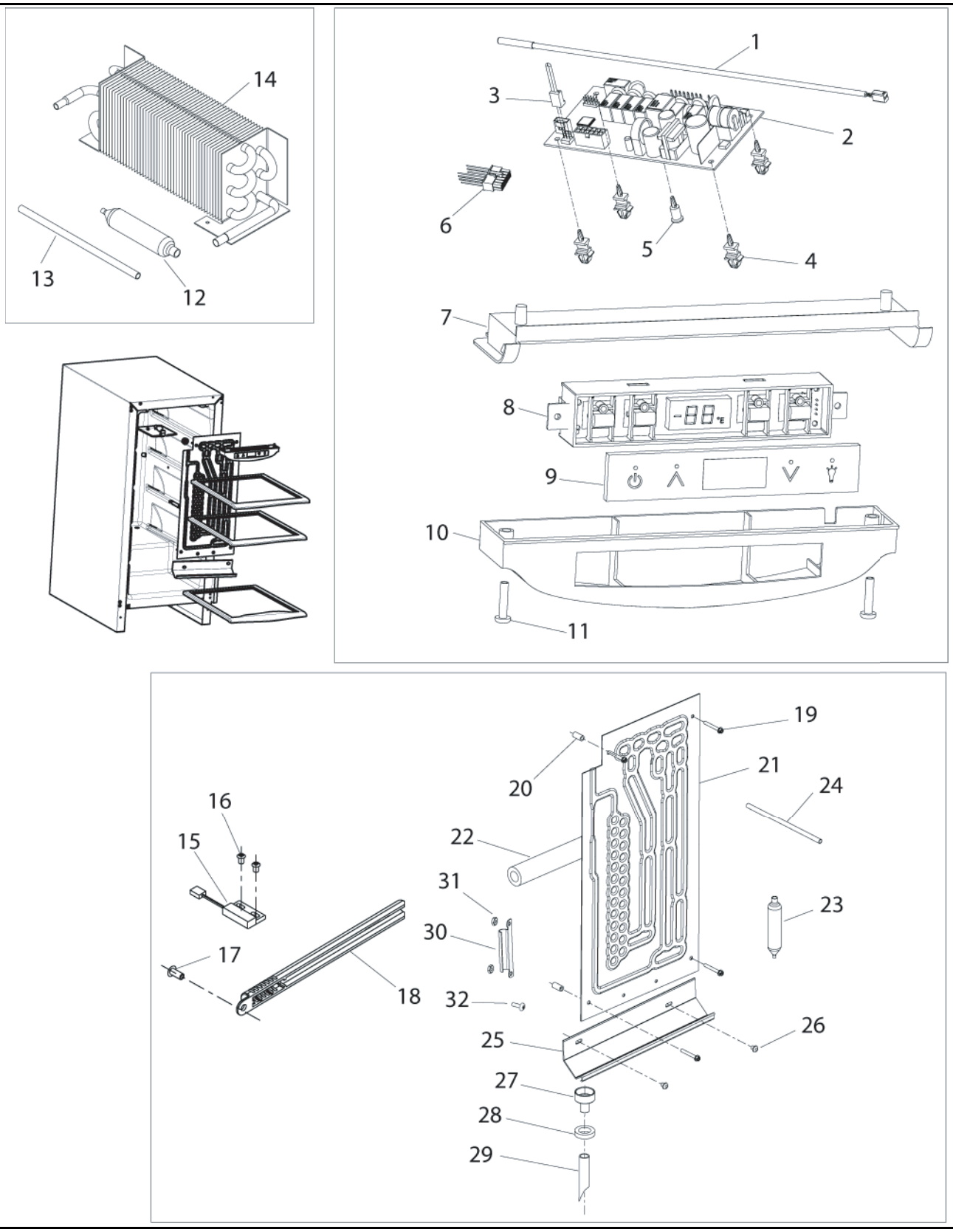
2115R (1 of 2)

Item	Part No. Black	Part No. White	Part No. Stainless Steel	Description
1	80-17064-01	80-17064-02	80-17080-01	Door Assembly, RH
2	N/A	N/A	80-17080-02	Door Assembly, LH
3	23025	23025	23025	Nameplate
4	26071-01-S	26071-02-S	N/A	Handle Assembly
5	42173-BLK	42173-NAT	N/A	Hole plug (included with handle assembly)
6	12094-04	12094-06	12094-05	Gasket, door
7	11901-1-BLK-S	11901-1BLK-S	11994-BLK-S	Pivot plate
8	42161-ZP	42161-ZP	42161-ZP	Screw, pivot plate
9	11898-S-BLK	11898-S-KIT	11995-S-SS	Hinge Assembly, top
10	11899-S-BLK	11899-S-KIT	11996-S-SS	Hinge Assembly, bottom
11	31673-S	31673-S	31673-S	Door Closer Assembly
12	42101-BLK	42101-ZP	42101-SS	Screw, hinge (included with hinge assembly)
13	42096	42096	42096	Pivot post (included with hinge assembly)
14	41604	41725	N/A	Screw, handle (included with handle assembly)
15	80-29012-01	80-29012-02	80-29012-03	Grille
16	20033-BLK	20033-ZP	20033-ZP	Screw (included with grille)
17	2945	2945	2945	Jumper wire, power cord
18	31690	31690	31690	Door Shelf
19	N/A	N/A	14160-01	Towel Bar Handle Assembly
20	11964-01	11964-01	11964-01	Back panel
21	41342	41342	41342	Screw, back panel
22	2938-2	2938-2	2938-2	Power cord
23	31704	31704	31704	Glass shelf, upper
24	31703	31703	31703	Glass shelf, lower
25	5400-S	5400-S	5400-S	Compressor
26	2800	2800	2800	Process tube (included with 5400-S)
27	2694	2694	2694	Dryer (included with 5400-S)
28	31021	31021	31021	Grommet (included with 5400-S)
29	5411	5411	5411	Overload (included with 5400-S)
30	5412	5412	5412	Relay (included with 5400-S)
31	5400-CAP	5400-CAP	5400-CAP	Cover (included with 5400-S)
32	5263-S	5263-S	5263-S	Fan motor, condenser
33	5188	5188	5188	Fan blade, condenser
34	41787	41787	41787	Nut (included with 5263-S)
35	31385	31385	31385	Drain Pan
36	42126	42126	42126	Hole cover, perforated
37	66016	66016	66016	Magnet
38	20050	20050	20050	Screw, magnet
39	66019	66019	66019	Spacer, nylon
40	11859	11859	11859	Lens, light housing
41	31317	31317	31317	Light bulb, 10W, 120V
42	2891-01	2891-01	2891-01	Light Socket Assembly
43	41319	41319	41319	Foot, leveler
44	42125	42125	42125	Hole cover, solid

2115R (2 of 2)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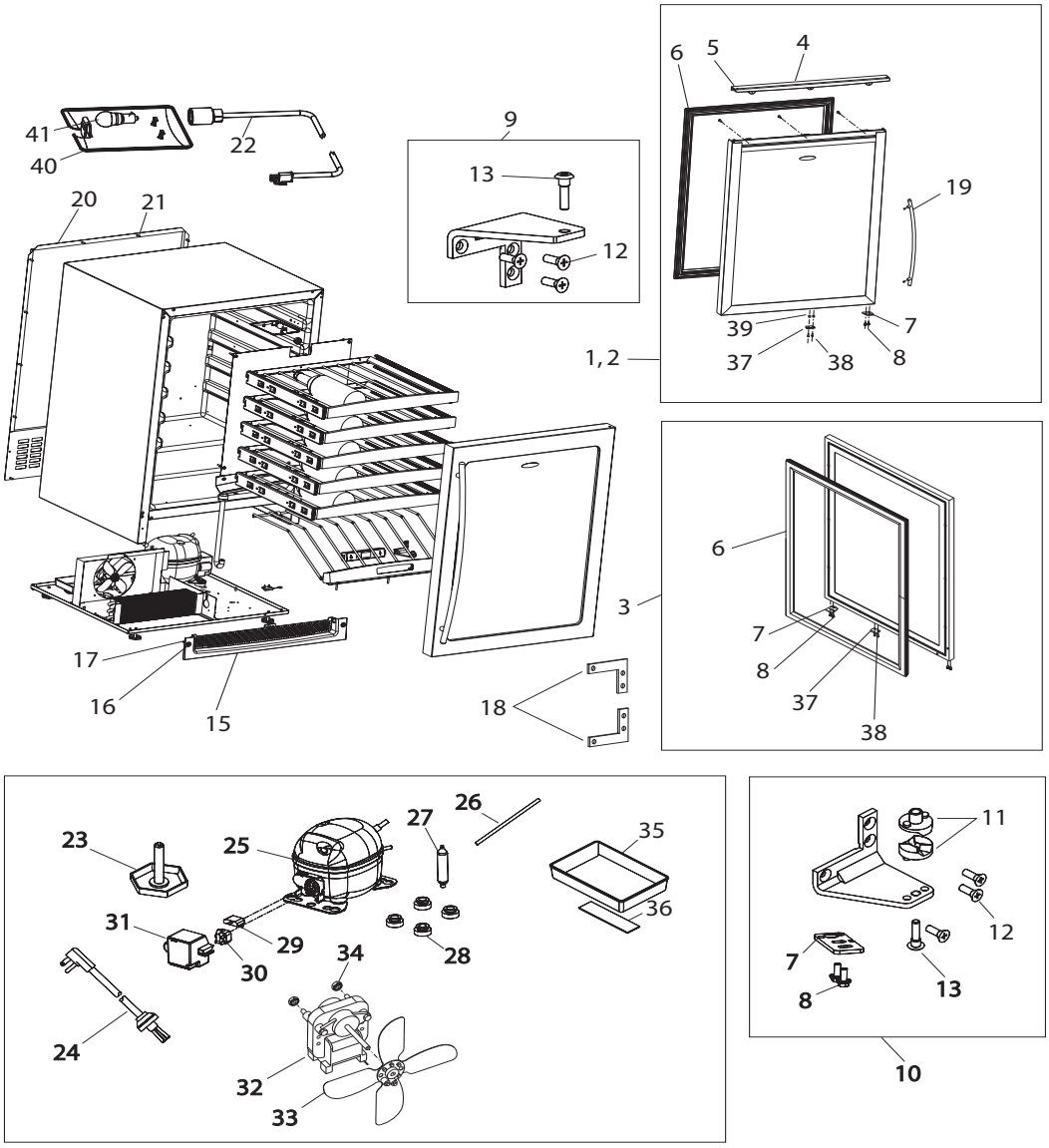
2115R (2 of 2)

Item	Part No. Black	Part No. White	Part No. Stainless Steel	Description
1	68092	68092	68092	Thermistor, quick connect white
2	68072-S	68072-S	68072-S	Circuit Board Assembly
3	68080	68080	68080	Switch jumper (included with 68072-S)
4	41992	41992	41992	Support, circuit board (included with 68072-S)
5	41993	41993	41993	Support, circuit board (included with 68072-S)
6	2950-01	2950-01	2950-01	Wire connector, 12-pin
7	26086	26086	26086	Liner, baseplate
8	68074	68074	68074	Display Assembly, Echelon
9	68059-01	68059-01	68059-01	Display glass, Echelon control
10	26089	26089	26089	Housing, display
11	42162	42162	42162	Screw, 8-18 x .75, plastite
12	2694	2694	2694	Dryer (included with 2303-02-S)
13	2800	2800	2800	Process tube (included with 2303-02-S)
14	2303-02-S	2303-02-S	2303-02-S	Condenser Assembly
15	66010	66010	66010	Reed Switch
16	20026	20026	20026	Screw, reed switch
17	31434-1	31434-1	31434-1	Rivet, thermistor cover
18	26091	26091	26091	Cover, thermistor
19	41855	41855	41855	Screw, Evaporator
20	31213	31213	31213	Spacer, Evaporator
21	2878-01-S	2878-01-S	2878-01-S	Evaporator Assembly
22	31154	31154	31154	Armaflex (included with 27878-01-S)
23	2694	2694	2694	Dryer (included with 27878-01-S)
24	2800	2800	2800	Process tube (included with 27878-01-S)
25	31391-4	31391-4	31391-4	Drain trough
26	21012-WHT	21012-WHT	21012-WHT	Rivet, white
27	11508	11508	11508	Drain cup
28	31578	31578	31578	Washer, drain tube
29	31726	31726	31726	Formed drain tube
30	11835	11835	11835	Clamp, thermistor
31	41158	41158	41158	Nut
32	41156	41156	41156	Screw
Not Shown	N/A	N/A	12091	Bushing, top pivot post
Not Shown	N/A	N/A	14159-01	Commercial handle (SS accessory only)

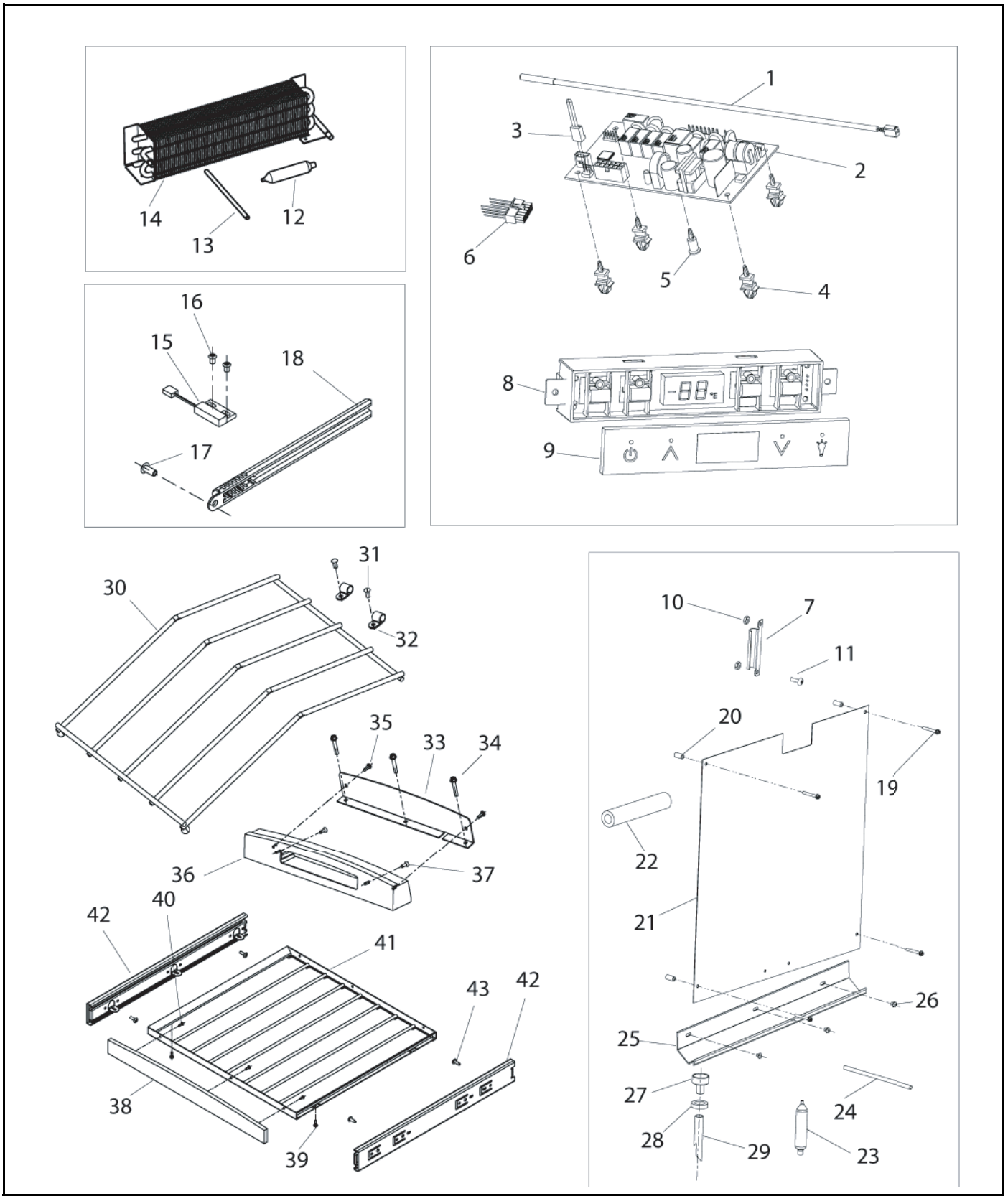
2175WC/2175WCOL/2175WCOL2 (1 OF 2)



2175WC/2175WCOL/2175WCOL2 (1 OF 2)

Item	Part No. Black	Part No. White	Part No. Stainless Steel	Description
1	80-17057-01	80-17057-03		Door Assembly, RH
2	N/A	80-17057-13		Door Assembly, LH
3	80-17081-02	N/A		Overlay Door (Model U-2175WCOL-00)
	80-17104-11	N/A		Overlay Door (Model U-2175WCOL2-00)
4	26088-4-BLK	N/A		Handle Assembly
5	42173-BLK	N/A		Hole plug (included with handle assembly)
6	12094-01	12094-02		Gasket, door
7	11994-BLK-S	11994-BLK-S		Pivot plate
8	42161-ZP	42161-ZP		Screw, pivot plate
9	11995-S-BLK	11995-S-SS		Hinge Assembly, top
10	11996-S-BLK	11996-S-SS		Hinge Assembly, bottom
11	31673-S	31673-S		Door Closer Assembly
12	42101-BLK	42101-SS		Screw, hinge (included with hinge assembly)
13	42096	42096		Pivot post (included with hinge assembly)
14	42174	N/A		Screw, handle
15	80-29010-01	80-29010-03		Grille
16	20033-BLK	20033-ZP		Screw (included with grille)
17	2945	2945		Jumper wire, power cord
18	16002	16002		Hinge Backing Plate Assembly
19	N/A	14160-01		Towel Bar Handle Assembly
20	11969	11969		Back panel
21	41342	41342		Screw, back panel
	42125	42125		Hole Cover, perforated
22	2891-01	2891-01		Light Socket Assembly
23	41319	41319		Foot, leveler
24	2938-2	2938-2		Power cord
25	5400-S	5400-S		Compressor, EMY130HER
26	2800	2800		Process tube (included with 5400-S)
27	2694	2694		Dryer (included with 5400-S)
28	31021	31021		Grommet (included with 5400-S)
29	5411	5411		Overload (included with 5400-S)
30	5412	5412		Relay (included with 5400-S)
31	5400-CAP	5400-CAP		Cover (included with 5400-S)
32	5263-S	5263-S		Fan motor, condenser
33	5188	5188		Fan blade, condenser
34	41787	41787		Nut (included with 5263-S)
35	31550-1-S	31550-1-S		Drain Pan Assembly
36	31664	31664		Tape (included with #35)
37	66016	66016		Magnet
38	20050	20050		Screw, magnet
39	66019	66019		Spacer, nylon
40	11859	11859		Lens, light housing
41	31317	31317		Light bulb, 10W, 120V
Not Shown	N/A	14159-01		Commercial handle (SS accessory only)

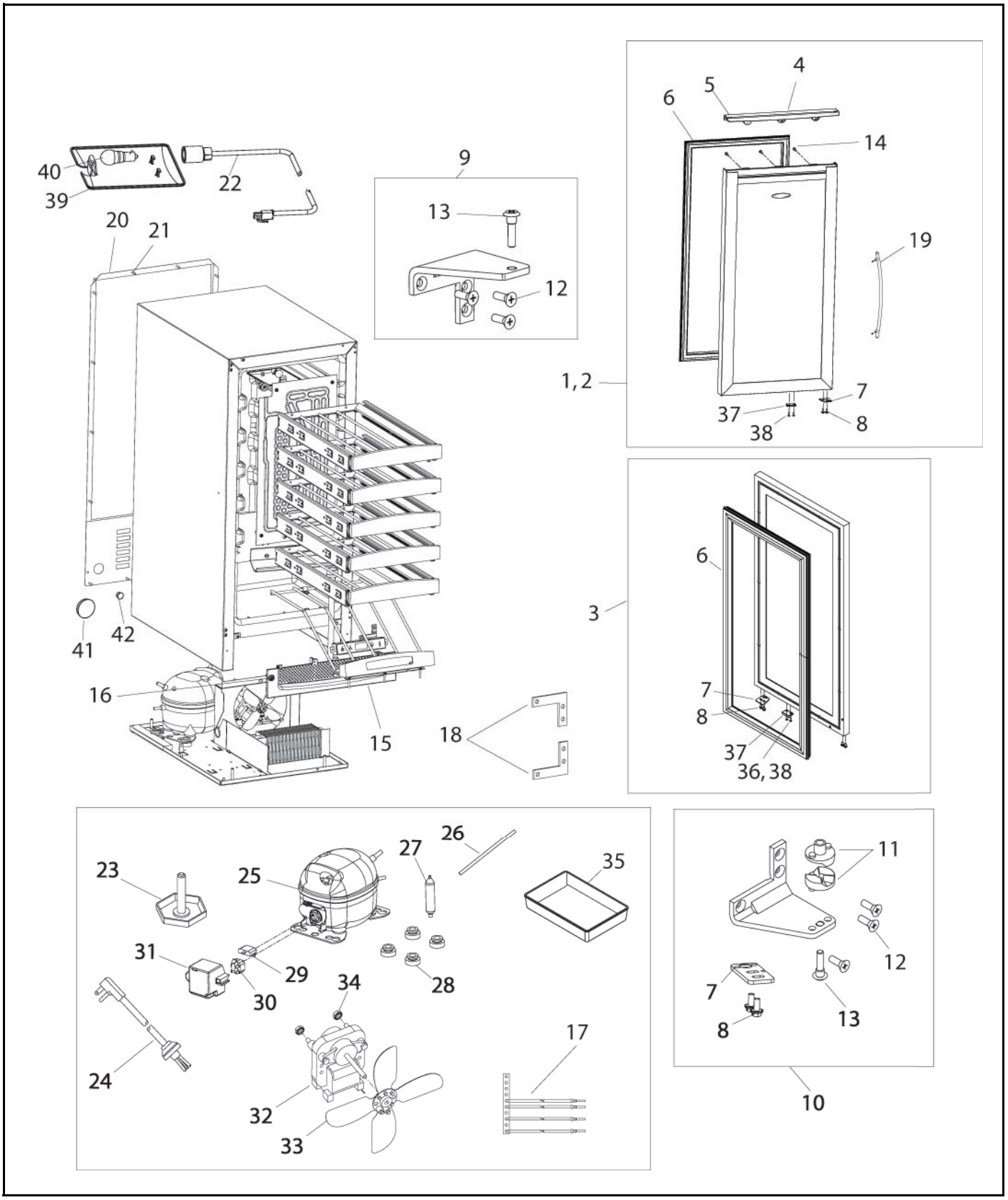
2175WC/2175WCOL /2175WCOL2(2 OF 2)



2175WC/2175WCOL /2175WCOL2(2 of 2)

Item	Part No. Black	Part No. Stainless Steel	Description
1	68092	68092	Thermistor, quick connect white
2	68072-S	68072-S	Circuit Board Assembly
3	68080	68080	Switch jumper (included with 68072-S)
4	41992	41992	Support, circuit board (included with 68072-S)
5	41993	41993	Support, circuit board (included with 68072-S)
6	2950-1	2950-1	Wire connector, 12-pin
7	11835	11835	Clamp, thermistor
8	68074	68074	Display Assembly, Echelon
9	68059-01	68059-01	Display glass, Echelon control
10	41158	41158	Nut
11	41156-02	41156-02	Screw, black
12	2694	2694	Dryer (included with 2303-S)
13	2800	2800	Process tube (included with 2303-S)
14	2303-S	2303-S	Condenser Assembly
15	66010	66010	Reed Switch
16	20026	20026	Screw, reed switch
17	31434-2	31434-2	Rivet, thermistor cover
18	26091-02	26091-02	Cover, thermistor, black
19	41855-02	41855-02	Screw, Evaporator
20	31213	31213	Spacer, Evaporator
21	2186-02-S	2186-02-S	Evaporator Assembly, black
22	31154	31154	Armaflex (included with 2186-02-SS)
23	2694	2694	Dryer (included with 2186-02-S)
24	2800	2800	Process tube (included with 2186-02-S)
25	31391-7	31391-7	Drain trough
26	21012-BLK	21012-BLK	Rivet, black
27	11508-02	11508-02	Drain cup
28	31578-02	31578-02	Washer, drain tube
29	31726	31726	Formed drain tube
30	18048	18048	Display Rack
31	31434-2	31434-2	Rivet, large, black
32	31648-02	31648-02	Clamp, black
33	14135-01	14135-01	Mounting bracket, angle, display
34	41405	41405	Screw
35	42106	42106	Screw
36	39006-01	39006-01	Wood Front Housing
37	42122	42122	Screw
38	39004-01	39004-01	Wood Front
39	4816	4816	Screw
40	42106	42106	Screw, wood
41	18066-Vinyl	18066-Vinyl	Wine Rack
42	23027-03	23027-03	Slide Assembly (set of two)
43	4816	4816	Screw (included with 23027-03)

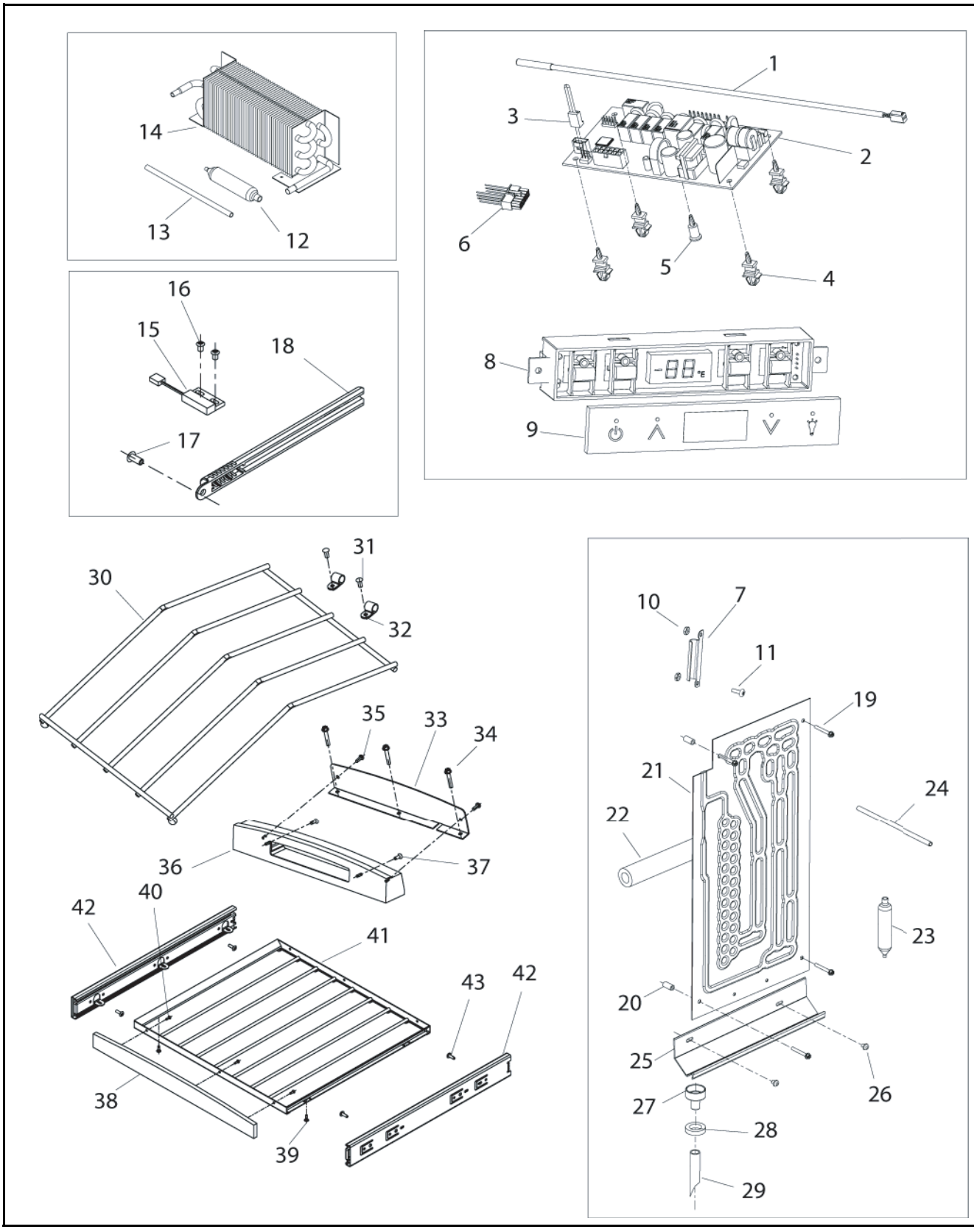
2115WC/2115WCOL/2115WCOL2 (1OF2)



2115WC/2115WCOL/2115WCOL2 (1 of 2)

Item	Part No. Black	Part No. Stainless Steel	Description
1	80-17065-01	80-17065-03	Door Assembly, RH
2	N/A	80-17065-13	Door Assembly, LH
3	80-17081-01	N/A	Overlay Door (Model U-2115WCOL-00)
	80-17104-12	N/A	Overlay Door (Model U-2115WCOL2-00)
4	26088-6-BLK	N/A	Handle Assembly
5	42173-BLK	N/A	Hole plug (included with handle assembly)
6	31493-8-BLK	31496-8-GRY	Gasket, door
7	11994-BLK-S	11994-BLK-S	Pivot plate
8	42161-ZP	42161-ZP	Screw, pivot plate
9	11995-S-BLK	11995-S-SS	Hinge Assembly, top
10	11996-S-BLK	11996-S-SS	Hinge Assembly, bottom
11	31673-S	31673-S	Door Closer Assembly
12	42101-BLK	42101-SS	Screw, hinge (included with hinge assembly)
13	42096	42096	Pivot post (included with hinge assembly)
14	42174	N/A	Screw, handle
15	80-29012-01	80-29012-03	Grille
16	20033-BLK	20033-ZP	Screw (included with grille)
17	2945	2945	Jumper wire, power cord
18	16002	16002	Hinge Backing Plate Assembly
19	N/A	14160-01	Towel Bar Handle Assembly
20	11964-01	11964-01	Back panel
21	41342	41342	Screw, back panel
22	2891-01	2891-01	Light Socket Assembly
23	41319	41319	Foot, leveler
24	2938-2	2938-2	Power cord
25	5400-S	5400-S	Compressor, EMY130HER
26	2800	2800	Process tube (included with 5400-S)
27	2694	2694	Dryer (included with 5400-S)
28	31021	31021	Grommet (included with 5400-S)
29	5411	5411	Overload (included with 5400-S)
30	5412	5412	Relay (included with 5400-S)
31	5400-CAP	5400-CAP	Cover (included with 5400-S)
32	5263-S	5263-S	Fan motor, condenser
33	5188	5188	Fan blade, condenser
34	41787	41787	Nut (included with 5263-S)
35	31385	13185	Drain Pan
36	66019	66019	Spacer, magnet
37	66016	66016	Magnet
38	20050	20050	Screw, magnet
39	11859	11859	Lens, light housing
40	31317	31317	Light bulb, 10W, 120V
41	42125	42125	Hole cover, perforated
42	42126	42126	Hole cover, solid
Not Shown	N/A	14159-01	Commercial handle (SS accessory only)

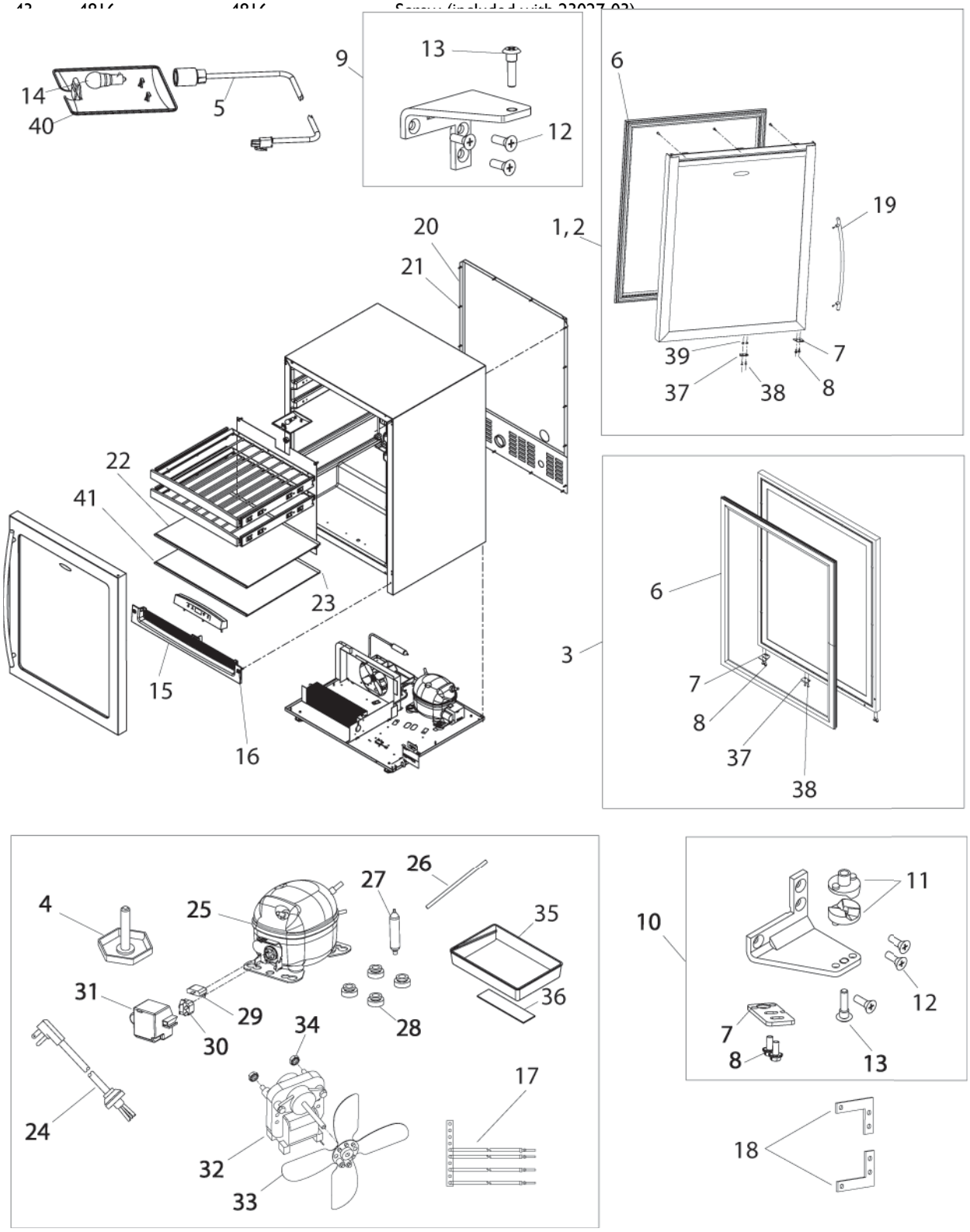
2115WC/2115WCOL/2115WCOL2 (2 OF 2)



2115WC/2115WCOL/2115WCOL2 (2 of 2)

Item	Part No. Black	Part No. Stainless Steel	Description
1	68092	68092	Thermistor, quick connect white
2	68072-S	68072-S	Circuit Board Assembly
3	68080	68080	Switch jumper (included with 68072-S)
4	41992	41992	Support, circuit board (included with 68072-S)
5	41993	41993	Support, circuit board (included with 68072-S)
6	2950-1	2950-1	Wire connector, 12-pin
7	11835	11835	Clamp, thermistor
8	68074	68074	Display Assembly, Echelon
9	68059-01	68059-01	Display glass, Echelon control
10	41158	41158	Nut
11	41156-02	41156-02	Screw, black
12	2694	2694	Dryer (included with 2303-S)
13	2800	2800	Process tube (included with 2303-S)
14	2303-02-S	2303-02-S	Condenser Assembly
15	66010	66010	Reed Switch
16	20026	20026	Screw, reed switch
17	31434-2	31434-2	Rivet, thermistor cover
18	26091-02	26091-02	Cover, thermistor
19	41855-02	41855-02	Screw, Evaporator
20	31213	31213	Spacer, Evaporator
21	2649-02-S	2649-02-S	Evaporator Assembly, black
22	31154	31154	Armaflex (included with 2649-02-S)
23	2694	2694	Dryer (included with 2649-02-S)
24	2800	2800	Process tube (included with 2649-02-S)
25	31391-8	31391-8	Drain trough
26	21012-BLK	21012-BLK	Rivet, black
27	11508-02	11508-02	Drain cup
28	31578-02	31578-02	Washer, drain tube
29	31726	31726	Formed drain tube
30	18052	18052	Display Rack
31	31434-2	31434-2	Rivet, large, black
32	31648-02	31648-02	Clamp, black
33	14135-02	14135-02	Mounting bracket, angle, display
34	41405	41405	Screw
35	42106	42106	Screw
36	39006-02	39006-02	Wood Front Housing
37	42122	42122	Screw
38	39004-02	39004-02	Wood Front
39	4816	4816	Screw
40	42106	42106	Screw, wood
41	18067-Vinyl	18067-Vinyl	Wine Rack
42	23027-03	23027-03	Slide (set of two)

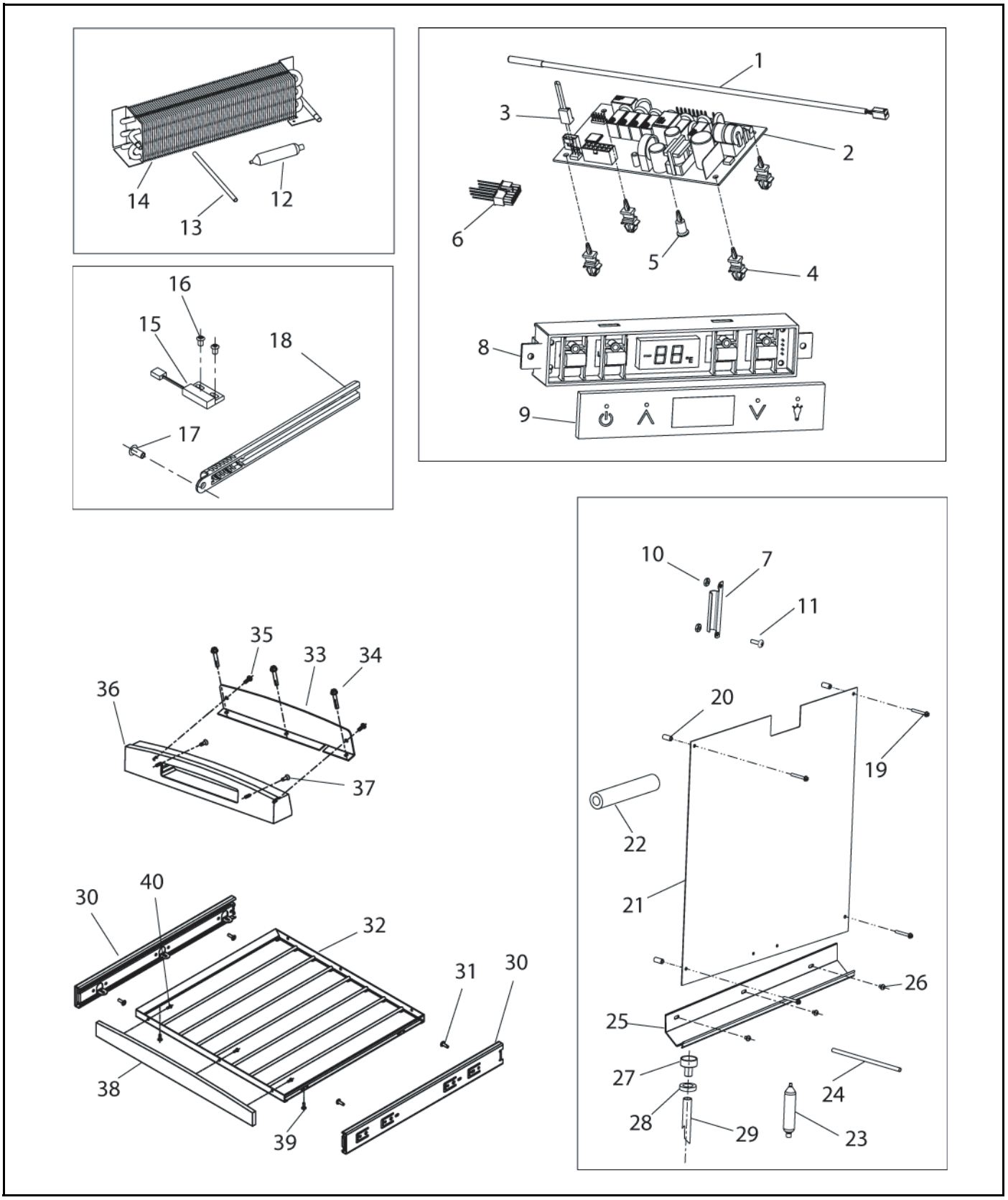
2175BEV/2175BEVOL/2175BEVOL2 (1 OF 2)



2175BEV/2175BEVOL/2175BEVOL2 (1 of 2)

Item	Part No. Overlay Door	Part No. Stainless Steel	Description
1	N/A	80-17094-03	Door Assembly, RH
2	N/A	80-17094-13	Door Assembly, LH
3	80-17094-01	N/A	Overlay Door (Model U-2175BEVOL-00)
	80-17104-11	N/A	Overlay Door (Model U-2175BEVOL2-00)
4	41319	41319	Foot, leveler
5	2891-01	2891-01	Light Socket Assembly
6	12094-01	12094-02	Gasket, door
7	11994-BLK-S	11994-BLK-S	Pivot plate
8	42161-ZP	42161-ZP	Screw, pivot plate
9	11995-S-BLK	11995-S-SS	Hinge Assembly, top
10	11996-S-BLK	11996-S-SS	Hinge Assembly, bottom
11	31673-S	31673-S	Door Closer Assembly
12	42101-BLK	42101-SS	Screw, hinge (included with hinge assembly)
13	42096	42096	Pivot post (included with hinge assembly)
14	31317	31317	Light bulb, 10W, 120V
15	80-29010-01	80-29010-03	Grille
16	20033-BLK	20033-ZP	Screw (included with grille)
17	2945	2945	Jumper wire, power cord
18	16002	16002	Hinge Backing Plate Assembly
19	N/A	14160-01	Towel Bar Handle Assembly
20	11969	11969	Back panel
21	41342	41342	Screw, back panel
22	40010-12	40010-12	Glass shelf
23	25032-7	25032-7	Edge trim, rear
24	2938-2	2938-2	Power cord
25	5400-S	5400-S	Compressor, EMY130HER
26	2800	2800	Process tube (included with 5400-S)
27	2694	2694	Dryer (included with 5400-S)
28	31021	31021	Grommet (included with 5400-S)
29	5411	5411	Overload (included with 5400-S)
30	5412	5412	Relay (included with 5400-S)
31	5400-CAP	5400-CAP	Cover (included with 5400-S)
32	5263-S	5263-S	Fan motor, condenser
33	5188	5188	Fan blade, condenser
34	41787	41787	Nut (included with 5263-S)
35	31550-1-S	31550-1-S	Drain Pan Assembly
36	31664	31664	Tape (included with #35)
37	66016	66016	Magnet
38	20050	20050	Screw, magnet
39	66019	66019	Spacer, nylon
40	11859	11859	Lens, light housing
41	31443-11	31443-11	Edge trim, front
Not Shown	N/A	14159-01	Commercial handle (SS accessory only)

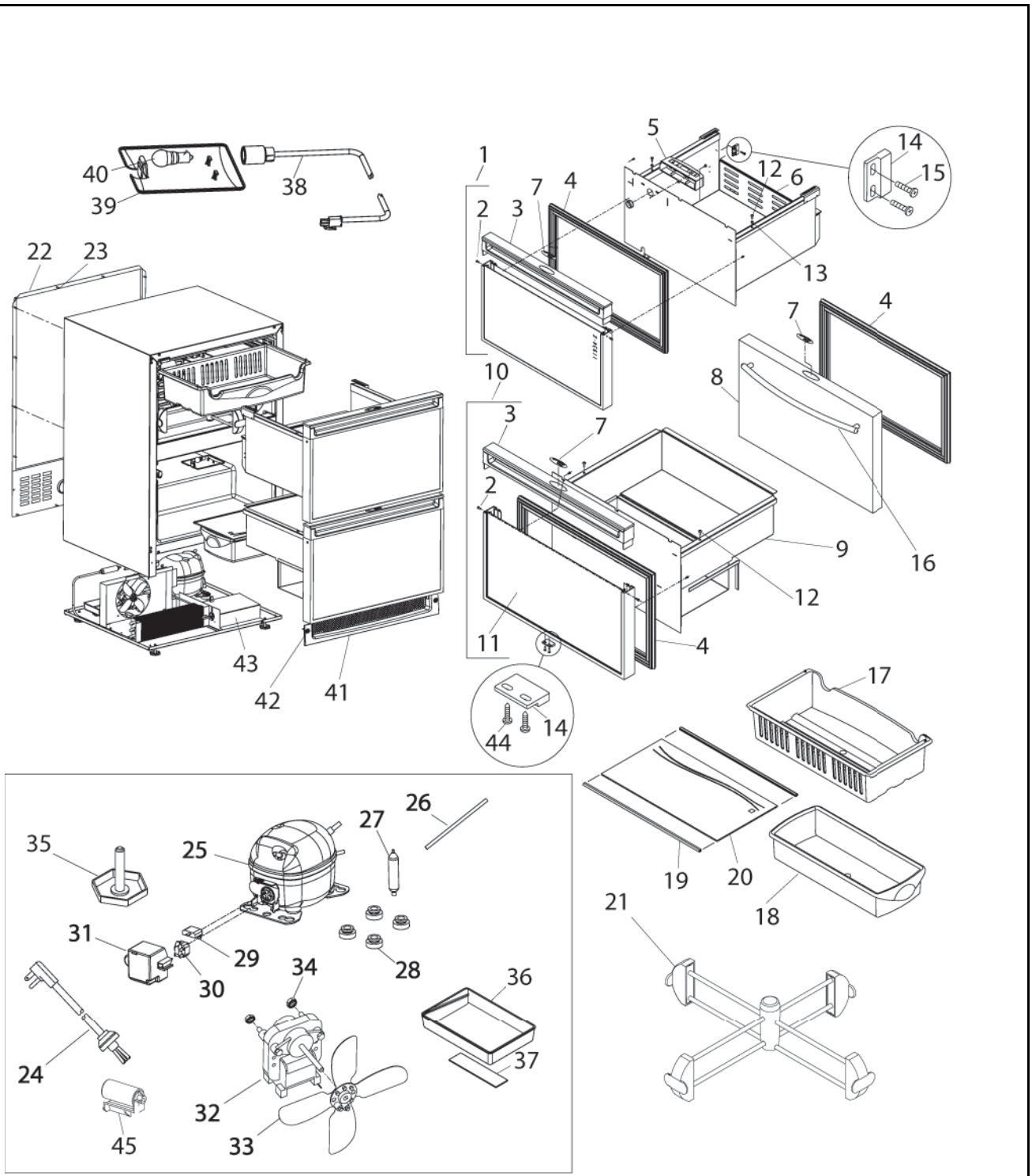
2175BEV/2175BEVOL/2175BEVOL2 (2 OF 2)



2175BEV/2175BEVOL/2175BEVOL2 (2 of 2)

Item	Part No. Black	Part No. Stainless Steel	Description
1	68092	68092	Thermistor, quick connect white
2	68072-S	68072-S	Circuit Board Assembly
3	68080	68080	Switch jumper (included with 68072-S)
4	41992	41992	Support, circuit board (included with 68072-S)
5	41993	41993	Support, circuit board (included with 68072-S)
6	2950-1	2950-1	Wire connector, 12-pin
7	11835	11835	Clamp, thermistor
8	68074	68074	Display Assembly, Echelon
9	68059-01	68059-01	Display glass, Echelon control
10	41158	41158	Nut
11	41156-02	41156-02	Screw
12	2694	2694	Dryer (included with 2303-S)
13	2800	2800	Process tube (included with 2303-S)
14	2303-S	2303-S	Condenser Assembly
15	66010	66010	Reed Switch
16	20026	20026	Screw, reed switch
17	31434-2	31434-2	Rivet, thermistor cover
18	26091-02	26091-02	Cover, thermistor
19	41855-02	41855-02	Screw, Evaporator
20	31213	31213	Spacer, Evaporator
21	2186-02-S	2186-02-S	Evaporator Assembly, black
22	31154	31154	Armaflex (included with 2186-02-SS)
23	2694	2694	Dryer (included with 2186-02-S)
24	2800	2800	Process tube (included with 2186-02-S)
25	31391-7	31391-7	Drain trough
26	21012-BLK	21012-BLK	Rivet, black
27	11508-02	11508-02	Drain cup
28	31578-02	31578-02	Washer, drain tube
29	31726	31726	Formed drain tube
30	23027-03	23027-03	Slide Assembly (set of 2)
31	4816	4816	Screw (included with 23027-03)
32	18066-Vinyl	18066-Vinyl	Wine Rack
33	14135-02	14135-02	Mounting bracket, angle, display
34	41405	41405	Screw
35	42106	42106	Screw
36	39006-02	39006-02	Wood Front Housing
37	42122	42122	Screw
38	39004-01	39004-01	Wood Front
39	4816	4816	Screw
40	42106	42106	Screw, wood

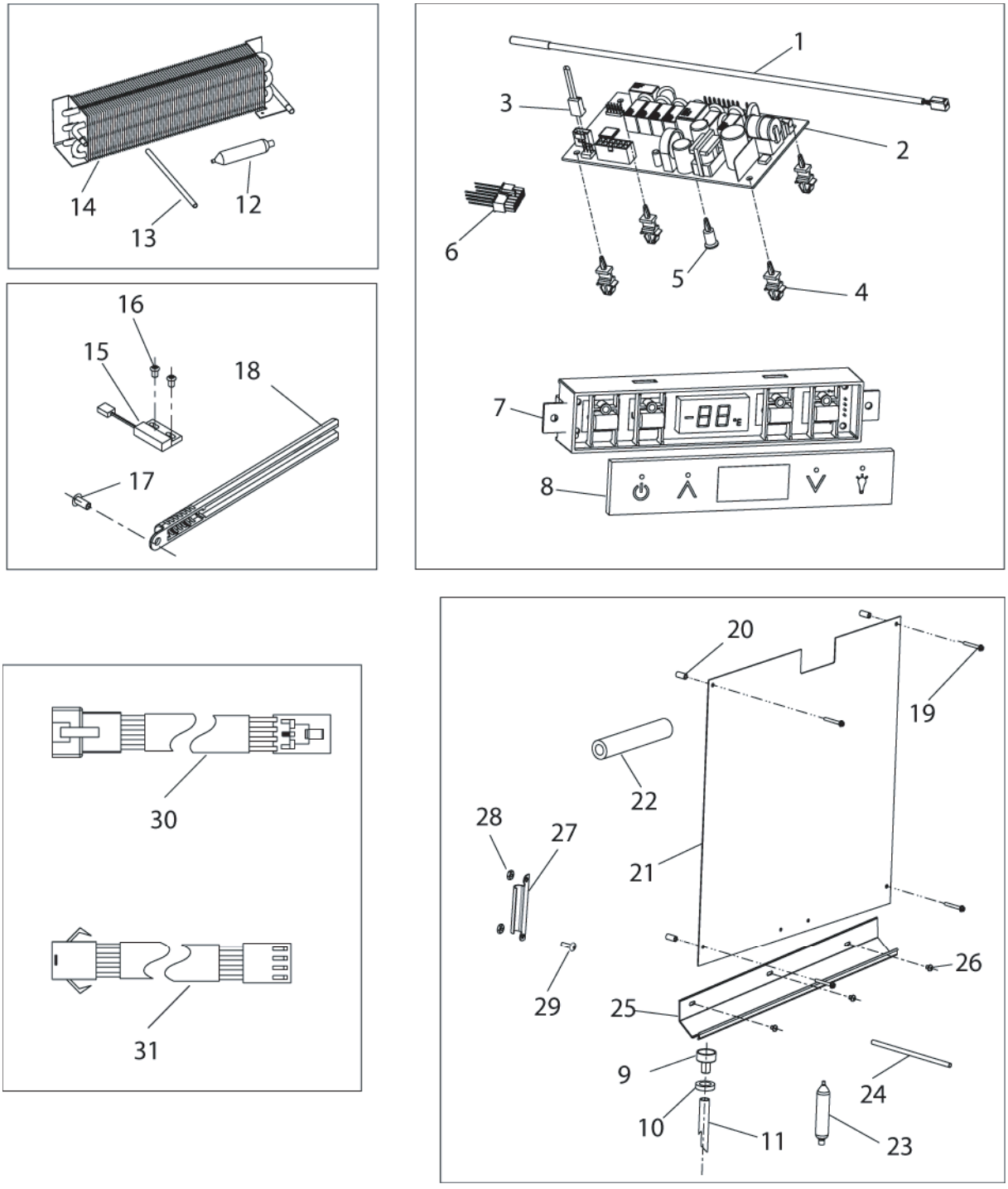
2175DWRR/2275DWRR (1 OF 2)



2175DWRR/2275DWRR (1 of 2)

Item	Part No. Black	Part No. Stainless Steel	Description
1	2175DWR-TOP-BLK	N/A	Drawer Front Assembly
2	41604	N/A	Screw, handle
3	26070-05-S	N/A	Handle, overlay
4	12094-07	12094-08	Gasket, door
5	26094	26094	Housing, display
6	14138-02	14138-02	Drawer, no front, top
7	23025	23025	Nameplate
8	N/A	11939-05-S	Stainless steel wrap only (includes handle)
9	14008-S	14008-S	Drawer, no front, bottom
10	2175DWR-BTM-BLK	N/A	Drawer Front Assembly, bottom
11	11933-18-BLK	N/A	Front panel only
12	41156	41156	Screw
13	41965	41965	Spacer, nylon
14	66016	66016	Magnet
15	41259	41259	Rivet, magnet
16	N/A	14160-05	Towel Bar Handle Assembly
17	26000	26000	Crisper, top
18	26001	26001	Crisper, bottom
19	31443-7	31443-7	Trim, front edge
20	40000-02	40000-02	Crisper Shelf
21	80-48001-00	80-48001-00	Drawer Organizer Assembly
22	11969	11969	Back panel
23	41342	41342	Screw, back panel
24	2955-2	2955-2	Power cord
25	70077-S	70077-S	Compressor
26	2800	2800	Process tube (included with 70077-S)
27	2694	2694	Dryer (included with 70077-S)
28	31021	31021	Grommet (included with 70077-S)
29	71009	71009	Overload (included with 70077-S)
30	71010	71010	Relay (included with 70077-S)
31	70077-CAP	70077-CAP	Cover (included with 70077-S)
32	5263-S	5263-S	Fan motor, condenser
33	5188	5188	Fan blade, condenser
34	41787	41787	Nut (included with 5263-S)
35	41319	41319	Foot, leveler
36	31550-1-S	31550-1-S	Drain Pan Assembly
37	31664	31664	Tape (included with #36)
38	2891-01	2891-01	Light Socket Assembly
39	11859	11859	Lens, light housing
40	31317	31317	Light bulb, 10W, 120V
41	80-29010-01	80-29010-03	Grille Assembly
42	20033-BLK	20033-ZP	Screw (included with grille)
43	14147-01	14107-01	Splash guard (included with 70077-S)
44	20050	20050	Screw, magnet
45	71008	71008	Capacitor (included with 70077-S)

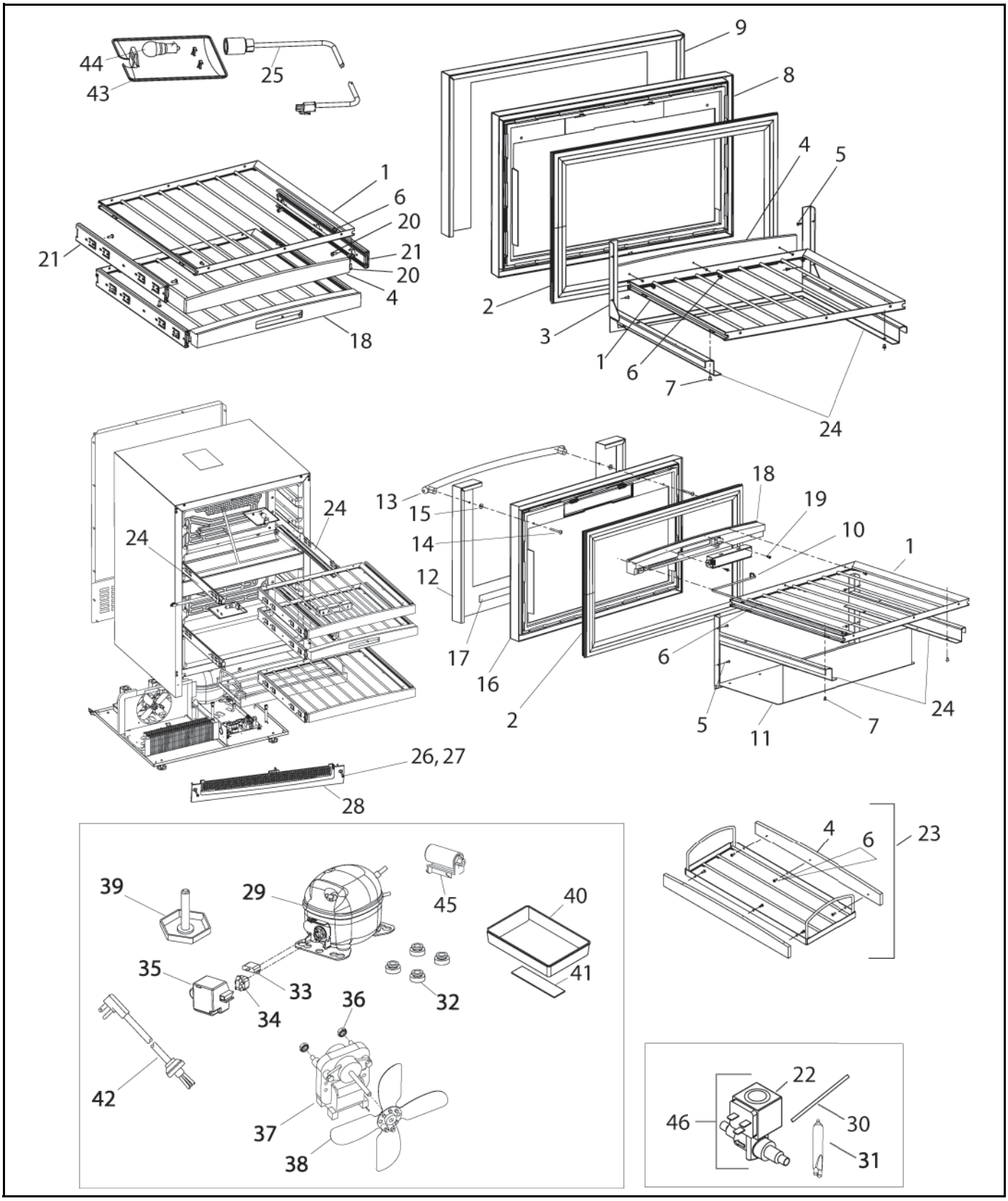
2175DWRR/2275DWRR (2 of 2)



2175DWRR/2275DWRR (2 of 2)

Item	Part No. Black	Part No. Stainless Steel	Description
1	68092	68092	Thermistor, quick connect white
2	68072-S	68072-S	Circuit Board Assembly
3	68080	68080	Switch jumper (included with 68072-S)
4	41992	41992	Support, circuit board (included with 68072-S)
5	41993	41993	Support, circuit board (included with 68072-S)
6	2950-01	2950-01	Wire connector, 12-pin
7	68074	68074	Display Assembly, Echelon
8	68059-01	68059-01	Display glass, Echelon control
9	11508	11508	Drain cup (white)
	11508-02	11508-02	Drain cup (black)
10	31578	31578	Washer, drain tube (white)
	31578-02	31578-02	Washer, drain tube (black)
11	31726	31726	Formed drain tube
12	2694	2694	Dryer (included with 2303-S)
13	2800	2800	Process tube (included with 2303-S)
14	2303-S	2303-S	Condenser Assembly
15	66010	66010	Reed Switch
16	20026	20026	Screw, reed switch
17	31434-1	31434-1	Rivet, thermistor cover (white)
	31434-2	31434-2	Rivet, thermistor cover (black)
18	26091	26091	Cover, thermistor (white)
	26091-02	26091-02	Cover, thermistor (black)
19	41855	41855	Screw, evaporator (SS)
	41855-02	41855-02	Screw, evaporator (black)
20	31213	31213	Spacer, evaporator
21	2333-S	2333-S	Evaporator Assembly, (white)
	2333-02-S	2333-02-S	Evaporator Assembly, (black)
22	31154	31154	Armaflex (included with 2333-02-SS)
23	2694	2694	Dryer (included with 2333-02-S)
24	2800	2800	Process tube (included with 2333-02-S)
25	31391-6	31391-6	Drain trough (white)
	31391-7	31391-7	Drain trough (black)
26	21012-WHT	21012-WHT	Rivet, (white)
	21012-BLK	21012-BLK	Rivet, (black)
27	11835	11835	Clamp, thermistor
28	41158	41158	Nut
29	41156	41156	Screw (SS)
	41156-02	41156-02	Screw (black)
30	2953	2953	Wire harness (from display to plug)
31	2952	2952	Wire harness (base to plug)
Not Shown	26070-01-S	N/A	Full handle
Not Shown	N/A	14159-05	Commerical handle (SS accesory only)

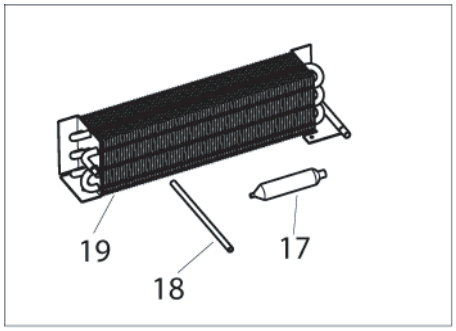
2275DWRWS/2275DWRWOL (1 OF 2)

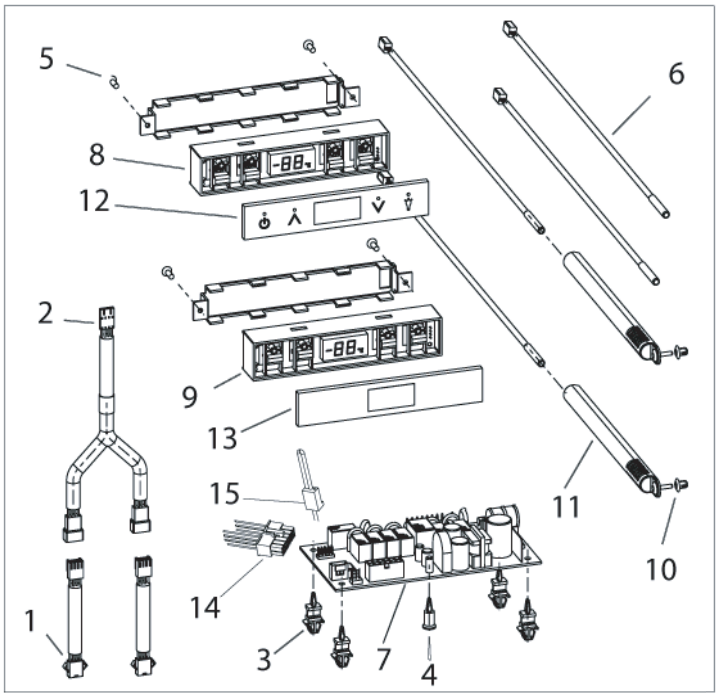


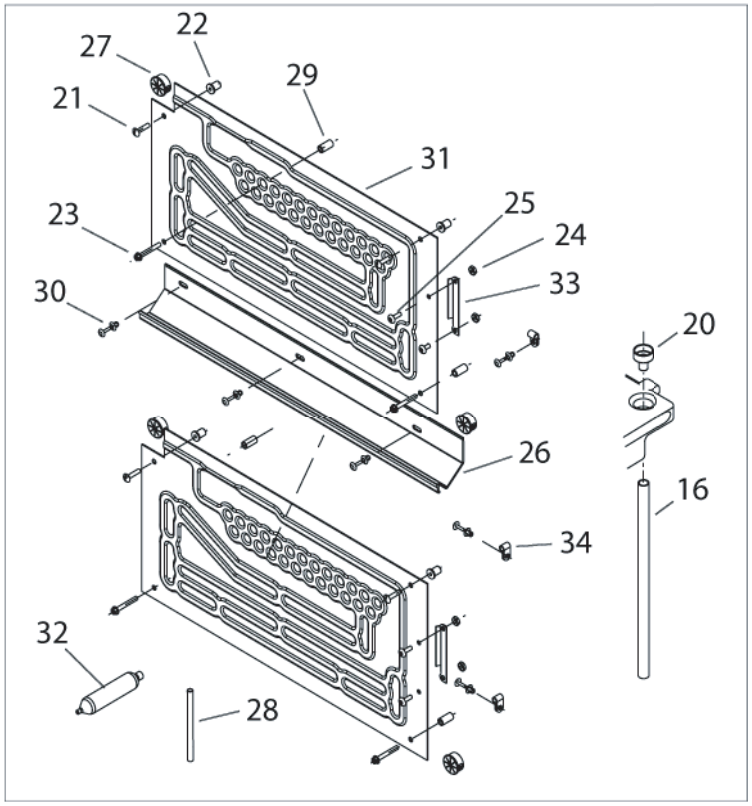
2275DWRWS/2275DWRWOL (1 of 2)

Item	Part No.	Description
1	18066-Vinyl	Wine Rack Assembly
2	12094-08-GREY	Gasket, drawer, grey
	12094-07-BLK	Gasket, drawer, black
3	14016	Front, top drawer
4	39004-03	Wood front, top drawer
5	41729	Pop rivet, stainless steel
6	42106	Screw, wood
7	42175	Pop rivet
8	26018-02	Glass front, top drawer
9	14030-03	Stainless steel wrap, top
10	2953	Main wire to harness
11	14017	Tub, bottom drawer
12	14030-04	Stainless steel wrap, bottom
13	14160-05	Towel Bar Handle Assembly
14	20046	Screw
15	23015	Washer, felt
16	26023	Glass front, drawer
17	35009	Transfer tape
18	39006-03	Wood front display, bottom drawer
19	42122	Screw
20	4816	Screw
21	23027-03	Slide Assembly (set of 2)
22	73002-2	Coil (included with 73002-S)
23	80-48005-00	Wine Caddy Assembly (includes items 4 & 6)
24	80-47001-00	Drawer Slide Assembly (set of 2)
25	2891-01	Light Socket Assembly
26	80-29010-01	Grille Assembly, black
27	80-29010-03	Grille Assembly, SS
28	20033-ZP	Screw (included with grille)
29	70077-S	Compressor Assembly
30	2800	Process tube (included with 70077-S
31	2694	Dryer (included with 70077-S)
32	31021	Grommet (included with 70077-S)
33	71009	Overload (included with 70077-S)
34	71010	Relay (included with 70077-S)
35	70077-CAP	Cap (included with 70077-S)
36	41787	Nut (included with 5263-S)
37	5263-S	Fan motor, condenser
38	5188	Fan blade
39	41319	Foot, leveler
40	31550-1-S	Drain Pan Assembly
41	31664	Tape (included with #40))
42	2948	Power cord
43	11859	Lens, light housing
44	31317	Light bulb, 10W, 120V
45	71013	Capacitor (included with 70077-S)
46	73002-S	Refrigerator valve
Not Shown	66018-01	Light switch
Not Shown	80-50002-00	Overlay Bracket Assembly
Not Shown	14159-05	Commercial handle (SS accessory only)

2275DWRWS/2275DWRWOL (2 OF 2)



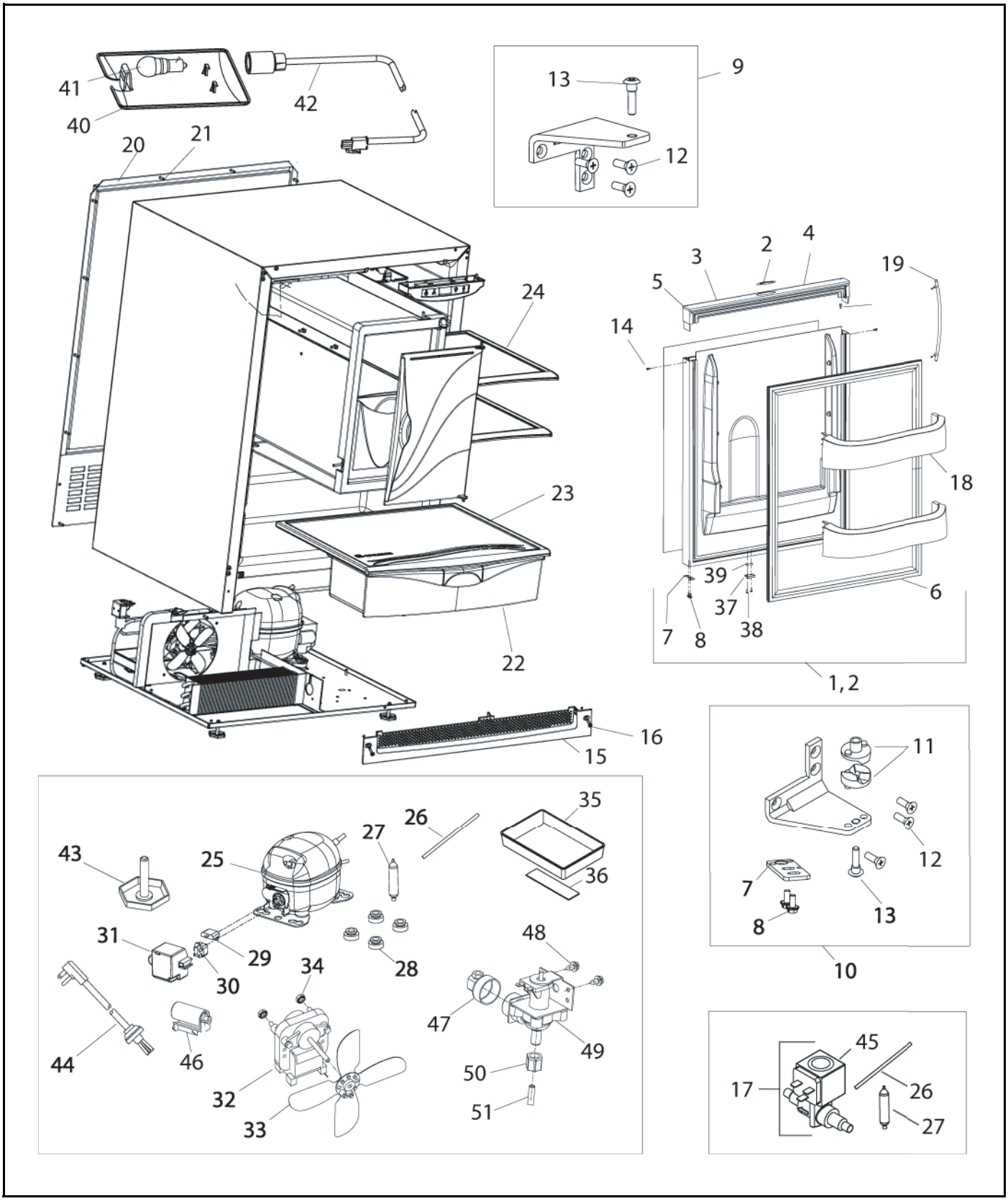




2275DWRWS/2275DWRWOL (2 of 2)

Item	Part No.	Description
1	2953	Main harness to plug
2	2959	Dual Harness
3	41992	Support, circuit board (included with 68064)
4	41993	Support, center, circuit (included with 68064)
5	42122	Screw, wood
6	68092	Thermistor Assembly
7	68084	Main Board
8	68085	Display Assembly, top drawer
9	68086	Display Assembly, bottom drawer
10	21012-BLK	Rivet, black
11	26091-02	Sensor cover, black
12	68059-01	Display glass, top drawer
13	68083-01	Display glass, bottom drawer
14	2950-01	Wire connector, 12-pin
15	68080	Jumper switch (included with 68084)
16	41967-4	Drain tube
17	2694	Dryer (included with 2303-S)
18	2800	Process tube (included with 2303-S
19	2303-S	Condenser Assembly
20	11508-02	Drain cup
21	41981	Screw, upper, evaporator
22	41979	Well nut
23	41855-02	Screw, lower, evaporator
24	41158	Nut
25	41156-02	Screw
26	31391-9	Drain trough, black
27	31386	Bushing, black
28	2800	Process tube (included with 2649-02-S)
29	31213	Spacer
30	21012-BLK	Rivet, black
31	2649-02-S	Evaporator Assembly
32	2694	Dryer (included with #31)
33	11835	Clamp, control bulb
34	21009	Clamp, cable
Not Shown	31154	Armaflex (included with #31)

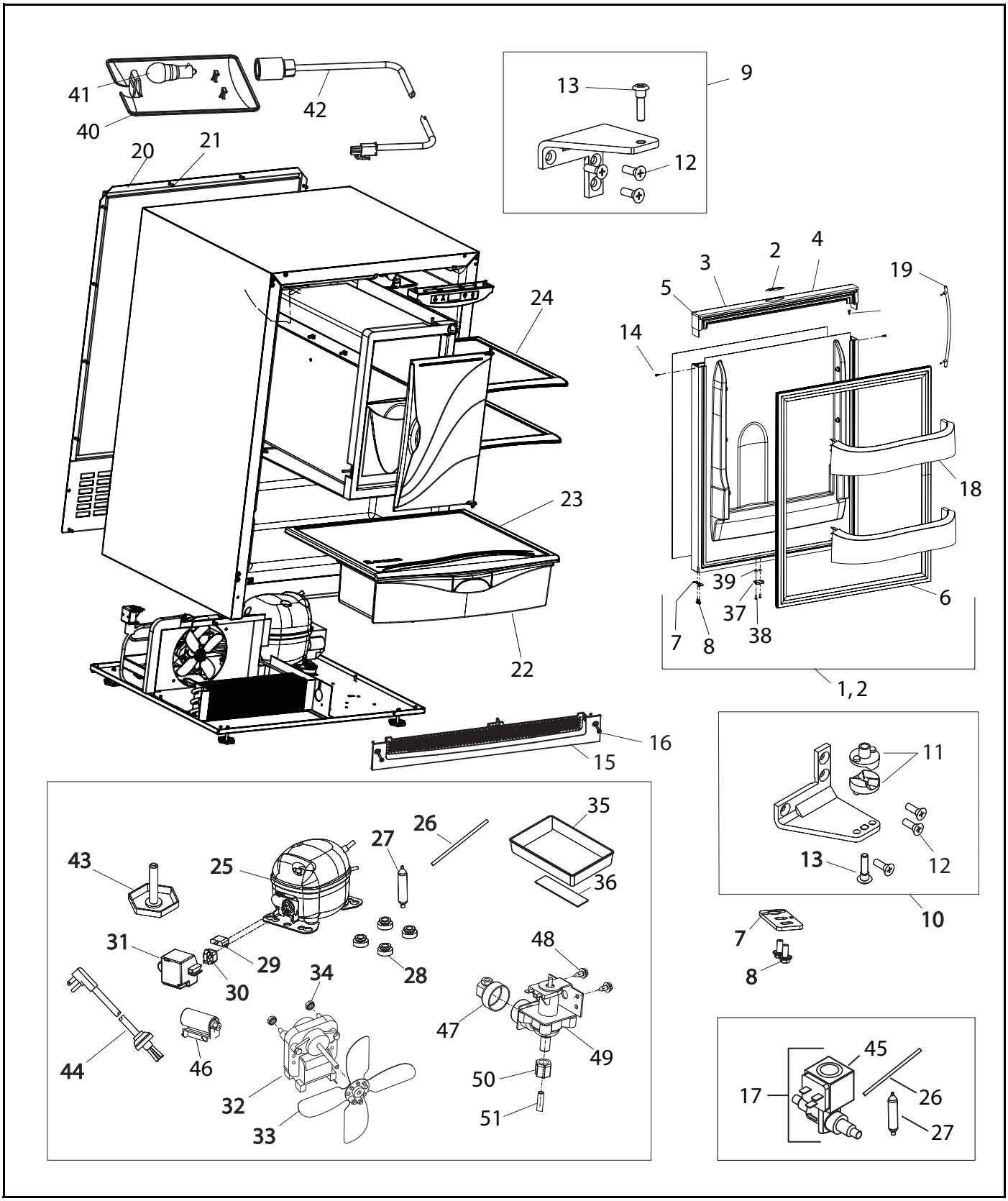
CO2175F (1 of 4)



CO2175F (1 of 4)

Item	Part No. Black	Part No. White	Part No. Stainless Steel	Description
1	80-17060-01	80-17060-02	80-17075-01	Door Assembly, RH
2	80-17060-01	80-17060-02	80-17075-02	Door Assembly, LH
3	23025	23025	23025	Nameplate
4	26070-01-S	26070-02-S	N/A	Handle Assembly
5	42173-BLK	42173-NAT	N/A	Hole plug (included with handle assembly)
6	12094-01	12094-03	12094-02	Gasket, door
7	11901-1-BLK-S	11901-1-BLK-S	11994-BLK-S	Pivot plate
8	42161-ZP	42161-ZP	42161-ZP	Screw, pivot plate
9	11898-S-BLK	11898-S-KIT	11995-S-SS	Hinge Assembly, top
10	11899-S-BLK	11899-S-KIT	11996-S-SS	Hinge Assembly, bottom
11	31673-S	31673-S	31673-S	Door Closer Assembly
12	42101-BLK	42101-ZP	42101-SS	Screw, hinge (included with hinge assembly)
13	42096	42096	42096	Pivot post (included with hinge assembly)
14	41604	41725	N/A	Screw, handle (included with handle assembly)
15	80-29010-01	80-29010-02	80-29010-03	Grille
16	20033-BLK	20033-ZP	20033-ZP	Screw (included with grille)
17	73002-FFS	73002-FFS	73002-FFS	Danfoss Hot Gas Valve Assembly
18	31686	31686	31686	Door Shelf
19	N/A	N/A	14160-01	Towel Bar Handle Assembly
20	11969	11969	11969	Back panel
21	41342	41342	41342	Screw, back panel
22	31685	31685	31685	Crisper drawer
23	31689	31689	31689	Crisper shelf
24	31696	31696	31696	Glass shelf
25	5408-FFS	5408-FFS	5408-FFS	Compressor
26	2800	2800	2800	Process tube
27	2692	2692	2692	Dryer
28	31021	31021	31021	Grommet
29	71020	71020	71020	Overload
30	71021	71021	71021	Relay

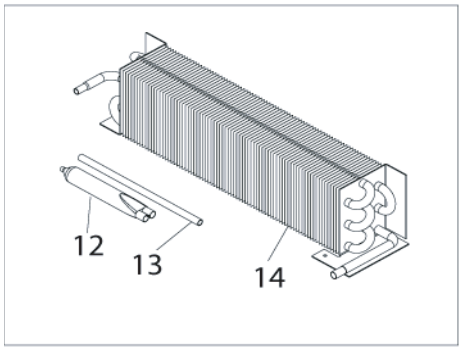
CO2175F (2 0f 4)

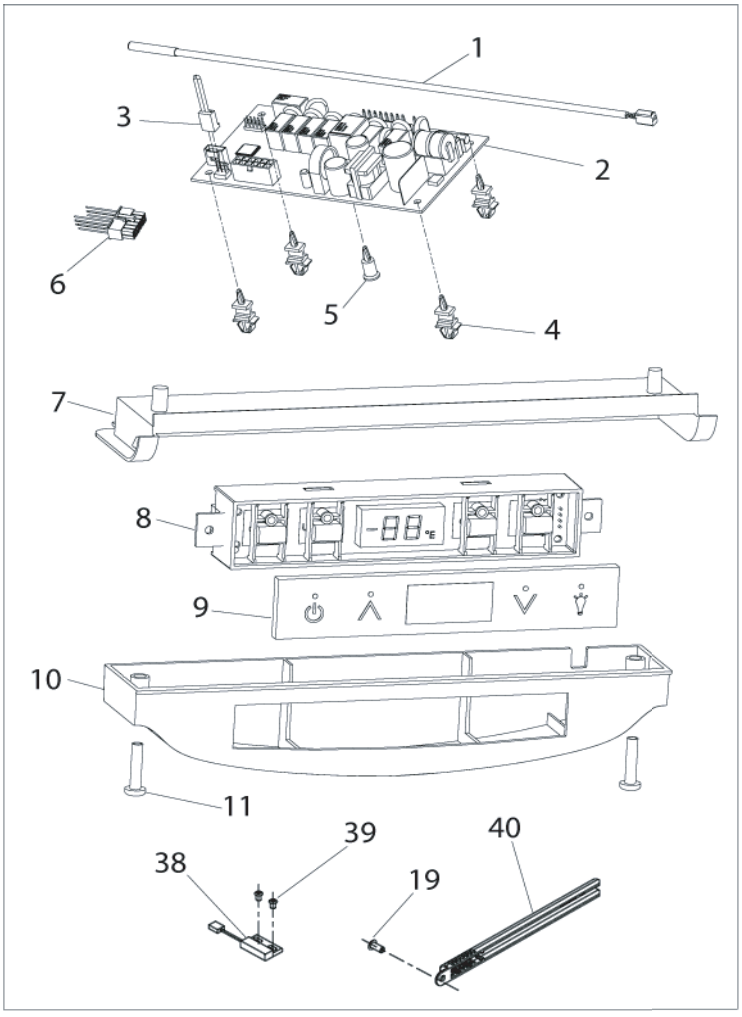


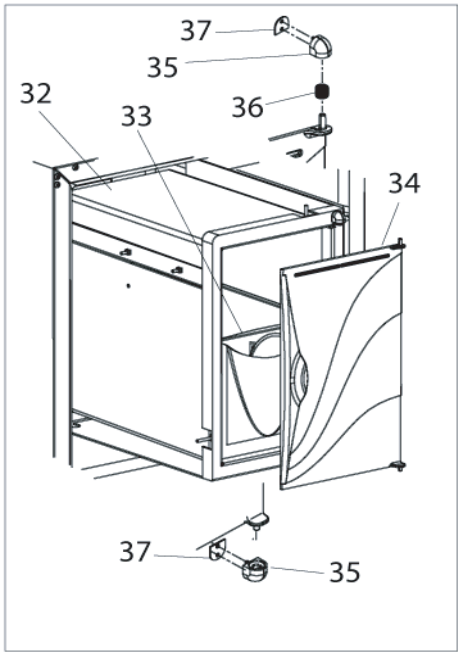
CO2175F (2 of 4)

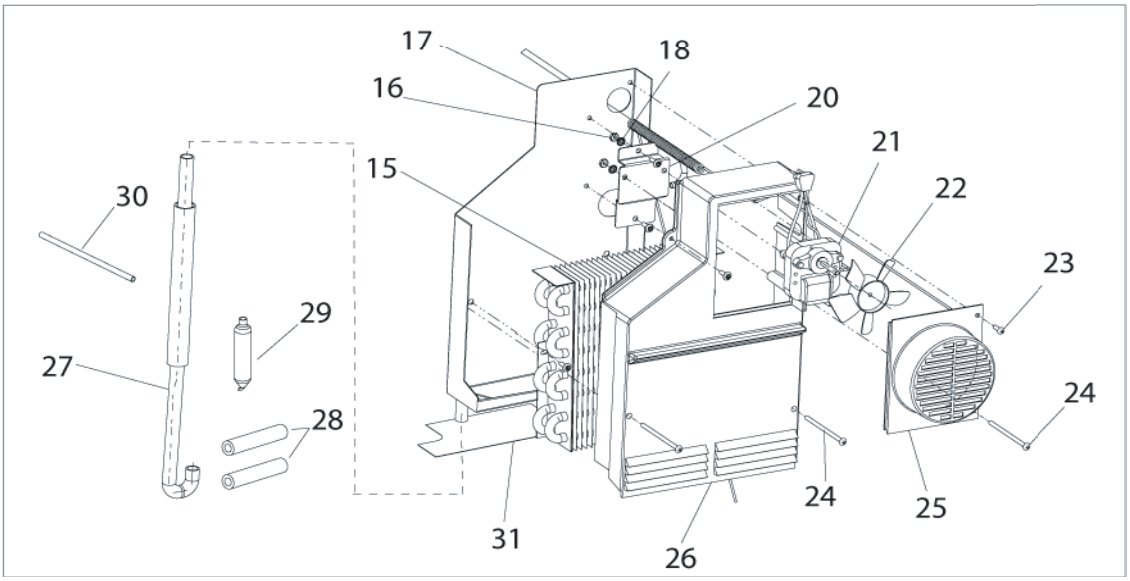
Item	Part No. Black	Part No. White	Part No. Stainless Steel	Description
31	5408-CAP	5408-CAP	5408-CAP	Cover
32	5263-S	5263-S	5263-S	Fan motor, condenser
33	5188	5188	5188	Fan blade, condenser
34	41787	41787	41787	Nut (included with 5263-S)
35	31550-1-S	31550-1-S	31550-1-S	Drain Pan Assembly
36	31664	31664	31664	Tape
37	66016	66016	66016	Magnet
38	20050	20050	20050	Screw, magnet
39	66019	66019	66019	Spacer, nylon
40	11859	11859	11859	Lens, light housing
41	31317	31317	31317	Light bulb, 10W, 120V
42	2891-01	2891-01	2891-01	Light Socket Assembly
43	41319	41319	41319	Foot, leveler
44	2946	2946	2946	Power cord
45	73002-2	73002-2	73002-2	Solenoid only (included with #17)
46	71022	71022	71022	Capacitor
47	41826	41826	41826	Fitting, brass, 90°
48	42114	42114	42114	Screw
49	2552A	2552A	2552A	Water valve
50	41254	41254	41254	Plastic Nut & Sleeve Assembly
51	404-FF	404-FF	404-FF	Water Line Assembly
Not Shown	N/A	N/A	14159-01	Commercial handle (SS accessory only)

CO2175F (3 of 4)





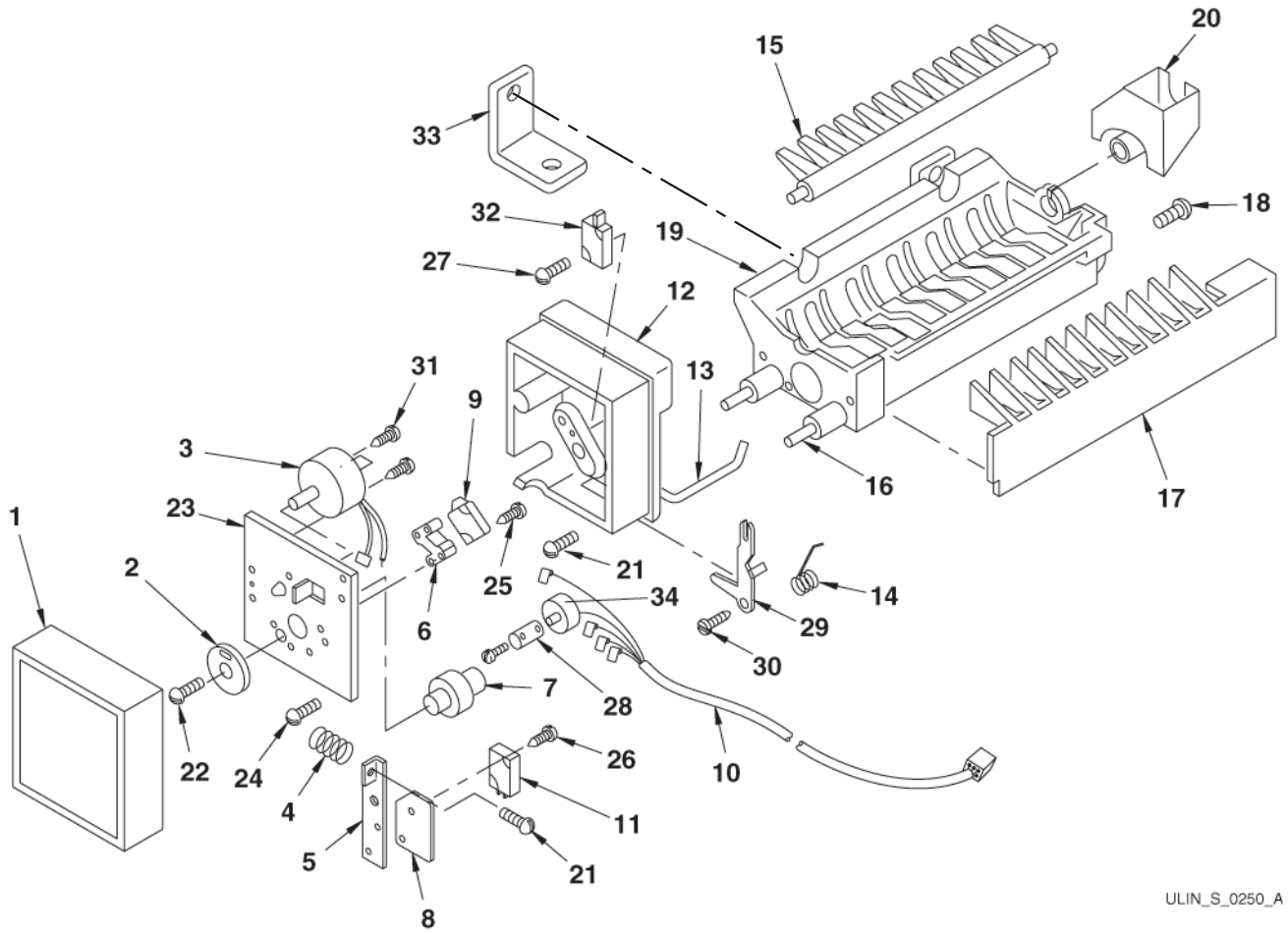




CO2175F (3 of 4)

Item	Part No. Black	Part No. White	Part No. Stainless Steel	Description
1	68092	68092	68092	Thermistor, quick connect white
2	68072-S	68072-S	68072-S	Circuit Board Assembly
3	68080	68080	68080	Switch jumper (included with 68072-S)
4	41992	41992	41992	Support, circuit board (included with 68072-S)
5	41993	41993	41993	Support, circuit board (included with 68072-S)
6	2950-02	2950-02	2950-02	Wire connector, 12-pin
7	26086	26086	26086	Liner, baseplate
8	68074	68074	68074	Display Assembly, Echelon
9	68059-01	68059-01	68059-01	Display glass, Echelon control
10	26089	26089	26089	Housing, display
11	42162	42162	42162	Screw, 8-18 x .75, plastite
12	2692	2692	2692	Dryer (included with 2303-FFS)
13	2800	2800	2800	Process tube (included with 2303-FFS)
14	2303-FFS	2303-FFS	2303-FFS	Condenser Assembly
15	2334-FFS	2334-FFS	2334-FFS	Evaporator Assembly (includs heat exchanger)
16	41158	41158	41158	Nut
17	2349	2349	2349	Drain Pan Assembly
18	41566	41566	41566	Washer
19	31434-1	31434-1	31434-1	Rivet
20	11855	11855	11855	Bracket, fan motor
21	5434	5434	5434	Fan motor, evaporator
22	31656	31656	31656	Fan blade, evaporator
23	42129	42129	42129	Screw
24	42099	42099	42099	Screw
25	11952	11952	11952	Fan cover, evaporator
26	11955	11955	11955	Cover, evaporator
27	31731	31731	31731	Drain tube
28	31410	31410	31410	Armaflex (included with #15)
29	2692	2692	2692	Dryer (included with #15)
30	2800	2800	2800	Process tube (included with #15)
31	66005	66005	66005	Heater, drain pan
32	80-35002-S	80-35002-S	80-35002-S	Freezer Housing Assembly
33	26011	26011	26011	Ice Bucket
34	26069-S	26069-S	26069-S	Freezer Door Assembly (includes 35, 36 & 37)
35	12013-S	12013-S	12013-S	Freezer Door Hinge Assembly (includes top 36 & bottom 37)
36	42135	42135	42135	Spring, freezer door hinge
37	42157	42157	42157	Tape
38	66010	66010	66010	Reed Switch
39	20026	20026	20026	Screw
40	26091	26091	26091	Cover, thermistor
Not Shown	31154	31154	31154	Armaflex (included with #15)
Not Shown	35014	35014	35014	Tape, drain pan heater

CO2175F (4 of 4)



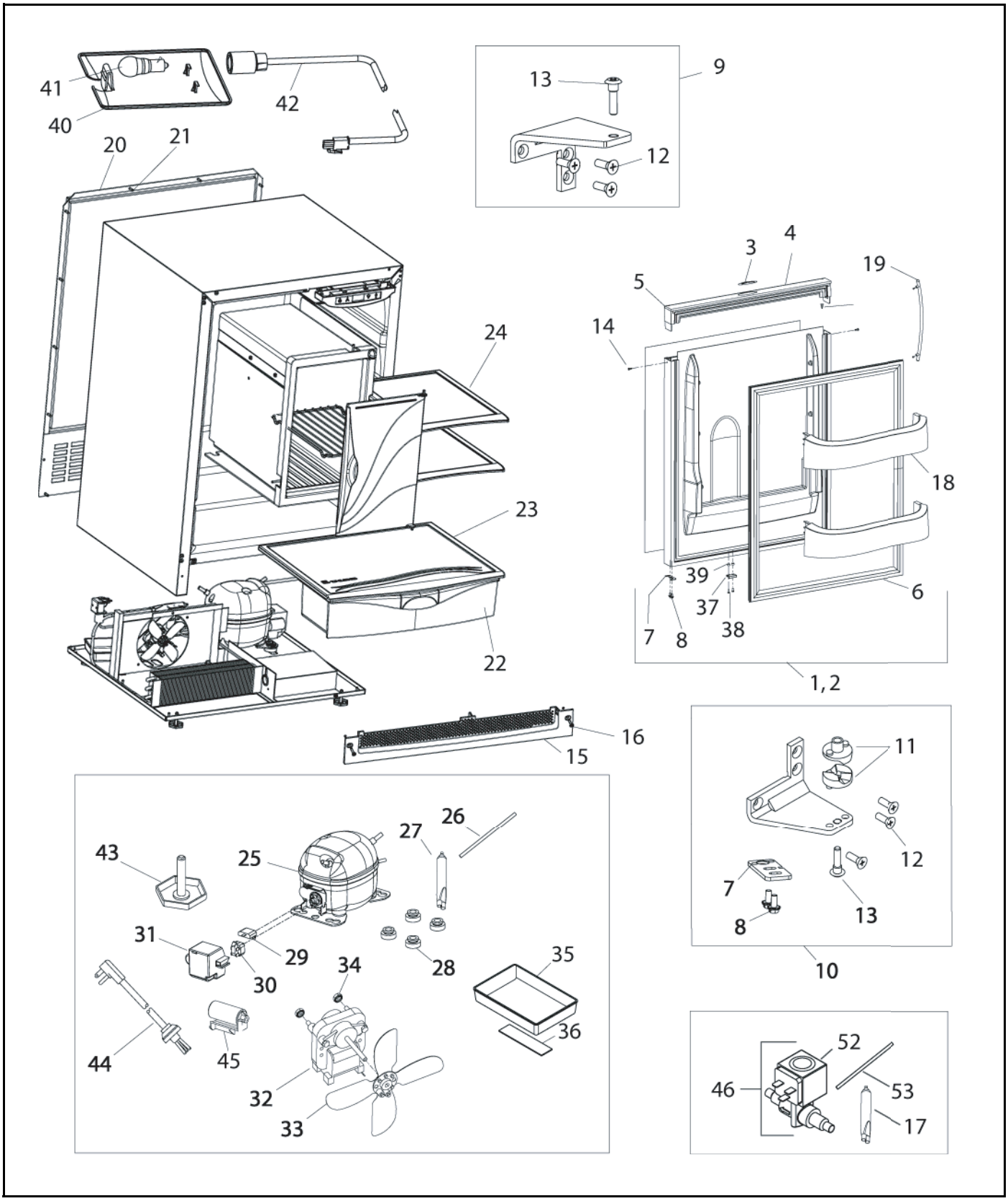
CO2175F (4 of 4)

Item	Part No.	Description
	80-39010-00	Ice Maker Assembly
	150-CO2175F	Faceplate Assembly
1	627000	Cover
2	628210*†	Gear
3	80-39015-00*	Motor
4	627163*†	Spring
5	625836*†	Valve switch plate
6	31403*	Switch spacer
7	627302*†	Cam
8	627680*	Insulator
9	2506*	Hold switch
10	2918	Wire harness
11	2506*	Valve switch
12	625827	Support housing
13	2886	Bin arm
14	627526	Spring, bin arm
15	627375	Ejector
16	625843-S	Mold heater
17	31400	Stripper
18	489128	Screw, stripper
19	628123-S-E75	Mold and Heater Assembly
20	544304	Water cup
21	488372*†	Screw, spring and housing
22	488957*†	Screw, gear
23	11641*†	Faceplate
24	41375	Screw, plate
25	488361*	Screw, long sw
26	488362*	Screw, short sw
27	488360	Screw, bin sw
28	625829	Clamp
29	625830	Arm lever
30	627199	Screw, arm lever
31	488622*	Screw, motor
32	2506*	Bin switch
33	42166	Support bracket
34	2917	Limit Switch
Not Shown	68092	Thermistor

* included with 150-CO2175 faceplate assembly

† included with 80-39015-00 motor

2175RF (1 of 3)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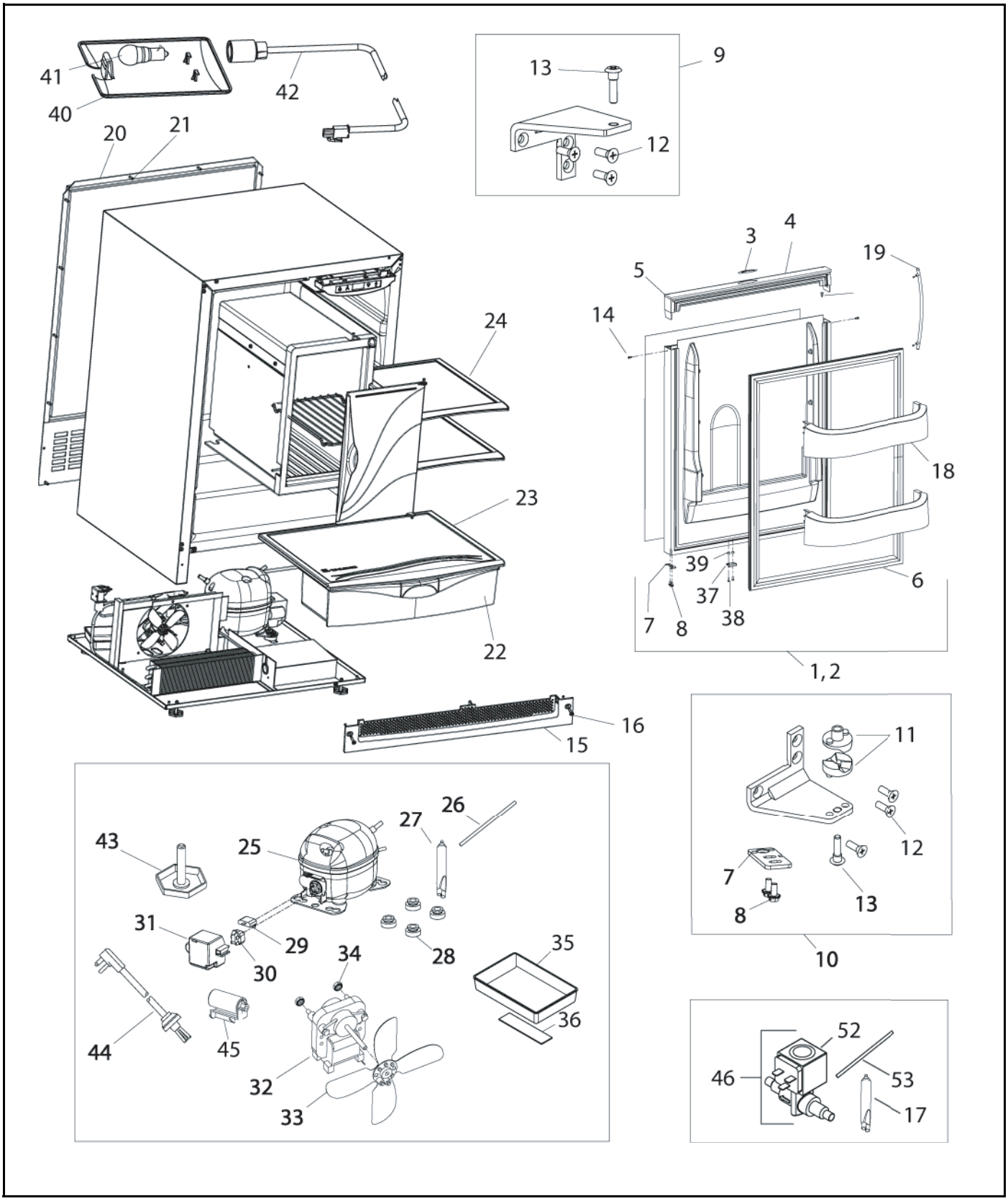
Item	Part No. Black	Part No. White	Part No. Stainless Steel	Description
1	80-17060-01	80-17060-02	80-17075-01	Door Assembly, RH
2	80-17060-01	80-17060-02	80-17075-02	Door Assembly, LH
3	23025	23025	23025	Nameplate
4	26070-01-S	26070-02-S	N/A	Handle Assembly
5	42173-BLK	42173-NAT	N/A	Hole plug (included with handle assembly)
6	12094-01	12094-03	12094-02	Gasket, door
7	11901-1-BLK-S	11901-1-BLK-S	11994-BLK	Pivot plate
8	42161-ZP	42161-ZP	42161-ZP	Screw, pivot plate
9	11898-S-BLK	11898-S-KIT	11995-S-SS	Hinge Assembly, top
10	11899-S-BLK	11899-S-KIT	11996-S-SS	Hinge Assembly, bottom
11	31673-S	31673-S	31673-S	Door Closer Assembly
12	42101-BLK	42101-ZP	42101-SS	Screw, hinge (included with hinge assembly)
13	42096	42096	42096	Pivot post (included with hinge assembly)
14	41604	41725	N/A	Screw, handle (included with handle assembly)
15	80-29010-01	80-29010-02	80-29010-03	Grille
16	20033-BLK	20033-ZP	20033-ZP	Screw (included with grille)
17	2692	2692	2692	Dryer (included with 73002-FFS)
18	31686	31686	31686	Door Shelf
19	N/A	N/A	14160-01	Towel Bar Handle Assembly
20	11969	11969	11969	Back panel
21	41342	41342	41342	Screw, back panel
22	31685	31685	31685	Crisper drawer
23	31689	31689	31689	Crisper shelf
24	31696	31696	31696	Glass shelf
25	5408-FFS	5408-FFS	5408-FFS	Compressor
26	2800	2800	2800	Process tube
27	2692	2692	2692	Dryer
28	31021	31021	31021	Grommet
29	71020	71020	71020	Overload
30	71021	71021	71021	Relay

2175RF (2 of 3)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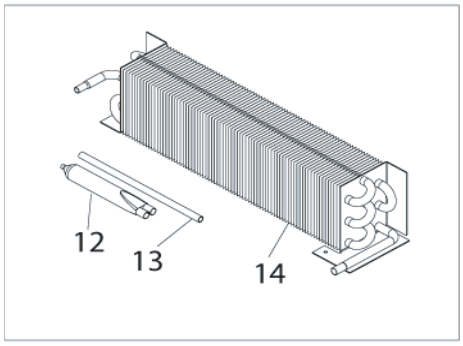
Item	Part No. Black	Part No. White	Part No. Stainless Steel	Description
31	5408-CAP	5408-CAP	5408-CAP	Cover
32	5263-S	5263-S	5263-S	Fan motor, condenser
33	5188	5188	5188	Fan blade, condenser
34	41787	41787	41787	Nut (included with 5263-S)
35	31550-1-S	31550-1-S	31550-1-S	Drain Pan Assembly
36	31664	31664	31664	Tape
37	66016	66016	66016	Magnet
38	20050	20050	20050	Screw, magnet
39	66019	66019	66019	Spacer, nylon
40	11859	11859	11859	Lens, light housing
41	31317	31317	31317	Light bulb, 10W, 120V
42	2891-01	2891-01	2891-01	Light Socket Assembly
43	41319	41319	41319	Foot, leveler, 1/4-20
44	2946	2946	2946	Power cord
45	71022	71022	71022	Capacitor
46	73002-FFS	73002-FFS	73002-FFS	Hot Gas Valve Assembly, Danfoss
52	73002-2	73002-2	73002-2	Solenoid only (included with 73002-FFS)
53	2800	2800	2800	Process tube (included with 73002-FFS)
Not Shown	N/A	N/A	14159-01	Commerical handle (SS accessory only)

2175RF (3 of 3)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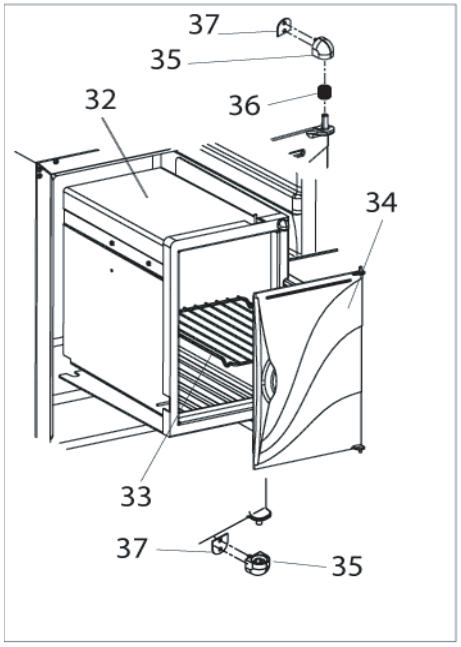
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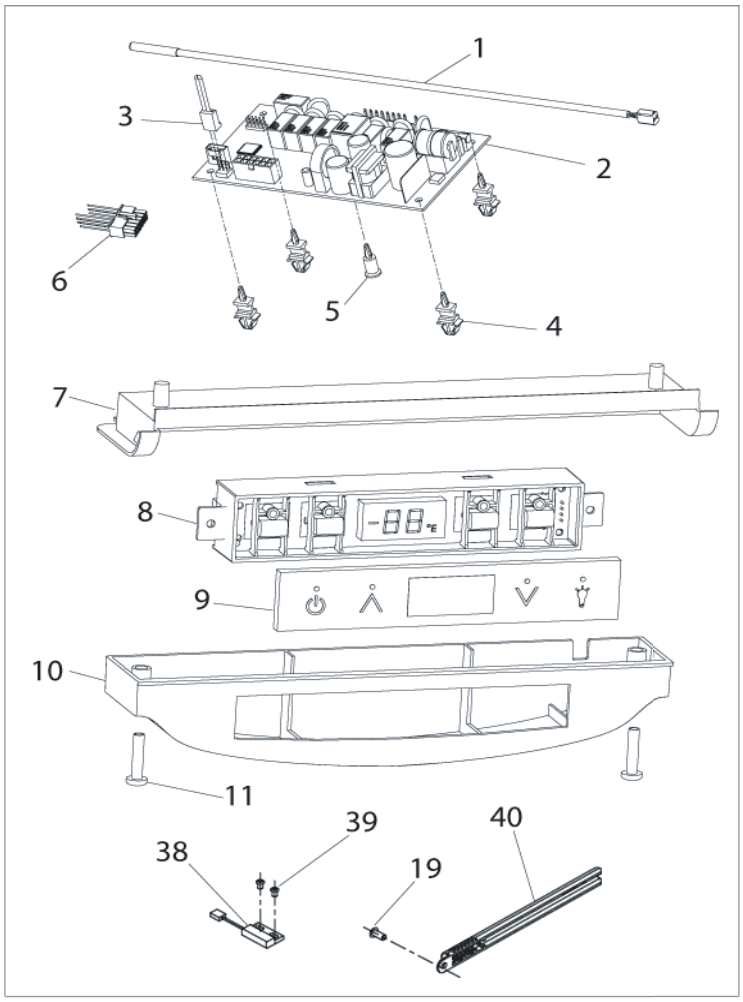
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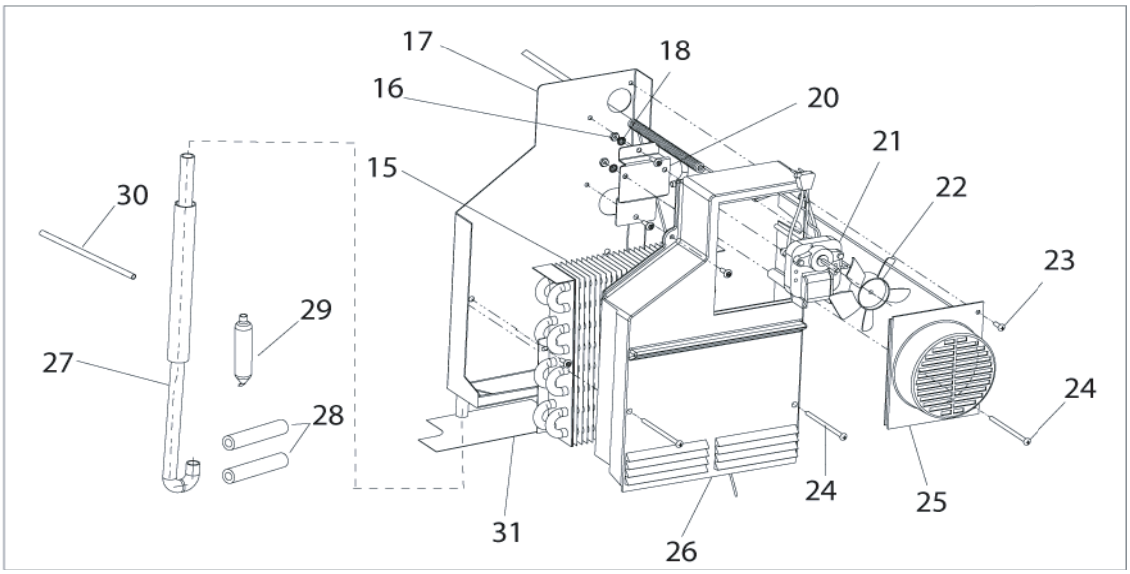
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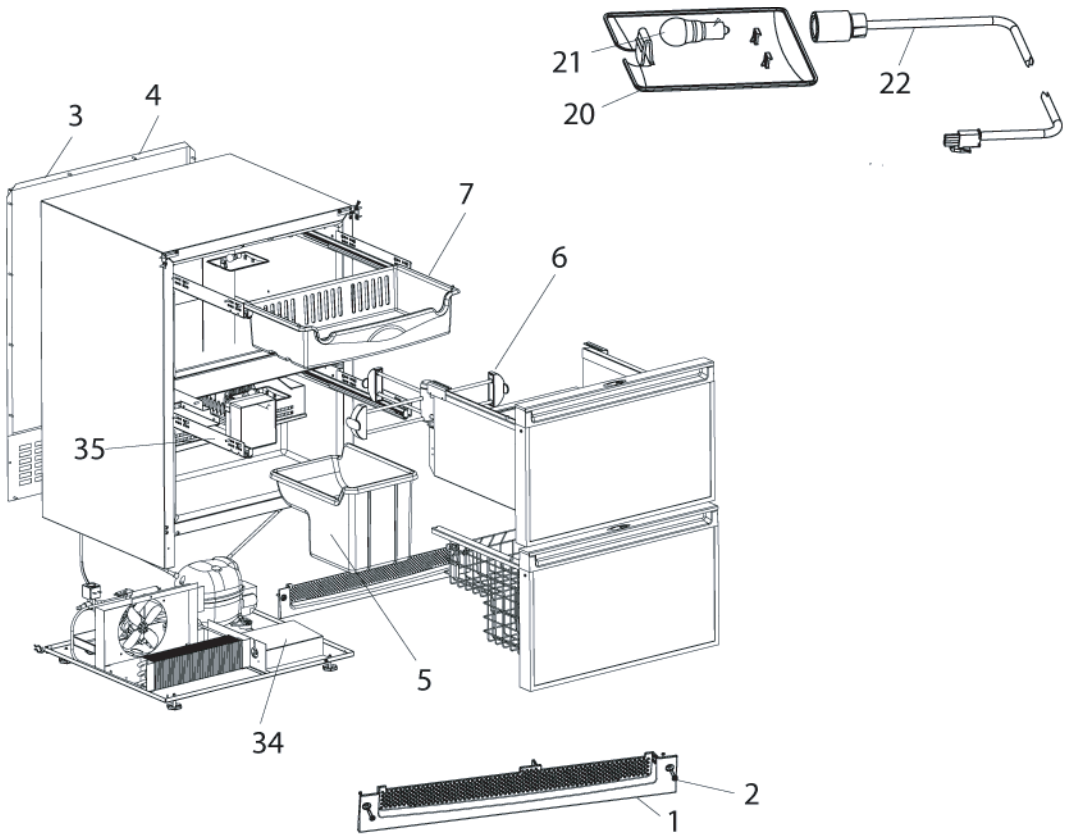
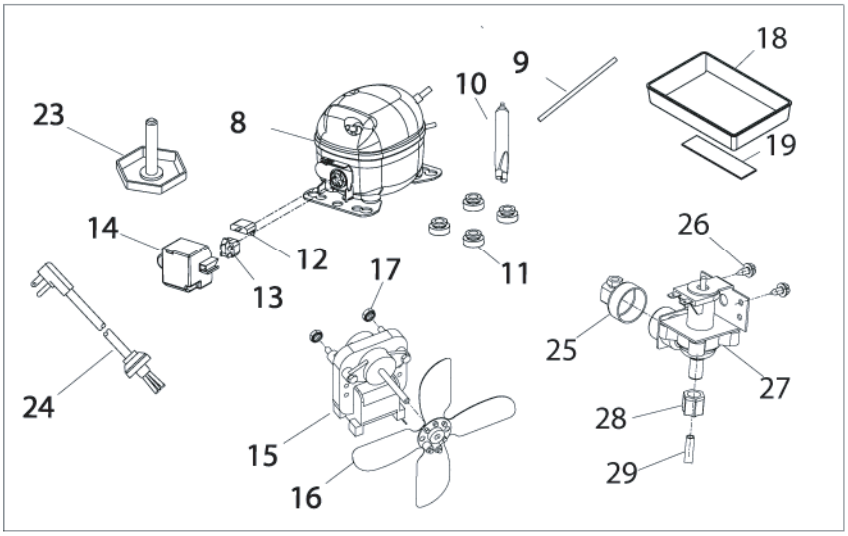
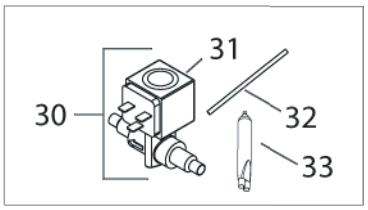
Item	Part No. Black	Part No. White	Part No. Stainless Steel	Description
1	68092	68092	68092	Thermistor, quick connect white
2	68072-S	68072-S	68072-S	Circuit Board Assembly
3	68080	68080	68080	Switch jumper (included with 68072-S)
4	41992	41992	41992	Support, circuit board (included with 68072-S)
5	41993	41993	41993	Support, circuit board (included with 68072-S)
6	2950-02	2950-02	2950-02	Wire connector, 12-pin
7	26086	26086	26086	Liner, baseplate
8	68074	68074	68074	Display Assembly, Echelon
9	68059-01	68059-01	68059-01	Display glass, Echelon control
10	26089	26089	26089	Housing, display
11	42162	42162	42162	Screw, 8-18 x .75, plastite
12	2692	2692	2692	Dryer (included with 2303-FFS)
13	2800	2800	2800	Process tube (included with 2303-FFS)
14	2303-FFS	2303-FFS	2303-FFS	Condenser Assembly
15	2334-FFS	2334-FFS	2334-FFS	Evaporator Assembly (includes heat exchanger)
16	41158	41158	41158	Nut
17	2349	2349	2349	Drain Pan Assembly
18	41566	41566	41566	Washer
19	31434-1	31434-1	31434-1	Rivet
20	11855	11855	11855	Bracket, fan motor
21	5434	5434	5434	Fan motor, evaporator
22	31656	31656	31656	Fan blade, evaporator
23	42129	42129	42129	Screw
24	42099	42099	42099	Screw
25	11952	11952	11952	Fan cover, evaporator
26	11955	11955	11955	Cover, evaporator
27	31731	31731	31731	Drain tube
28	31410	31410	31410	Armaflex (included with #15)
29	2692	2692	2692	Dryer (included with #15)
30	2800	2800	2800	Process tube (included with #15)
31	66005	66005	66005	Heater, drain pan
32	80-35001-S	80-35001-S	80-35001-S	Freezer Housing Assembly
33	2348	2348	2348	Freezer shelf
34	26069-S	26069-S	26069-S	Freezer Door Assembly (includes 35, 36 & 37)
35	12013-S	12013-S	12013-S	Freezer Door Hinge Assembly (top & bottom)
36	42135	42135	42135	Spring, freezer door hinge
37	42157	42157	42157	Tape
38	66010	66010	66010	Reed Switch
39	20026	20026	20026	Screw
40	26091	26091	26091	Cover, thermistor
Not Shown	31154	31154	31154	Armaflex (included with #15)
Not Shown	35014	35014	35014	Tape, drain pan heater

CO2175DWR/CO2275DWR (1 of 4)



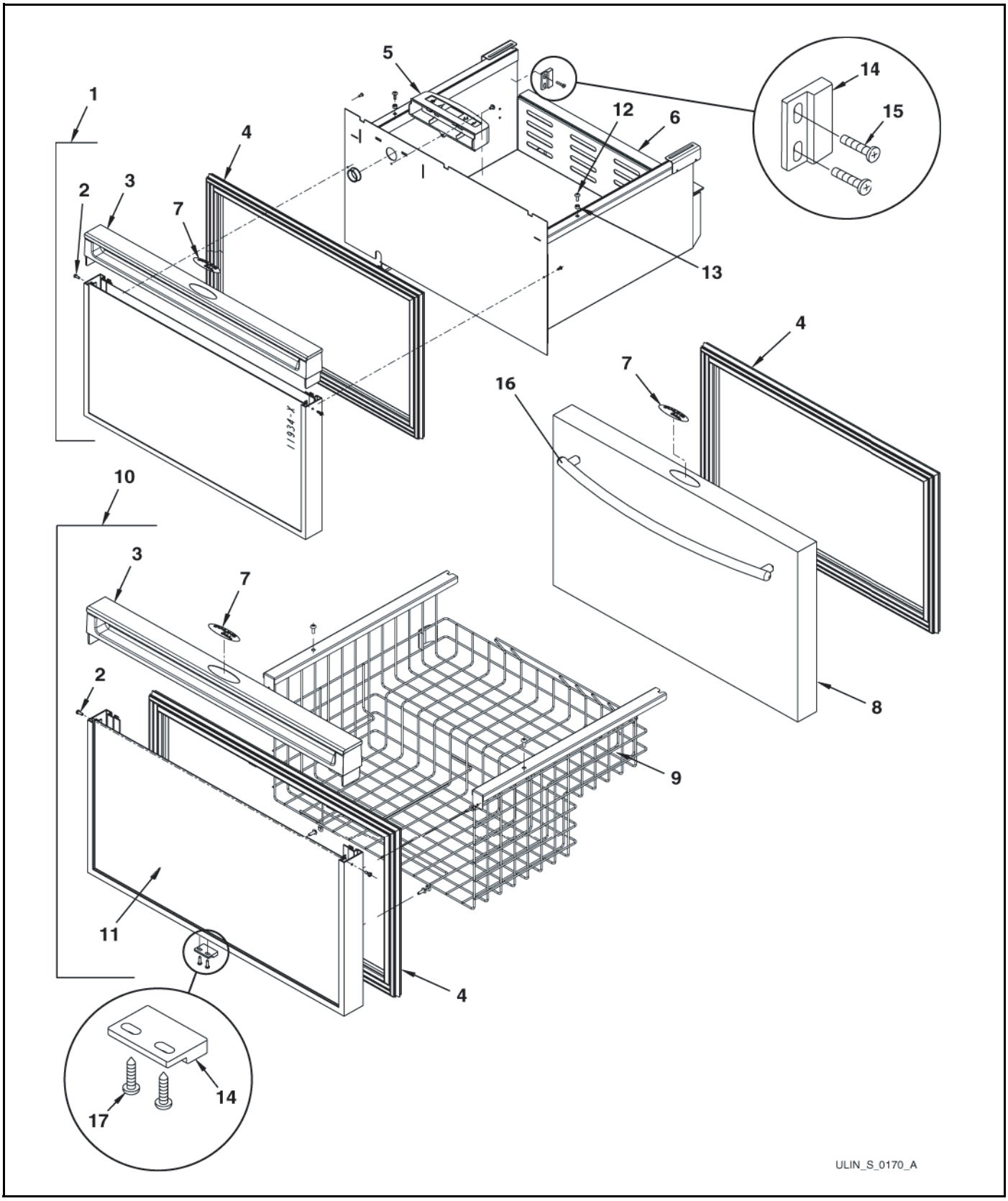




CO2175DWR/CO2275DWR (1 of 4)

Item	Part No. Black	Part No. Stainless Steel	Description
1	80-29010-01	80-29010-03	Grille
2	20033-BLK	20033-ZP	Screw (included with grille)
3	11969	11969	Back panel
4	41342	41342	Screw, back panel
5	26014	26014	Ice bucket
6	80-48001-00	80-48001-00	Drawer Organizer Assembly
7	26000	26000	Top crisper
8	70081-FFS	70081-FFS	Compressor
9	2800	2800	Process tube
10	72018	72018	Dryer
11	31021	31021	Grommet
12	71027	71027	Overload
13	71028	71028	Relay
14	70081-CAP	70081-CAP	Cover
15	5263-S	5263-S	Fan motor, condenser
16	5188	5188	Fan blade, condenser
17	41787	41787	Nut (included with 5263-S)
18	31550-1-S	31550-1-S	Drain Pan Assembly
19	31664	31664	Tape
20	11859	11859	Lens, light housing
21	31317	31317	Light bulb, 10W, 120V
22	2891-01	2891-01	Light Socket Assembly
23	41319	41319	Foot, leveler
24	2946	2946	Power cord
25	41826	41826	Fitting, brass, 90°
26	41893-ZP	41893-ZP	Screw
27	2552A	2552A	Water valve
28	41254	41254	Plastic Nut & Sleeve Assembly
29	404-CO207DWR	404-CO207DWR	Water Line Assembly
30	73002-FFS	73002-FFS	Hot Gas Valve Assembly, Danfoss
31	73002-2	73002-2	Solenoid only (included with 73002-FFS)
32	2800	2800	Process tube (included with 73002-FFS)
33	72018	72018	Dryer (included with 73002-FFS)
34	14147-01	14147-01	Splash guard
35	80-47002-00	80-47002-00	Slide Assembly (set of 2)

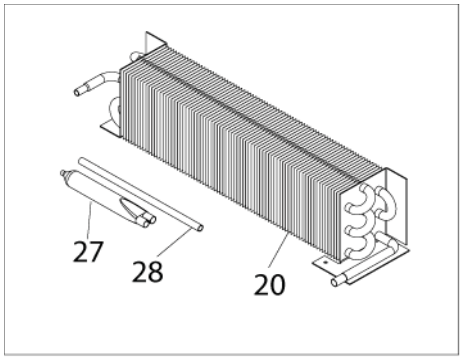
CO2175DWR/CO2275DWR (2 of 4)

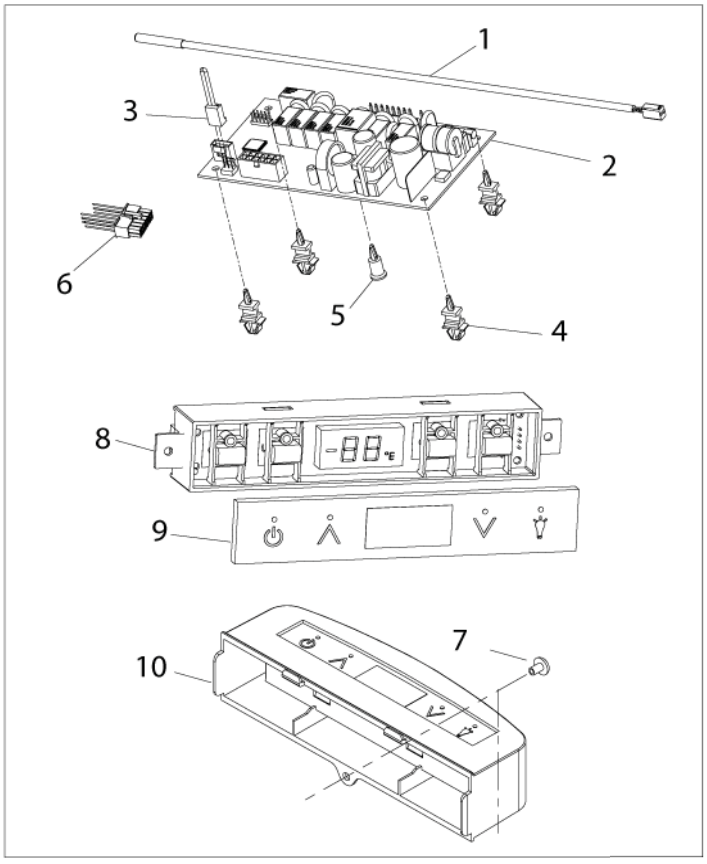


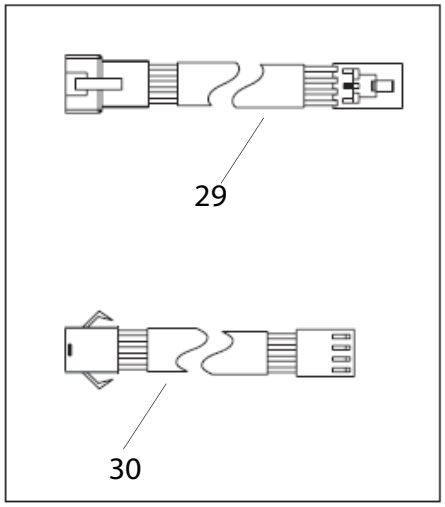
CO2175DWR/CO2275DWR (2 of 4)

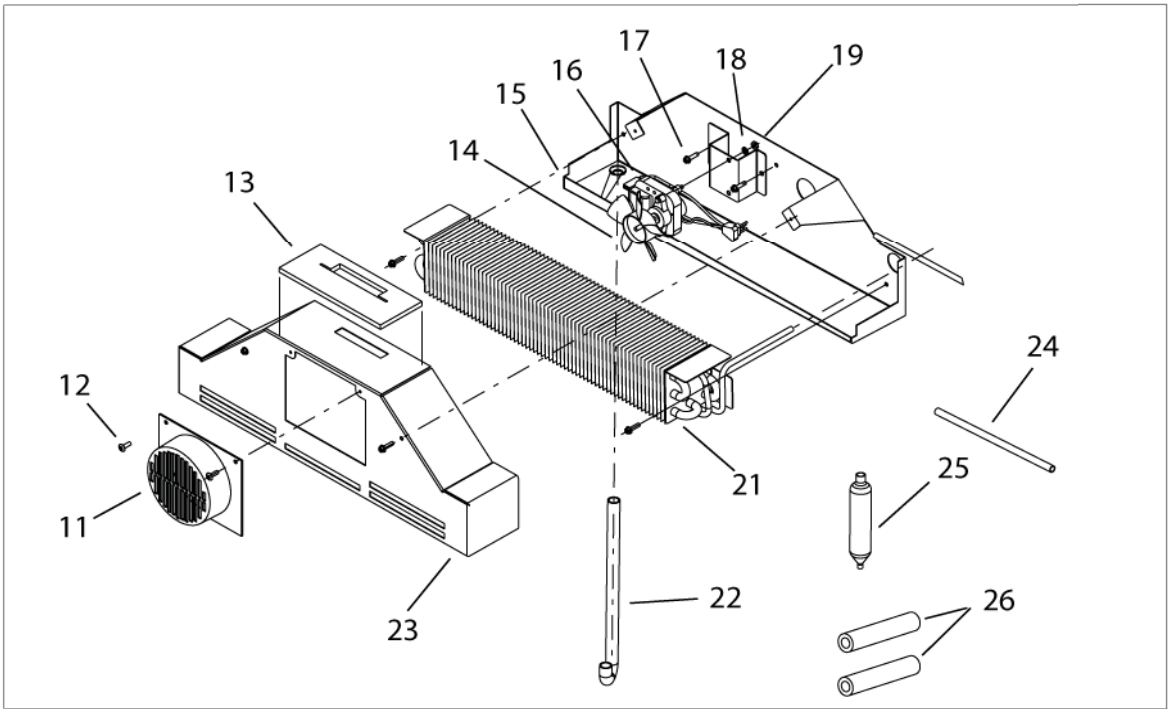
Item	Part No. Black	Part No. Stainless Steel	Description
1	2175DWR-TOP-BLK	N/A	Drawer Front Assembly, top
2	41604	N/A	Screw, handle
3	26070-05-S	N/A	Overlay handle
4	12094-07	12094-08	Gasket, drawer
5	26094	26094	Display housing
6	14138-02	14138-02	Drawer, no front, top
7	23025	23025	Nameplate
8	N/A	11939-05-S	Stainless steel wrap only (includes handle)
9	18025	18025	Freezer basket, no front, bottom
10	2175DWR-BTM-BLK	N/A	Drawer Front Assembly, bottom
11	11933-18-BLK	N/A	Front panel only
12	41156	41156	Screw
13	41965	41965	Spacer, nylon
14	66016	66016	Magnet
15	41259	41259	Rivet, magnet
16	N/A	14160-05	Towel Bar Handle Assembly
17	20026	20026	Screw, magnet
Not Shown	26070-01-S	N/A	Full handle
Not Shown	N/A	14159-05	Commercial handle (accessory only)

CO2175DWR/CO2275DWR (3 of 4)





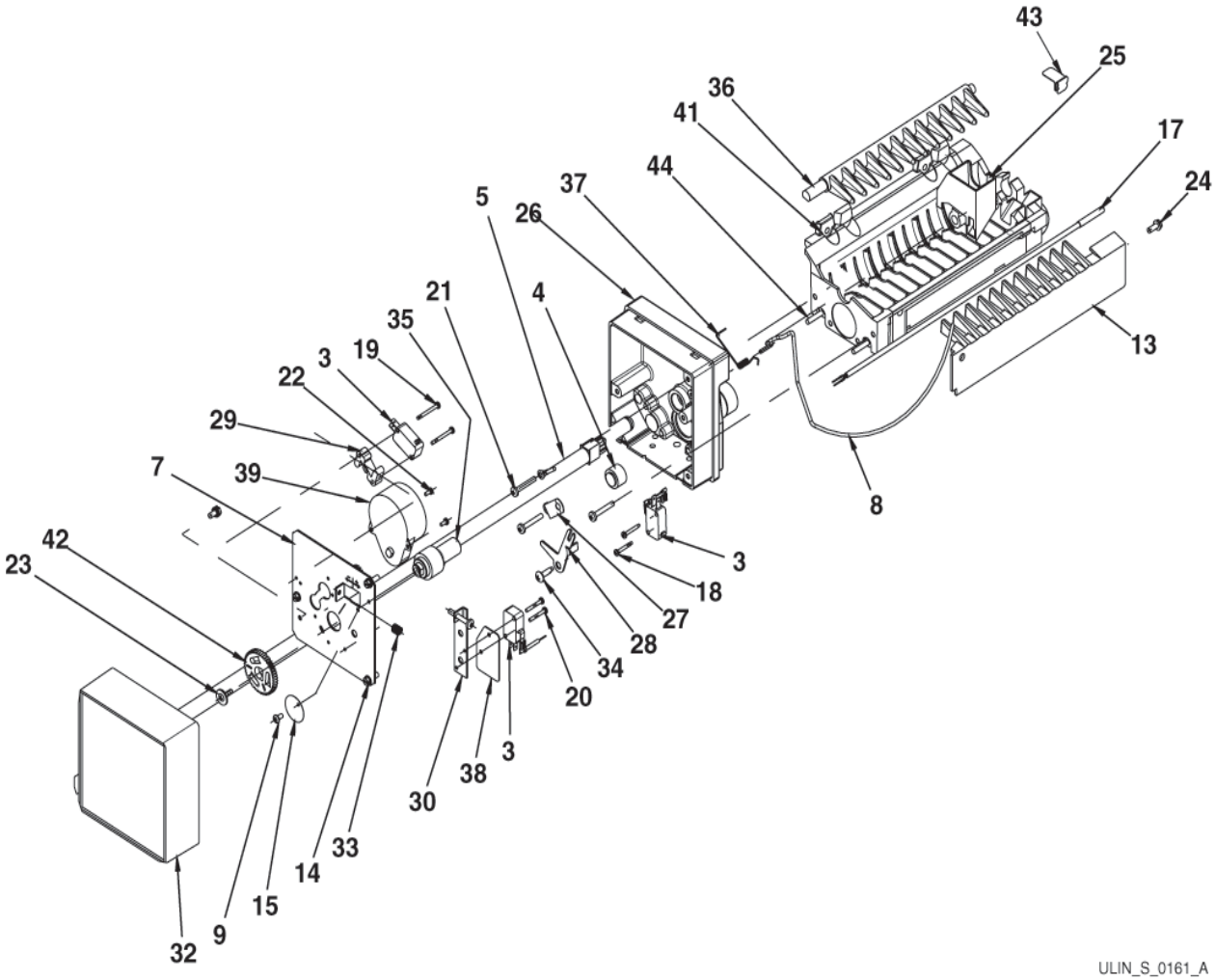




CO2175DWR/CO2275DWR (3 of 4)

Item	Part No. Black	Part No. Stainless Steel	Description
1	68092	68092	Thermistor, quick connect white
2	68072-S	68072-S	Circuit Board Assembly
3	68080	68080	Switch jumper (included with 68072-S)
4	41992	41992	Support, circuit board (included with 68072-S)
5	41993	41993	Support, circuit board (included with 68072-S)
6	2950-03	2950-03	Wire connector, 12-pin
7	20004	20004	Screw, 8-18 x .75, plastite
8	68074	68074	Display Assembly, Echelon
9	68059-01	68059-01	Display glass, Echelon control
10	26094	26094	Housing, display
11	11952	11952	Fan cover, evaporator
12	4816	4816	Screw, fan cover, evaporator
13	35005	35005	Chimney panel insulator
14	31656	31656	Fan blade, evaporator
15	14038	14038	Drain pan
16	5434	5434	Fan motor, evaporator
17	41444	41444	Screw, fan motor
18	41566	41566	Washer
19	41158	41158	Nut
20	2303-FFS	2303-FFS	Condenser Assembly
21	74002-S	74002-S	Evaporator Assembly (includes heat exchanger)
22	31726	31726	Drain tube
23	11952	11952	Cover, evaporator
24	2800	2800	Process tube (included with 74002-S)
25	72018	72018	Dryer (included with 74002-S)
26	31154	31154	Armaflex (included with 74002-S)
27	72018	72018	Dryer (included with 2303-FFS
28	2800	2800	Process tube (included with 2303-FFS)
29	2953	2953	Wire from display
30	2952	2952	Wire from main board

CO2275DWR (4 of 4)



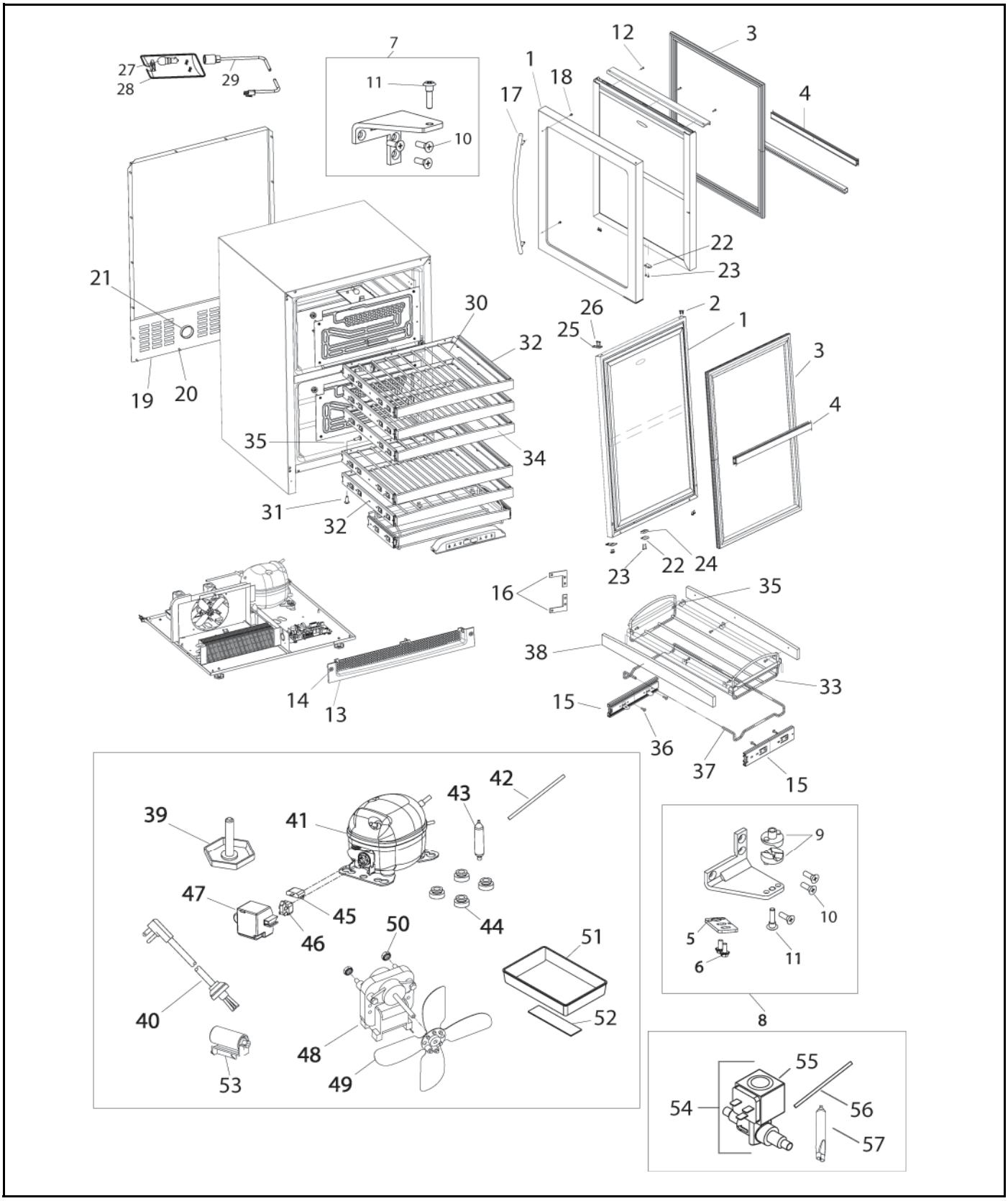
CO2275DWR (4 of 4)

Item	Part No.	Description
	80-39011-00	Ice Maker Assembly
	150-DWRCO	Faceplate Assembly
1	2506*	Hold switch
2	2506*	Bin switch
3	2506*	Valve switch
4	2917	Limit switch
5	2918	Wire harness
7	11641*†	Face plate
8	18031	Bin arm
9	20044	Screw
13	31400	Stripper
14	41375	Screw, plate
15	41434	Warning label
17	68092	Thermistor
18	488360	Screw, bin, sw
19	488361*	Screw, long, sw
20	488362*	Screw, short, sw
21	488372*†	Screw, spring and housing
22	488622*	Screw, motor
23	488957*†	Screw, gear
24	489128	Screw, stripper
25	544304	Water cup
26	625827	Support housing
27	625829	Clamp
28	625830	Arm lever
29	31403*	Spacer, switch
30	625836*†	Valve switch plate
32	627000-BLK	Cover, black
33	627163*†	Spring
34	627199	Screw, arm lever
35	627302†	Cam
36	627375	Ejector
37	627526	Spring, bin arm
38	627680*	Insulator
39	80-39015-00*	Motor
41	628123-S-E75	Mold and Heater Assembly
42	628210*†	Gear
43	652604	Waterline clip
44	625843-S	Mold heater

* included with 150-DWRCO

† included with 80-39015-00 motor

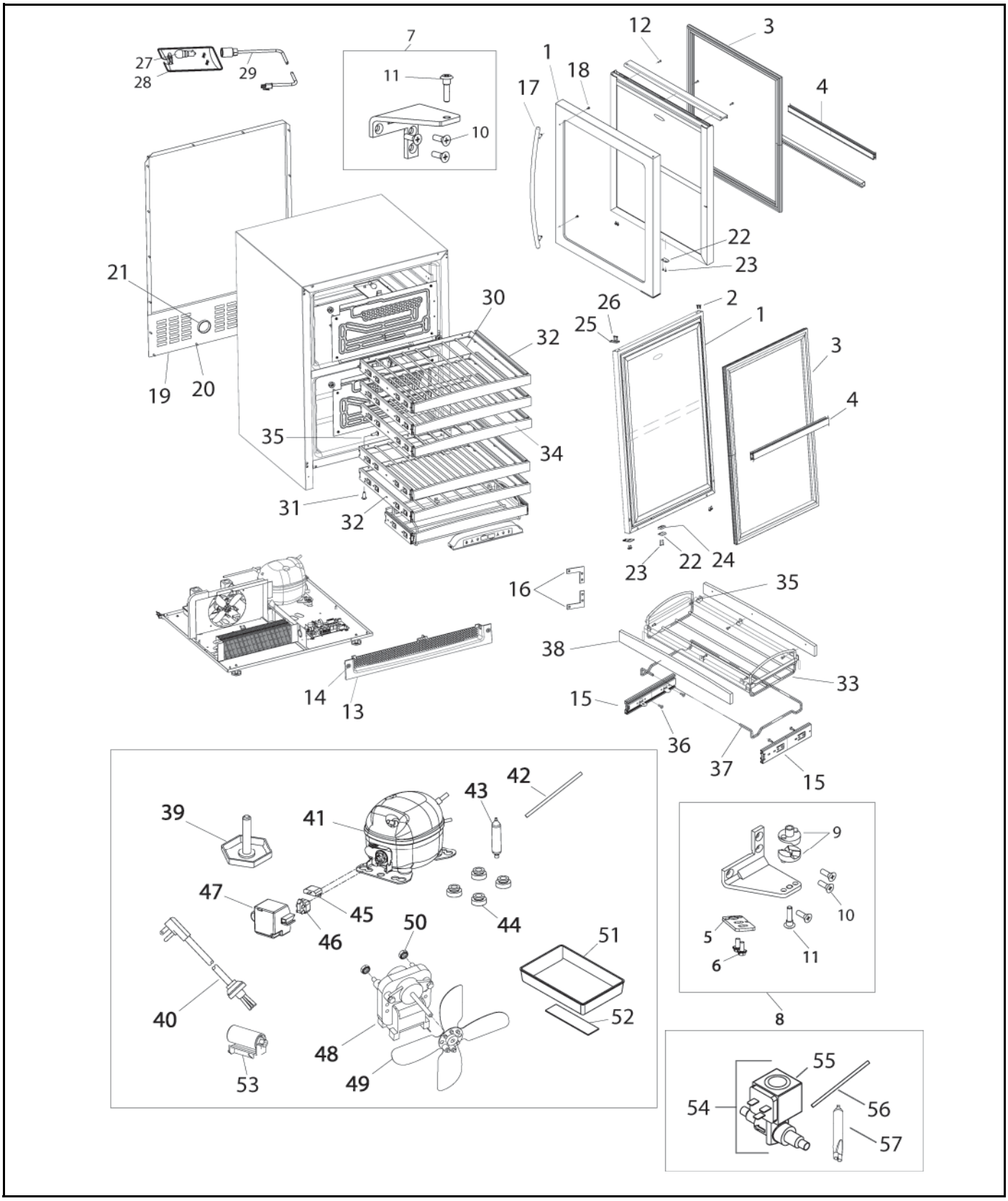
2275ZWC/2275ZWCOL (1 of 3)



2275ZWC/2275ZWCOL (1 of 3)

Item	Part No. Overlay	Part No. Stainless Steel	Description
1	80-17104-01	80-17100-13	Door, LH
	80-17104-01	80-17100-03	Door, RH
2	42173-BLK	N/A	Hole plug (included with handle assembly)
3	12094-01	12094-01	Gasket, door
4	12095-10	12095-10	Gasket, door, center
5	11994-BLK-S	11994-BLK-S	Pivot plate
6	42161-ZP	42161-SS	Screw, pivot plate
7	11995-S-BLK	11995-S-SS	Hinge Assembly, top
8	11996-S-BLK	11996-S-SS	Hinge Assembly, bottom
9	31673-S	31673-S	Door Closer Assembly
10	42101-BLK	42101-SS	Screw, hinge (included with hinge assembly)
11	42096	42096	Pivot post (included with hinge assembly)
12	N/A	42174	Screw, handle
13	80-29010-01	80-29010-03	Grille
14	20033-BLK	20033-ZP	Screw (included with grille)
15	23031-03	23031-03	Caddy Slide Assembly (set of 2)
16	16002	16002	Hinge Backing Plate Assembly
17	N/A	14160-01	Towel Bar Handle Assembly
18	N/A	42003	Screw (included with towel bar handle)
19	11969	11969	Back panel
20	41342	41342	Screw, back panel
21	42125	42125	Hole cover, perforated
22	66016	66016	Magnet
23	20050	20050	Screw, magnet
24	66019	66019	Magnet Spacer
25	14203	N/A	Pivot plate, top
26	20023	N/A	Screw, pivot plate, top
27	11859	11859	Lens, light housing
28	31317	31317	Light bulb, 10W, 120V
29	2891-01	2891-01	Light Socket Assembly
30	18066-Vinyl	18066-Vinyl	Wine Rack
31	4816	4816	Screw, #18-18 x 1/2 (included with 23027-03)
32	23027-03	23027-03	Slide Assembly (set of 2)
33	18059	18059	Wine Caddy Assembly
34	39004-01	39004-01	Wood, front
35	42106	42106	Screw, wood, #6-32 x .38
36	4816	4816	Screw, #8-18 x 1/2 (included with 23031-03)
37	18058	18058	Wine Caddy
38	39011	39011	Wood, front (included with 18059)
Not Shown	N/A	14159-01	Commercial handle (SS accessory only)

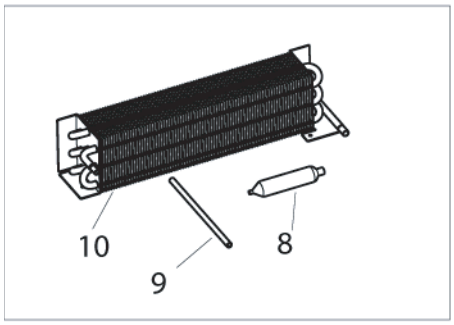
2275ZWC/2275ZWCOL (2 of 3)

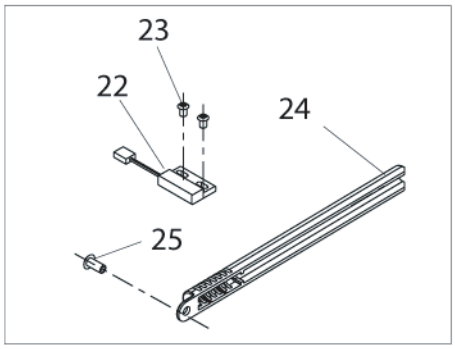


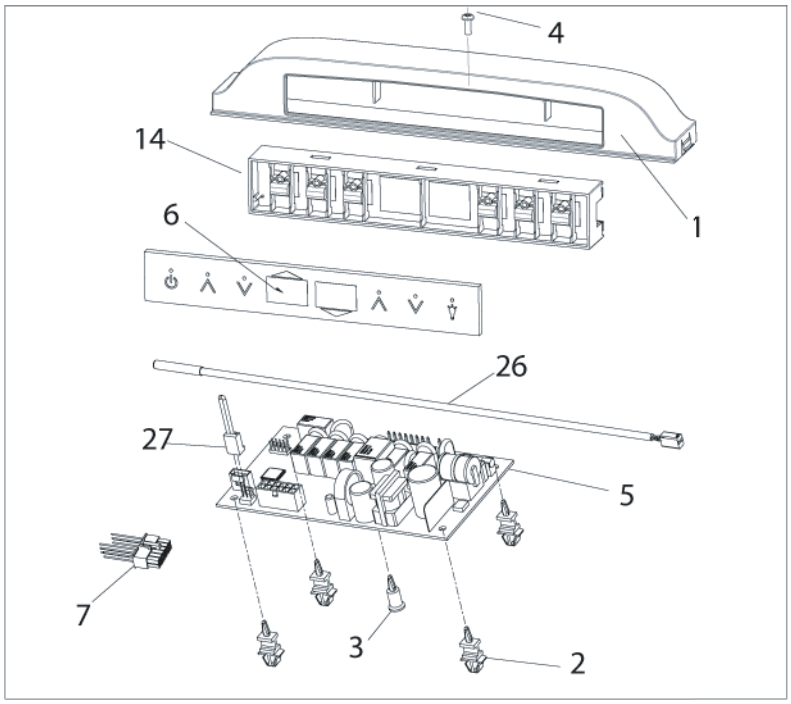
2275ZWC/2275ZWCOL (2 of 3)

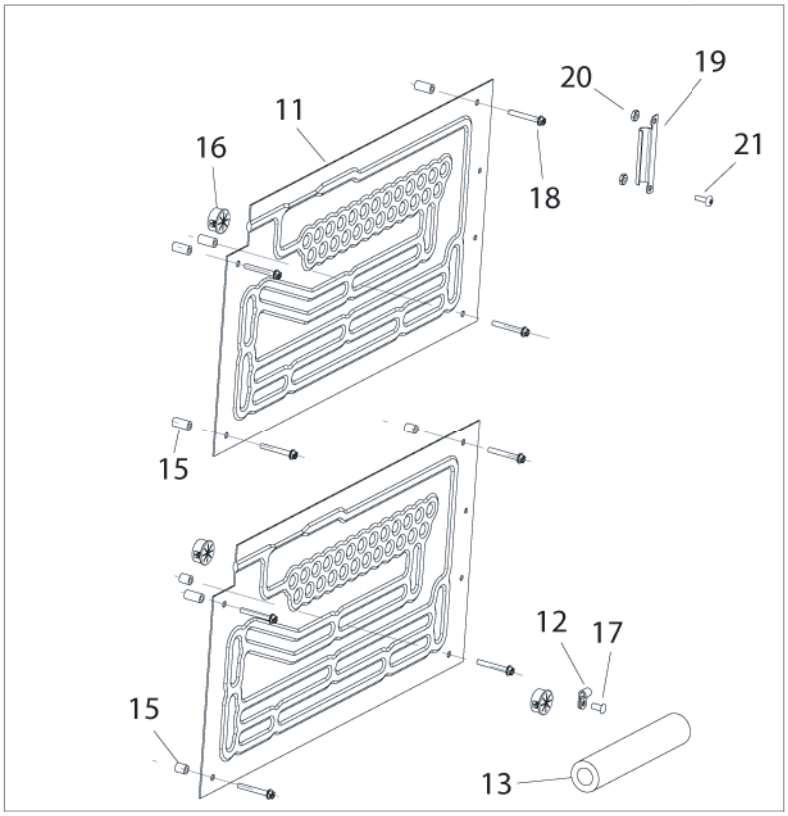
Item	Part No. Overlay	Part No. Stainless Steel	Description
39	41319	41319	Foot, leveler, 1/4-20
40	2948	2948	Power cord
41	70077-S	70077-S	Compressor
42	2800	2800	Process tube (included with compressor)
43	2694	2694	Dryer (included with compressor)
44	31021	31021	Grommet (included with compressor)
45	71009	71009	Overload (included with compressor)
46	71010	71010	Relay (included with compressor)
47	70077-CAP	70077-CAP	Cover (included with compressor)
48	5263-S	5263-S	Fan motor, condenser
49	5188	5188	Fan blade, condenser
50	41787	41787	Nut (included with 5263-S)
51	31550-1-S	31550-1-S	Drain Pan Assembly
52	31664	31664	Tape (included with #51)
53	71013	71013	Capacitor
54	73002-S	73002-S	Hot Gas Valve Assembly, Danfoss
55	73002-2	73002-2	Solenoid only (included with 73002-S)
56	2800	2800	Process tube (included with 73002-S)
57	2694	2694	Dryer (included with 73002-S)

2275ZWC/2275ZWCOL (3 of 3)





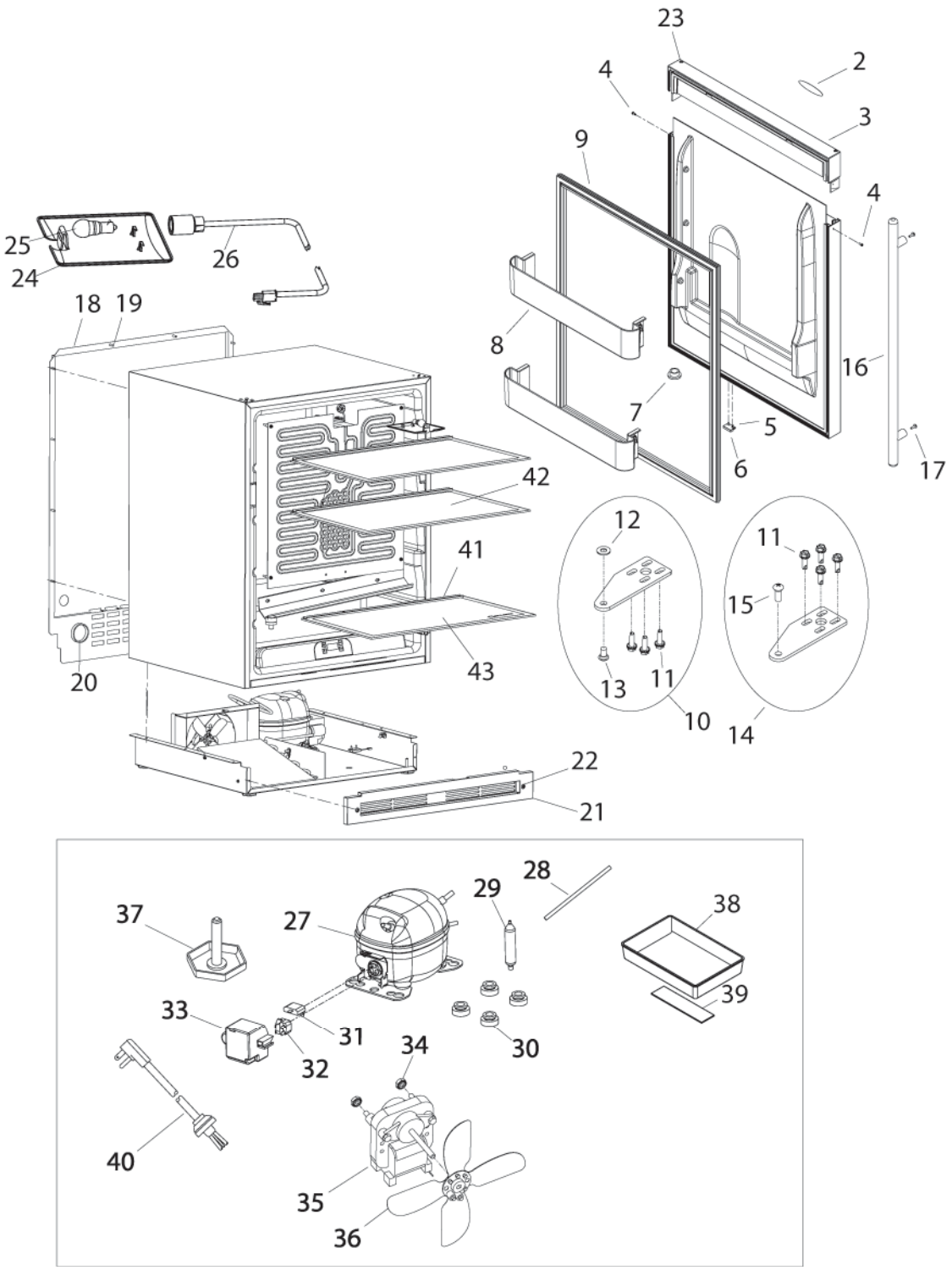




2275ZWC/2275ZWCOL (3 of 3)

Item	Part No. Overlay	Part No. Stainless Steel	Description
1	26100	26100	Display housing
2	41992	41992	Support, circuit board (included with 68084-S)
3	41993	41993	Support, circuit board (included with 68084-S)
4	42106	42106	Screw, #6-32 x .38
5	68084-S	68084-S	Main Circuit Board Assembly
6	68091-01	68091-01	Glass, display
7	2950-04	2950-04	Pin connector
8	2694	2694	Dryer (included with 2303-S)
9	2800	2800	Process tube (included with 2303-S)
10	2303-S	2303-S	Condenser Asssembly
11	2649-02-S	2649-02-S	Evaporator Assembly
12	21009	21009	Clamp, cable
13	31154	31154	Insulation
14	68090	68090	Display
15	21024	21024	Spacer
16	31386	31386	Bushing, black
17	31434-2	31434-2	Rivet, black
18	41855-02	41855-02	Screw, #8-8 x 1.25, SS
19	11835	11835	Clamp, control bulb
20	41158	41158	Nut
21	41156-02	41156-02	Screw
22	66010	66010	Reed switch
23	20026	20026	Screw, reed switch
24	26091-02	26091-02	Cover, thermistor
25	21012-BLK	21012-BLK	Rivet
26	68092	68092	Thermistor
27	68080	68080	Jumper (included with 68084-S)

1175R (1 of 2)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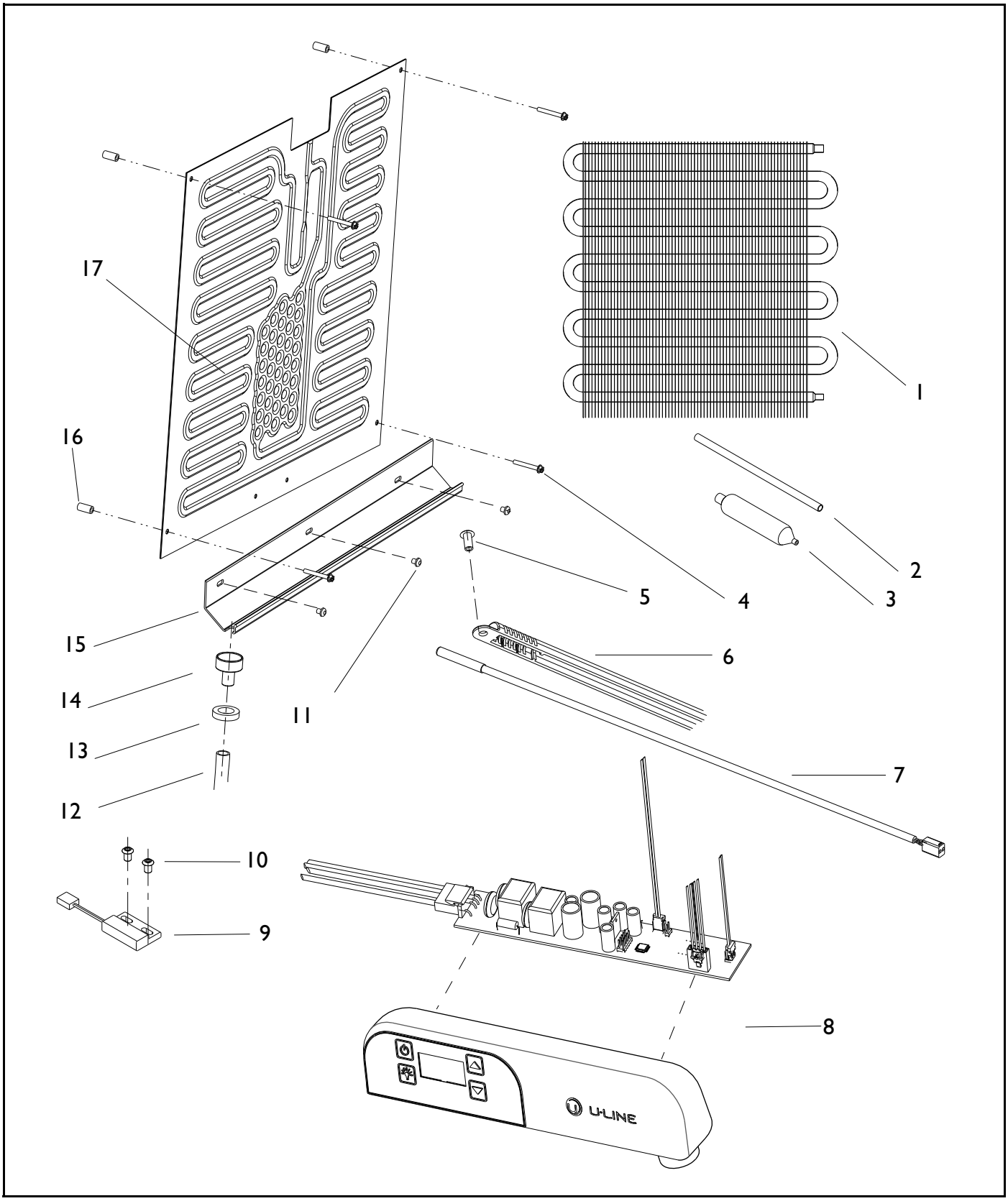
1175R (1 of 2)

Item	Part No. Black	Part No. White	Part No. Stainless Steel	Description
1	80-17051-01	80-17051-02	80-17067-03-E	Door Assembly, right-hand
	N/A	N/A	80-17067-13-B	Door Assembly, left-hand
2	23051-01	23051-01	23051-01	Nameplate
3	26078-01	26078-02	N/A	Handle Assembly
4	41604	41725	N/A	Screw, handle
5	20031	20031	20031	Screw, magnet
6	66016	66016	66016	Magnet
7	31309-BLK	31309-WHT	N/A	Bushing, door
8	26031	26031	26031	Door shelf
9	31493-4-BLK	31493-4-WHT	31493-4-BLK	Gasket, door
10	11849-SB-BLK	11849-SB-KIT	14136-SB	Hinge Assembly, bottom
11	20042-BLK	20042-ZP	20042-BLK	Screw (included with hinge assembly)
12	N/A	N/A	21017	Washer (included with hinge assembly)
13	41785-SSB	41785-SSW	41785-SSB	Pivot screw, bottom (included with hinge assembly)
14	11849--ST-BLK	11849-ST-KIT	14136-ST	Hinge Assembly, top
15	41747-SSB	41747-SSW	41747-SSB	Pivot screw (included with hinge assembly)
16	N/A	N/A	23050-01	Towel Bar Handle Assembly (SS accessory only)
18	11769	11769	11769	Back panel
19	41342	41342	41342	Screw, back panel
20	42125	42125	42125	Hole cover, solid
21	80-29094-01	80-29094-02	80-29094-01	Grille
22	20033-BLK	20033-ZP	20033-BLK	Screw (included with grille)
23	31447-BLK	31447-WHT	31447-BLK	Hole plug
24	11859	11859	11859	Lens, light housing
25	31317	31317	31317	Light bulb, 10W, 120V
26	2891-01	2891-01	2891-01	Light Socket Assembly
27	5400-S	5400-S	5400-S	Compressor Assembly, EM130HER
28	2800	2800	2800	Process tube (included with 5400-S)
29	2694	2694	2694	Dryer (included with 5400-S)
30	31021	31021	31021	Grommet (included with 5400-S)
31	5411	5411	5411	Overload (included with 5400-S)
32	5412	5412	5412	Relay (included with 5400-S)
33	5400-CAP	5400-CAP	5400-CAP	Cap (included with 5400-S)
34	41787	41787	41787	Nut (included with 5263-S)
35	5263-S	5263-S	5263-S	Fan motor, condenser
36	5188	5188	5188	Fan blade, plastic
37	41319	41319	41319	Foot, leveler, 1/4-20
38	31550-1-S	31550-1-S	31550-1-S	Drain pan
39	31664	31664	31664	Tape (included with 31550-1-S)
40	2938-2	2938-2	2938-2	Power cord
41	25032-1	25032-1	25032-1	Edge trim, rear
42	40010-14	40010-14	40010-14	Glass shelf
43	40010-15	40010-15	40010-15	Glass shelf

1175R (2 of 2)

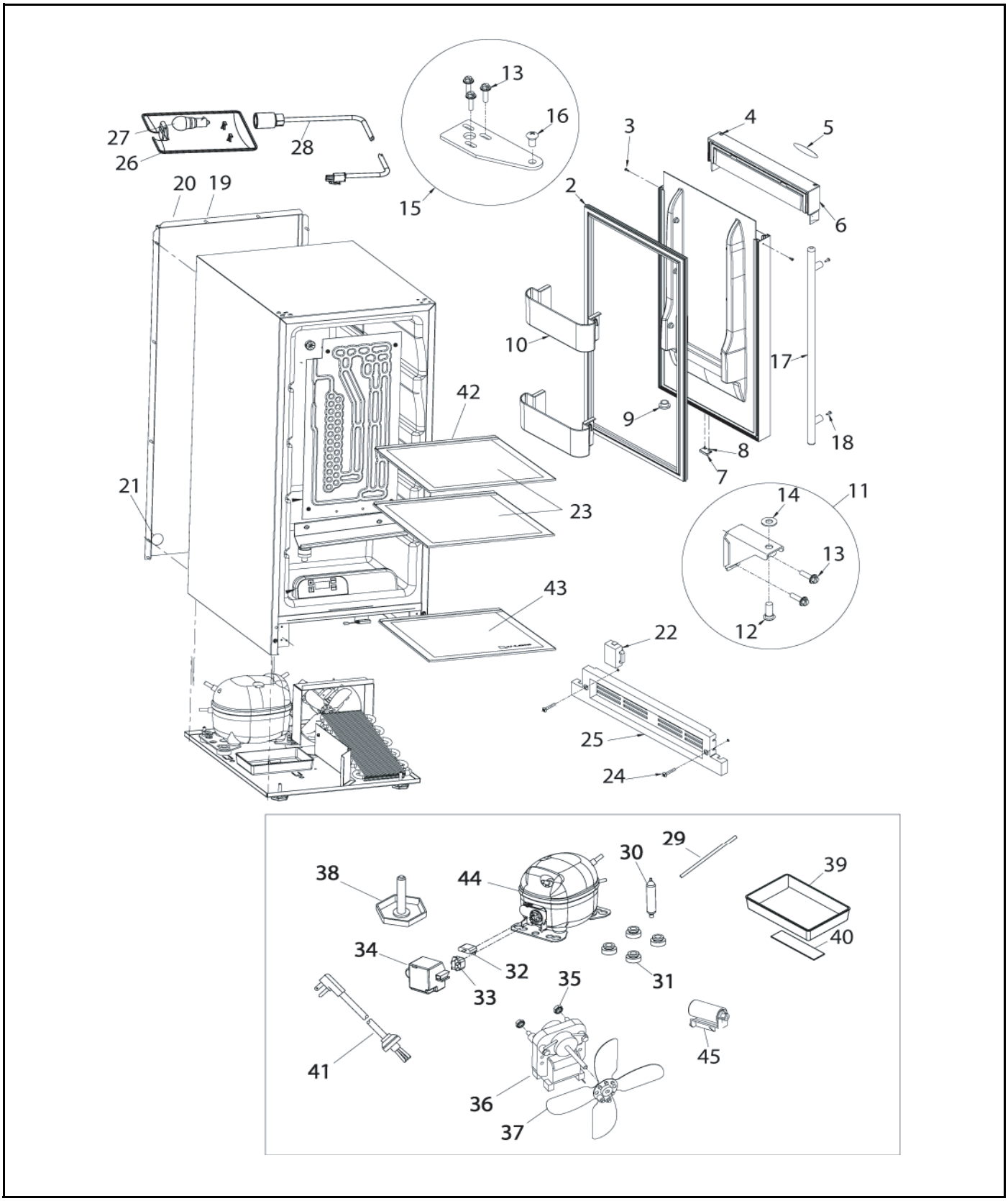


1175R (2 of 2)

Item	Part No.	Description
1	1951-S	Condenser Assembly **
2	2800	Process tube
3	2694	Dryer
4	41855	Screw, evaporator
5	31434-1	Rivet, thermostat cover
6	26091	Cover, thermistor
7	68073	Thermistor, quick connect white
8	26059-02	Control Display Assembly
9	66010	Reed switch
10	20026	Screw, reed switch
11	21012-WHT	Rivet, white
12	31579	Formed drain tube
13	31578	Washer, drain tube
14	11508	Drain cup
15	31391-3	Drain trough
16	31213	Spacer, evaporator
17	2333-S	Evaporator Assembly **

** Includes Dryer & Process Tube

1115R (1 OF 2)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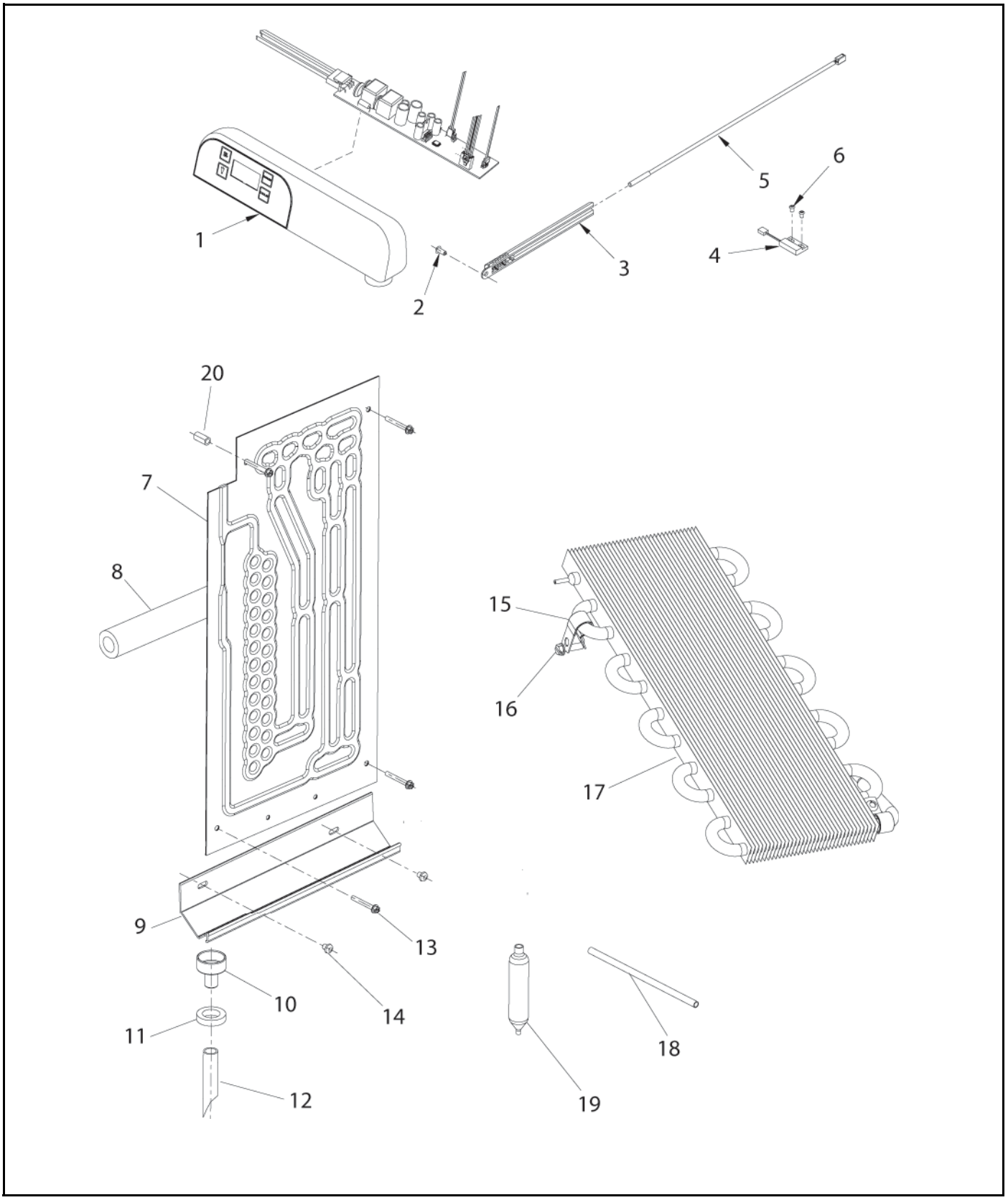
1115R (1 OF 2)

Item	Part No. Black	Part No. Stainless Steel	Description
1	80-17062-01	80-17066-03-C	Door Assembly, RH
	N/A	80-17066-13-C	Door Assembly, LH
2	31493-6-BLK	31493-6-BLK	Gasket, door
3	41604	N/A	Screw, handle
4	31447-BLK	31447-BLK	Hole plug
5	23051-01	23051-01	Nameplate
6	26077-01	N/A	Handle Assembly
7	66016	66016	Magnet
8	20031	20031	Screw, magnet
9	31309-BLK	N/A	Bushing, door
10	26032	26032	Door shelf
11	11695-S-BLK	14127-SB	Hinge Assembly, bottom
12	41785-SSB	41785-SSB	Pivot screw, bottom
13	41893-BLK	41893-BLK	Screw, hinge
14	N/A	21017	Washer
15	11697-STBLK	14126-ST	Hinge Assembly, top
16	41747-SSB	41747-SSB	Pivot screw, top
17	N/A	23050-01	Towel Bar Handle Assembly (SS accessory only)
19	41342	41342	Screw, back panel
20	41802	41802	Back panel
21	42125	42125	Hole cover, solid
22	26060-BLK	26060-BLK	Hinge hole cover (included with 80-29011-01)
23	40010-17	40010-17	Glass shelf
24	20033-BLK	20033-BLK	Screw (included with 80-29011-01)
25	80-29011-01	80-29011-01	Grille
26	11859	11859	Lens, light housing
27	31317	31317	Light bulb, 10W, 120V
28	2891-01	2891-01	Light Socket Assembly
29	2800	2800	Process tube (included with 70077-S)
30	2694	2694	Dryer (included with 70077-S)
31	31021	31021	Grommet (included with 70077-S)
32	71009	71009	Overload (included with 70077-S)
33	71010	71010	Relay (included with 70077-S)
34	70077-CAP	70077-CAP	Cap (included with 70077-S)
35	41787	41787	Nut (included with 5263-S)
36	5263-S	5263-S	Fan motor, condenser
37	5188	5188	Fan blade, plastic
38	41319	41319	Foot, leveler, 1/4-20
39	31550-1-S	31550-1-S	Drain pan
40	31664	31664	Tape (included with 31550-1-S)
41	2938-2	2938-2	Power cord
42	25032-3	25032-3	Edge trim, rear
43	40010-18	40010-18	Glass shelf
44	70077-S	70077-S	Compressor
45	71008	71008	Capacitor (included with 70077-S)

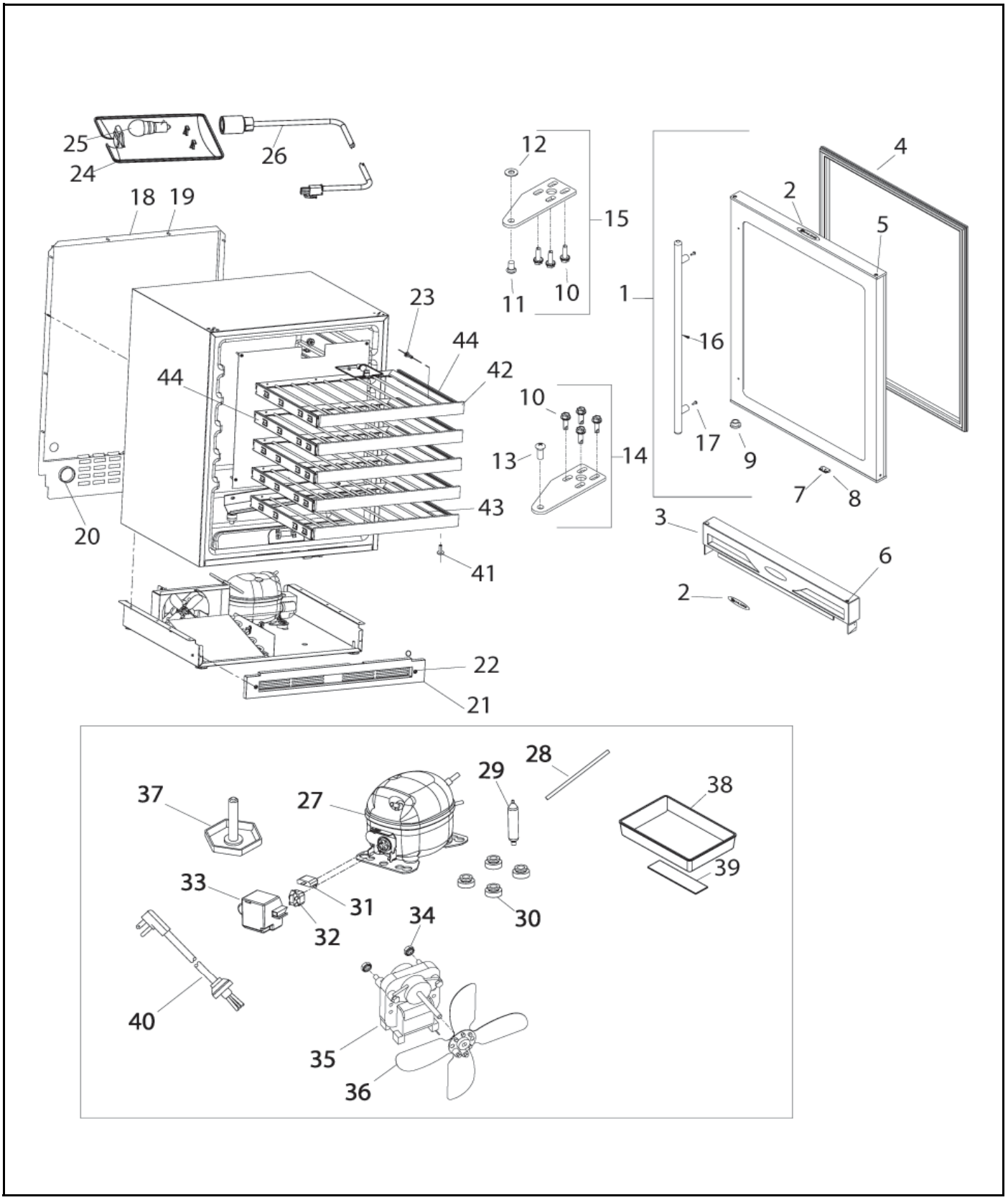
1115R (2 of 2)



1115R (2 of 2)

Item	Part No.	Description
1	26059-02	Control Display Assembly
2	31434-1	Rivet, thermostat cover
3	26091	Cover, thermistor
4	66010	Reed switch
5	68073	Thermistor, quick connect white
6	41863	Rivet, reed switch
7	2878-01-S	Evaporator, roll-bond
8	31154	Insulation, .38 ID x .88 OD, black
9	31391-2	Drain trough, white
10	11508	Funnel drain cup
11	31578	Washer, drain tube, white
12	31594	Drain tube
13	41855	Screw, 8-18 x 1.25, SS
14	21012-WHT	Rivet, white
15	41318	Mounting clamp
16	41342	Mounting screw
17	2223-S	Condenser Assembly
18	2800	Process tube (included with 2223-S)
19	2694	Dryer, R-134A (included with 2223-S)
20	31213	Spacer

1175WC (1 of 2)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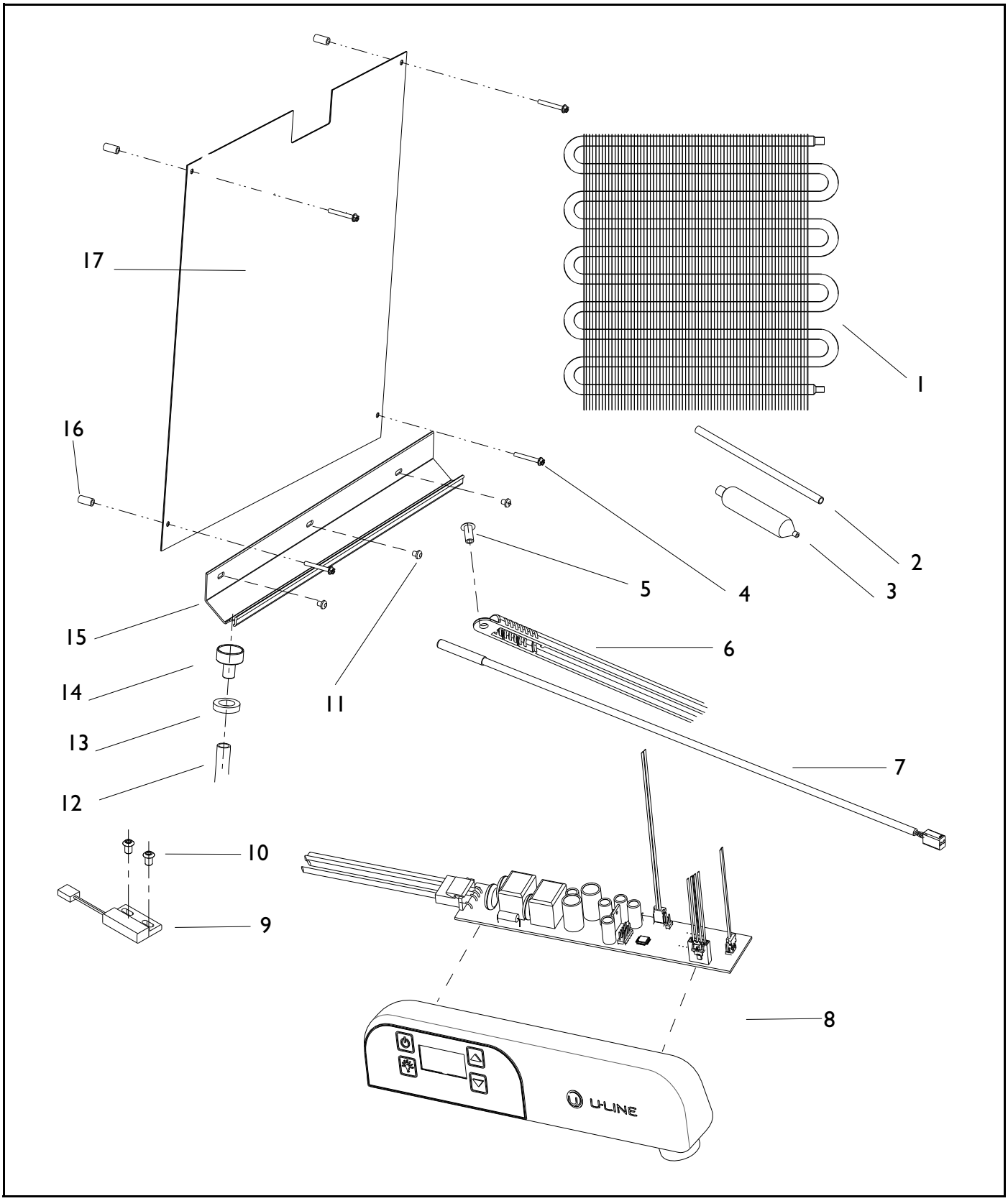
1175WC (1 of 2)

Item	Part No. Black	Part No. Stainless Steel	Description
1	80-17070-01	80-17069-03-G	Door Assembly, SS door is field reversable
2	23051-01	23051-01	Nameplate
3	26078-01	N/A	Handle Assembly
4	31493-4-BLK	31493-4-BLK	Gasket, door
5	31447-BLK	31447-BLK	Hole plug
6	41604	N/A	Screw, handle
7	20031	20031	Screw, magnet
8	66016	66016	Magnet
9	31309-BLK	N/A	Bushing, door
10	20042-BLK	20042-BLK	Screw, hinge (included with hinge assembly)
11	41747-SSB	41747-SSB	Pivot screw, bottom (included with hinge assembly)
12	N/A	21017	Washer (included with hinge assembly)
13	41785-SSB	41785-SSB	Pivot screw, top (included with hinge assembly)
14	11849-ST-BLK	14136-ST	Hinge Assembly, top
15	11849-SB-BLK	14136-SB	Hinge Assembly, bottom
16	N/A	23050-01	Towel Bar Handle Assembly (SS accessory only)
18	11769	11769	Back panel
19	41342	41342	Screw, back panel
20	42125	42125	Hole cover, solid
21	80-29094-01	80-29094-01	Grille
22	20033-BLK	20033-BLK	Screw (included with grille)
23	42106	42106	Screw, wood
24	11859	11859	Lens, light housing
25	31317	31317	Light bulb, 10W, 120V
26	2891-01	2891-01	Light Socket Assembly
27	5400-S	5400-S	Compressor Assembly, EM130HER
28	2800	2800	Process tube (included with 5400-S)
29	2694	2694	Dryer (included with 5400-S)
30	31021	31021	Grommet (included with 5400-S)
31	5411	5411	Overload (included with 5400-S)
32	5412	5412	Relay (included with 5400-S)
33	5400-CAP	5400-CAP	Cap (included with 5400-S)
34	41787	41787	Nut (included with 5263-S)
35	5263-S	5263-S	Fan motor, condenser
36	5188	5188	Fan blade, plastic
37	41319	41319	Foot, leveler, 1/4-20
38	31550-1-S	31550-1-S	Drain pan
39	31664	31664	Tape (included with 31550-1-S)
40	2938-2	2938-2	Power cord
41	4816	4816	Screw
42	11988-03	11988-03	Wood front
43	18066-01	18066-01	Wine rack
44	23026-03-S	23026-03-S	Slide Assembly (set of 2)
Not Shown	26147	26147	Door Spacer, for Field Reversable Doors

1175WC (2 of 2)

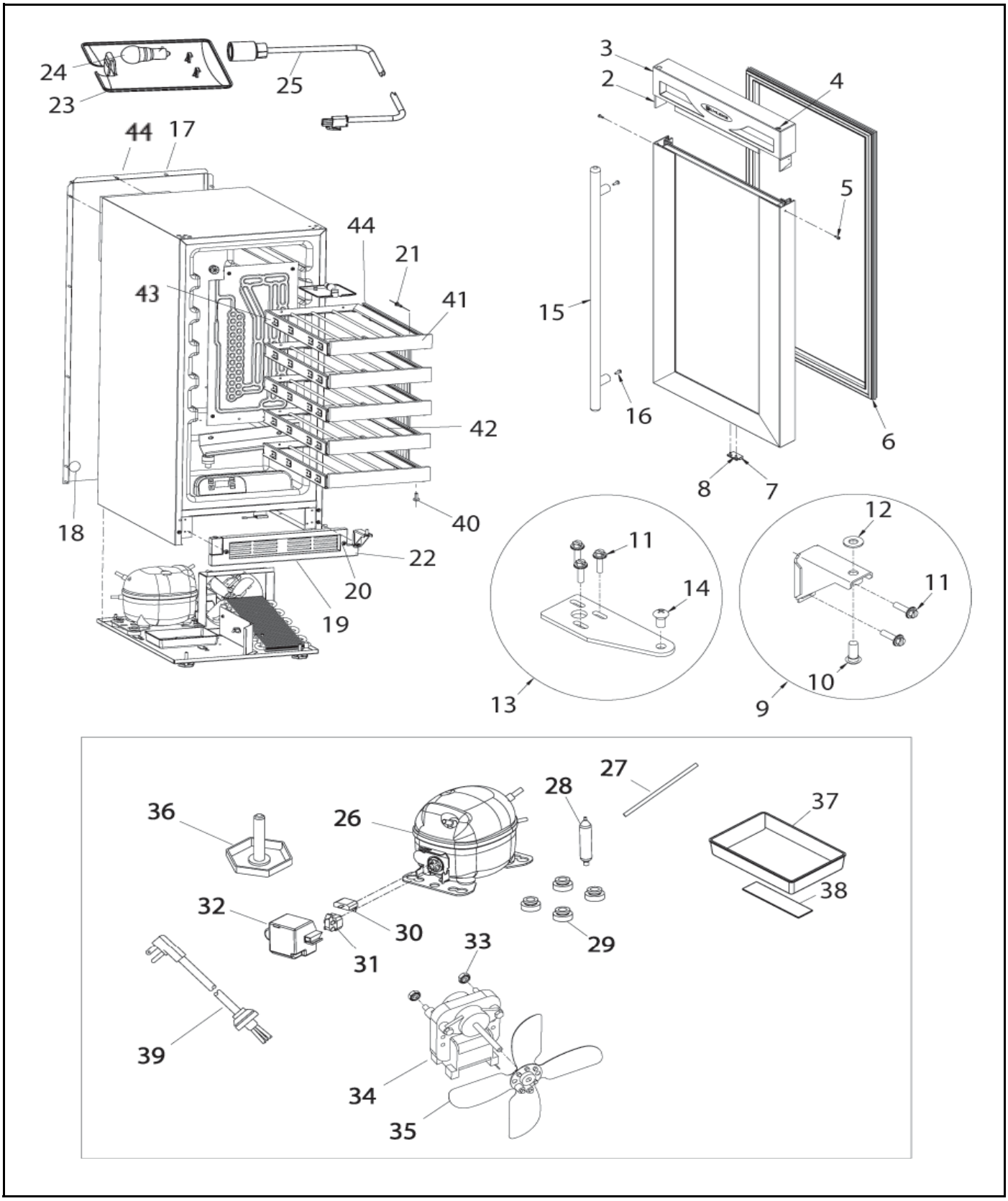


1175WC (2 of 2)

Item	Part No.	Description
1	1951-S	Condenser Assembly **
2	2800	Process tube
3	2694	Dryer
4	41855	Screw, evaporator SS
	41855-02	Screw, evaporator Black
5	31434-1	Rivet, thermostat cover White
	31434-2	Rivet, thermostat cover Black
6	26091	Cover, thermistor White
	26091-03	Cover, thermistor Black
7	68073	Thermistor, quick connect white
8	26058	Control Display Assembly White
	26059-03	Control Display Assembly Black
9	66010	Reed switch
10	20026	Screw, reed switch
11	21012-WHT	Rivet, White
	21012-BLK	Rivet, Black
12	31579	Drain tube
13	31578	Washer, drain tube White
	31578-02	Washer, drain tube Black
14	11508	Drain cup White
	11508-02	Drain cup Black
15	31391-3	Drain trough, White
	31391-7	Drain trough, Black
16	31213	Spacer, evaporator
17	2186-S	Evaporator Assembly White **
	2186-02-S	Evaporator Assembly Black **

** Includes dryer & Process Tube

1115WC (1 of 2)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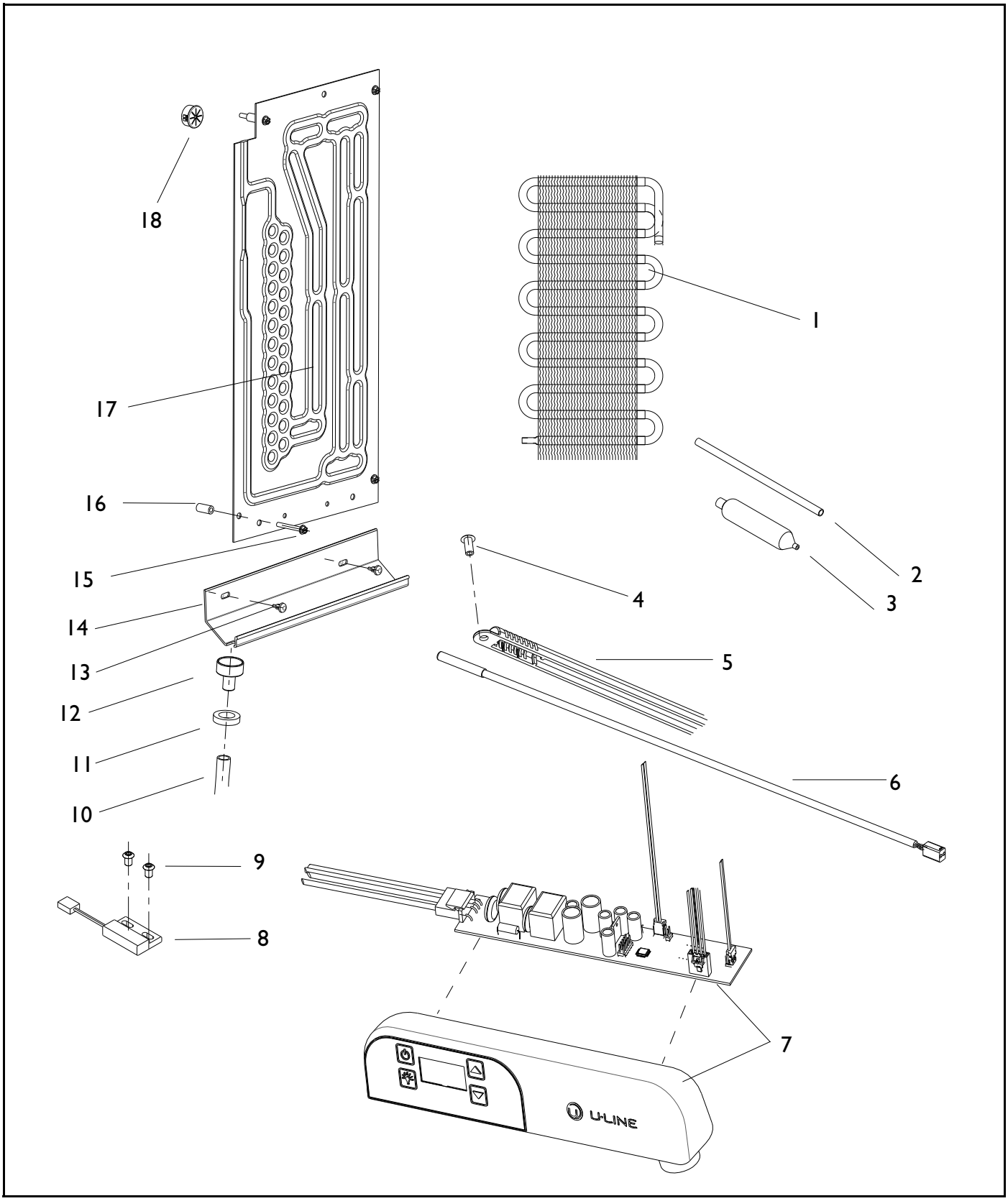
1115WC (1 of 2)

Item	Part No. Black	Part No. Stainless Steel	Description
1	80-17063-01-D	80-17068-03-G	Door Assembly, SS Door is Field Reversable
2	23051-01	23051-01	Nameplate
3	26077-01	N/A	Handle Assembly
4	31447-BLK	31447-BLK	Hole plug
5	41604	N/A	Screw, handle
6	31493-6-BLK	31493-6-BLK	Gasket, door
7	66016	66016	Magnet
8	20031	20031	Screw, magnet
9	11695-S-BLK	14127-SB	Hinge Assembly, bottom
10	41785-SSB	41785-SSB	Pivot screw, bottom (included with hinge assembly)
11	41893-BLK	41893-BLK	Screw, hinge (included with hinge assembly)
12	N/A	21017	Washer (included with hinge assembly)
13	11697-STB	14126-ST	Hinge Assembly, top
14	41747-SSB	41747-SSB	Pivot screw, top
15	N/A	23050-01	Towel Bar Handle Assembly (SS accessory only)
17	41342	41342	Screw, back panel
18	42125	42125	Hole cover, solid
19	80-29011-01	80-29011-01	Grille
20	20033-BLK	20033-BLK	Screw (included with grille)
21	42106	42106	Screw, wood
22	26060-BLK	26060-BLK	Hinge hole cover
23	11859	11859	Lens, light housing
24	31317	31317	Light bulb, 10W, 120V
25	2891-01	2891-01	Light Socket Assembly
26	5400-S	5400-S	Compressor Assembly, EM130HER
27	2800	2800	Process tube (included with 5400-S)
28	2694	2694	Dryer (included with 5400-S)
29	31021	31021	Grommet (included with 5400-S)
30	5411	5411	Overload (included with 5400-S)
31	5412	5412	Relay (included with 5400-S)
32	5400-CAP	5400-CAP	Cap (included with 5400-S)
33	41787	41787	Nut (included with 5263-S)
34	5263-S	5263-S	Fan motor, condenser
35	5188	5188	Fan blade, plastic
36	41319	41319	Foot, leveler, 1/4-20
37	31550-1-S	31550-1-S	Drain pan
38	31664	31664	Tape (included with 31550-1-S)
39	2938-2	2938-2	Power cord
40	4816	4816	Screw
41	11988-04	11988-04	Wood front
42	18067	18067	Wine rack metal
	18067-01	18067-01	Wine rack black
43	23026-03-S	23026-03-S	Slide Assembly (set of 2)
44	41802	41802	Back Panel

1115WC (2 of 2)

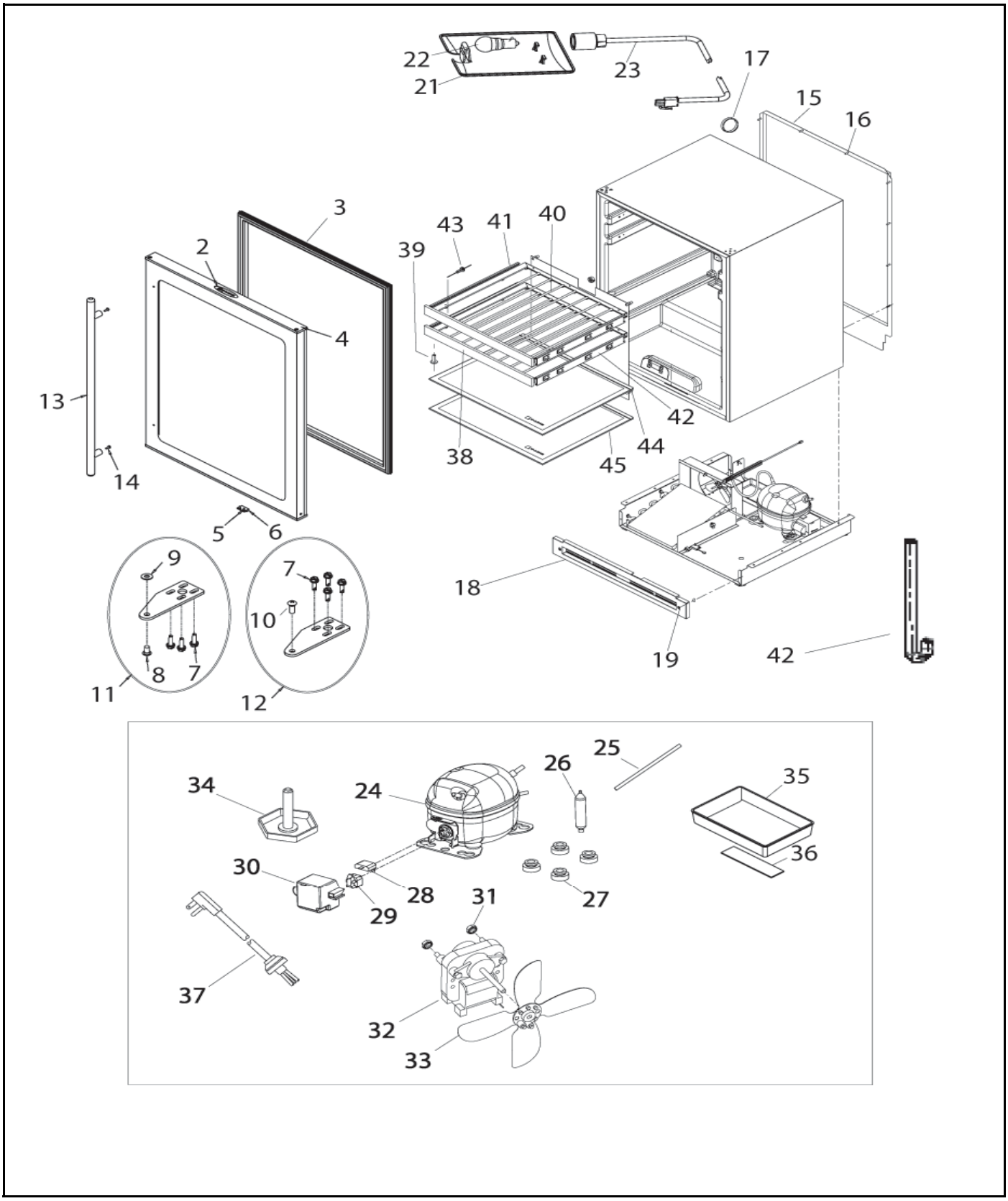


1115WC (2 of 2

Item	Part No. Black	Part No. Stainless Steel	Description
1	2223-S	2223-S	Condenser Assembly**
2	2800	2800	Process tube
3	2694	2694	Dryer, R-134A
4	31434-1	31434-1	Rivet, thermistor cover White
	31434-2	31434-2	Rivet, thermistor cover Black
5	26091	26091	Cover, thermistor White
	26091-02	26091-02	Cover, thermistor Black
6	68073	68073	Thermistor, quick connect white
7	26059	26059	Control Display Assembly White
	26059-03	26059-03	Control Display Assembly Black
8	66010	66010	Reed switch
9	41863	41863	Rivet, reed switch
10	31594	31594	Drain tube
11	31578	31578	Washer, drain tube White
	31578-02	31579-02	Washer, drain tube Black
12	11508	11508	Drain cup White
	11508-02	11508-02	Drain cup Black
13	21012-WHT	21012-WHT	Rivet White
	21012-BLK	21012-BLK	Rivet Black
14	31391-2	31391-2	Drain trough White
	31391-10	31391-10	Drain trough Black
15	41855	41855	Screw Silver
	41855-02	41855-02	Screw Black
16	31213	31213	Spacer
17	2649-S	2649-S	Evaporator White **
	2649-02-S	2649-02-S	Evaporator Black **
18	31386-02	31386-02	Bushing White
	31386	31386	Bushing Black

**Includes Dryer & Process Tube

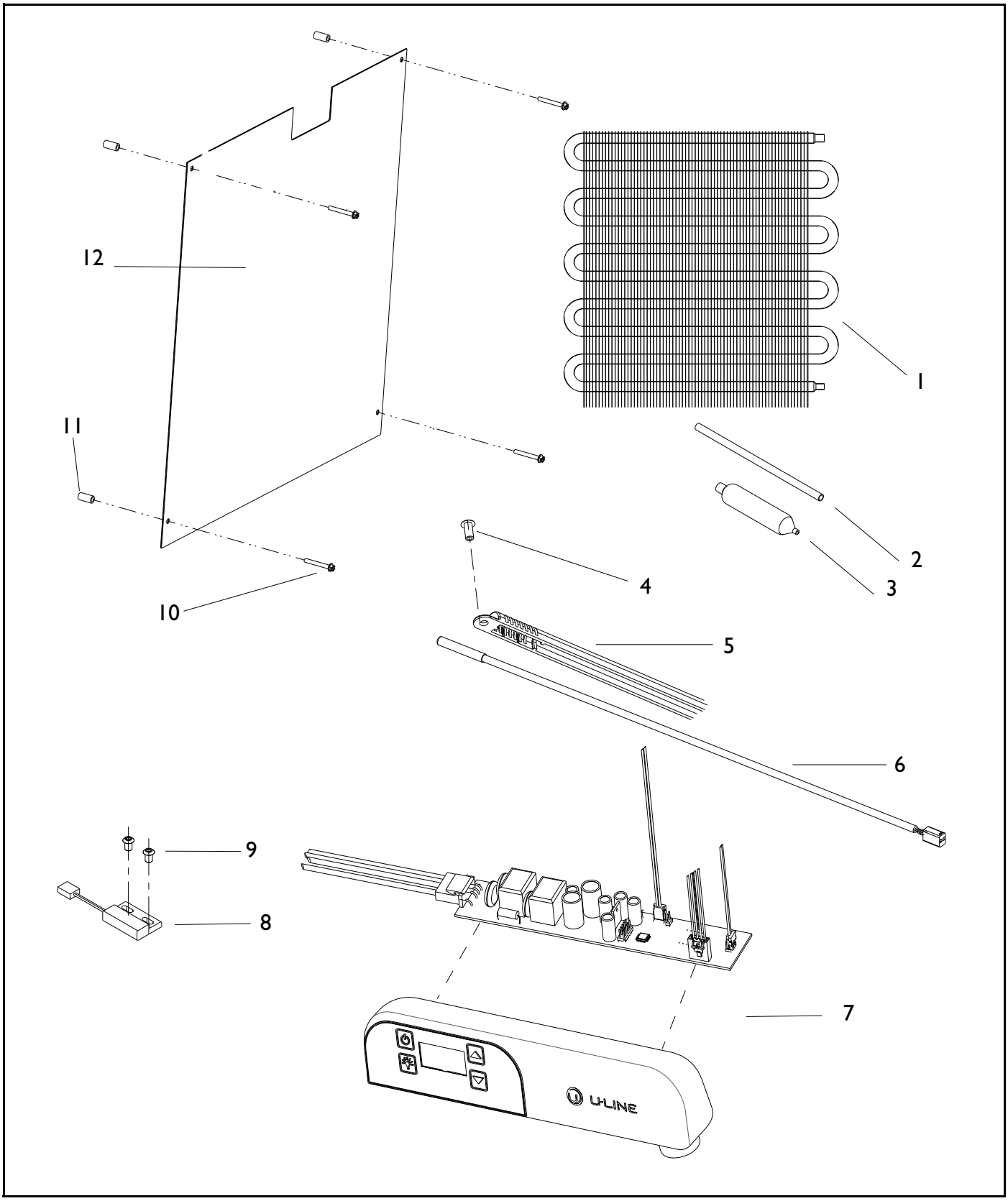
1175BEV (1 OF 2)



1175BEV (1 OF 2)

Item	Part No.	Description
1	80-17069-03-G	Door Assembly, FieldReversable
2	23051-01	Nameplate (included with #1)
3	31493-4-BLK	Gasket (included with #1)
4	31447-BLK	Hole plug (included with #1)
5	20031	Screw (included with #1)
6	66016	Magnet (included with #1)
7	20042-BLK	Screw, hinge (included with hinge assembly)
8	41747-SSB	Pivot screw, bottom (included with hinge assembly)
9	21017	Washer (included with hinge assembly)
10	41785-SSB	Pivot screw, top (included with hinge assembly)
11	14136-SB	Hinge Assembly, bottom
12	14136-ST	Hinge Assembly, top
13	23050-01	Towel bar handle (accessory only)
15	11769	Back panel
16	41342	Screw, back panel
17	42125	Hole cover, solid
18	80-29094-01	Grille
19	20033-BLK	Screw (included with grille)
21	11859	Lens, light housing
22	31317	Light bulb, 10W, 120V
23	2891-01	Light Socket Assembly
24	5400-S	Compressor, EM130HER
25	2800	Process tube (included with #24)
26	2694	Dryer (included with #24)
27	31021	Grommet (included with #24)
28	5411	Overload (included with #24)
29	5412	Relay (included with #24)
30	5400-CAP	Cap (included with #24)
31	41787	Nut (included with #32)
32	5263-S	Fan motor, condenser
33	5188	Fan blade, plastic
34	41319	Foot, leveler, 1/4-20
35	31550-1-S	Drain pan
36	31664	Tape (included with drain pan)
37	2938-2	Power cord
38	11988-03	Wood front
39	4816	Screw
40	18066	Wine rack
41	23026-03	Slide Assembly (set of 2)
42	28004	Drain tube
43	42106	Screw, wood
44	25032-2	Edge trim, rear
45	40010-04	Glass shelf
Not Shown	26147	Door Spacer, for Field Reversable Doors

1175BEV (2 OF 2)

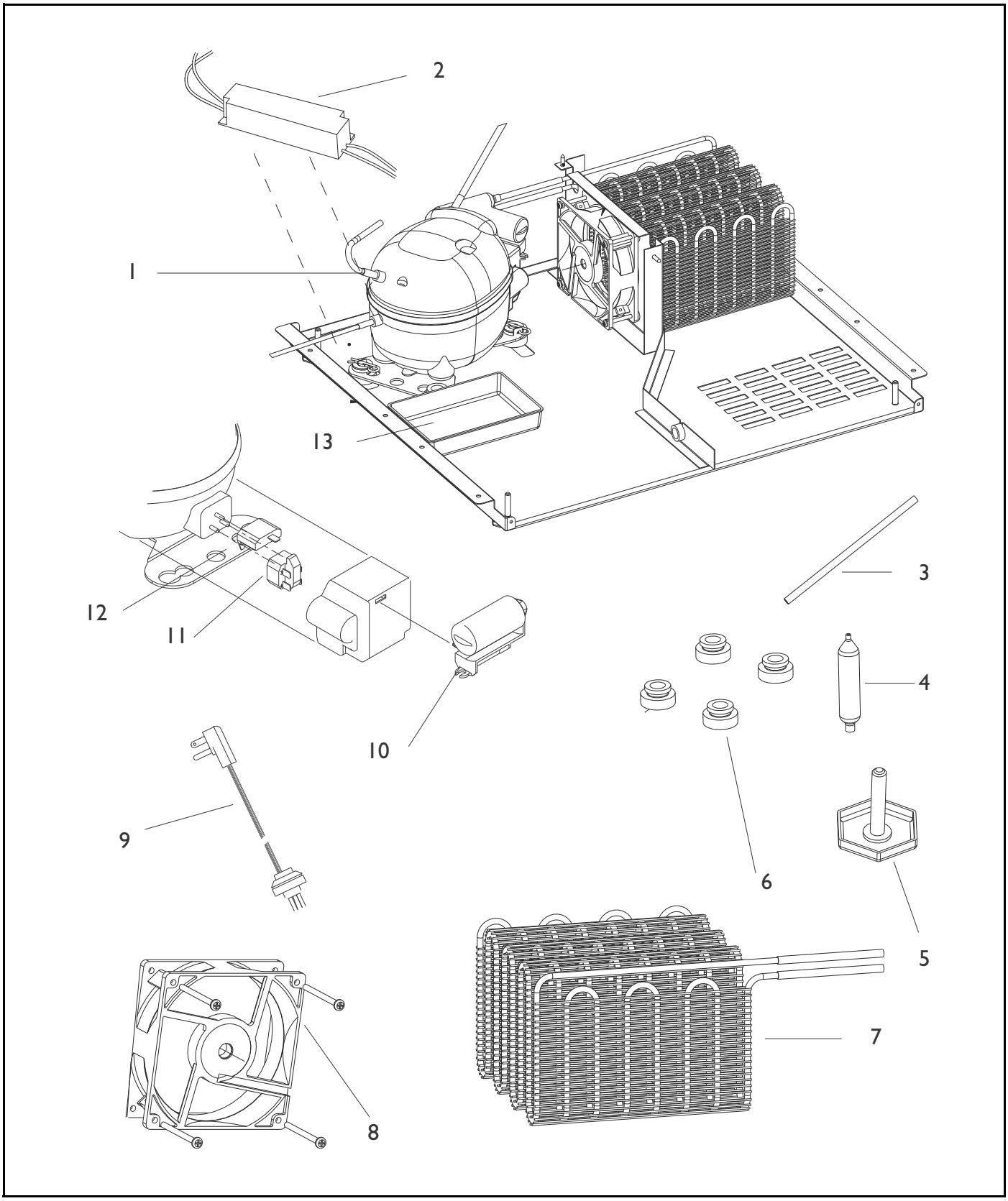


1175BEV (2 of 2)

Item	Part No.	Description
1	1951-S	Condenser Assembly **
2	2800	Process tube
3	2694	Dryer
4	31434-1	Rivet, thermostat cover White
	31434-2	Rivet, thermostat cover Black
5	26091	Cover, thermistor White
	26091-03	Cover, thermistor Black
6	68073	Thermistor, quick connect white
7	26058	Control Display Assembly White
	26059-03	Control Display Assembly Black
8	66010	Reed switch
9	20026	Screw, reed switch
10	41855	Screw, evaporator SS
	41855-02	Screw, evaporator Black
11	31213	Spacer, evaporator
12	2186-S	Evaporator Assembly White **
	2186-02-S	Evaporator Assembly Black **

** Includes dryer & Process Tube

ADA24R (1 0F 2)



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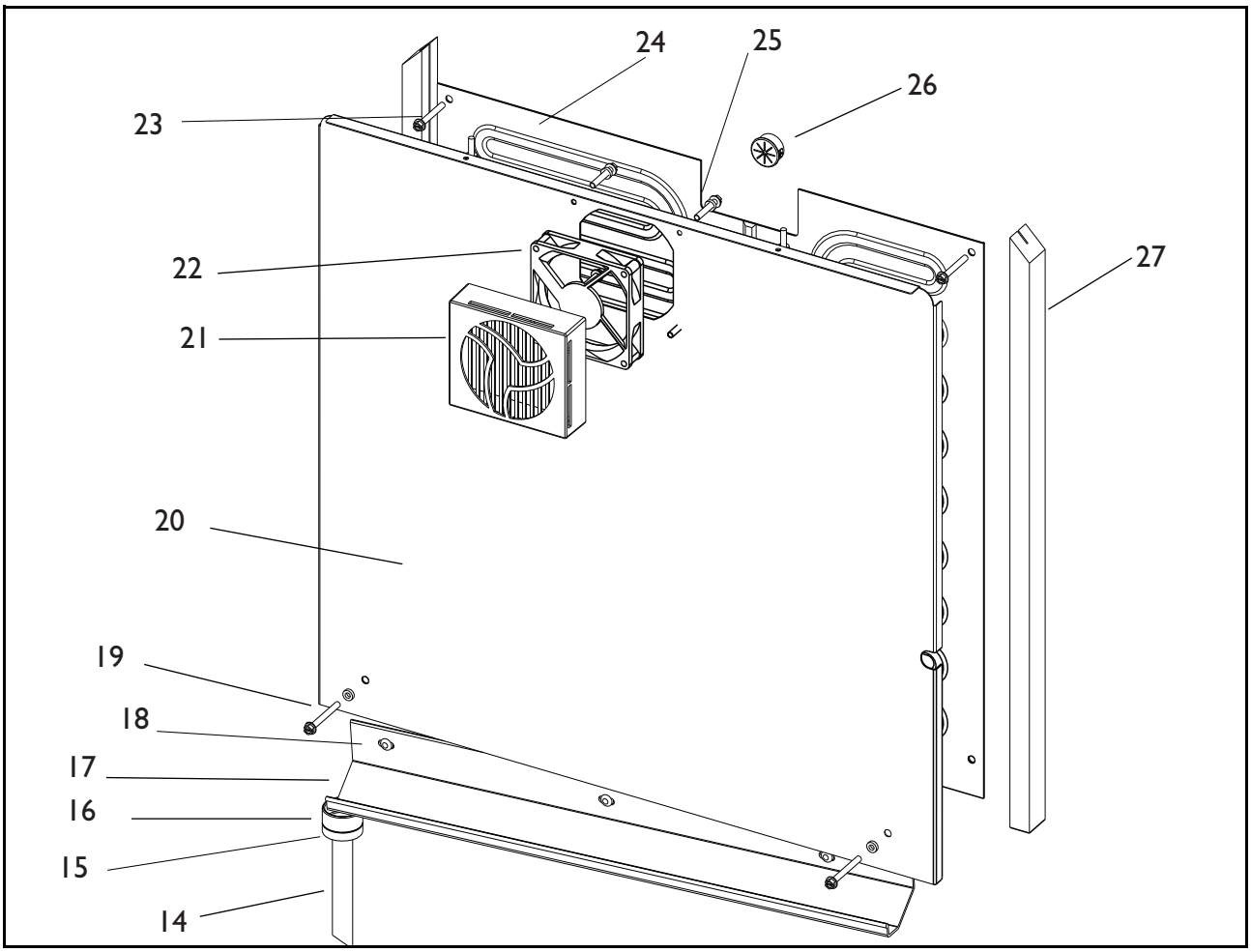


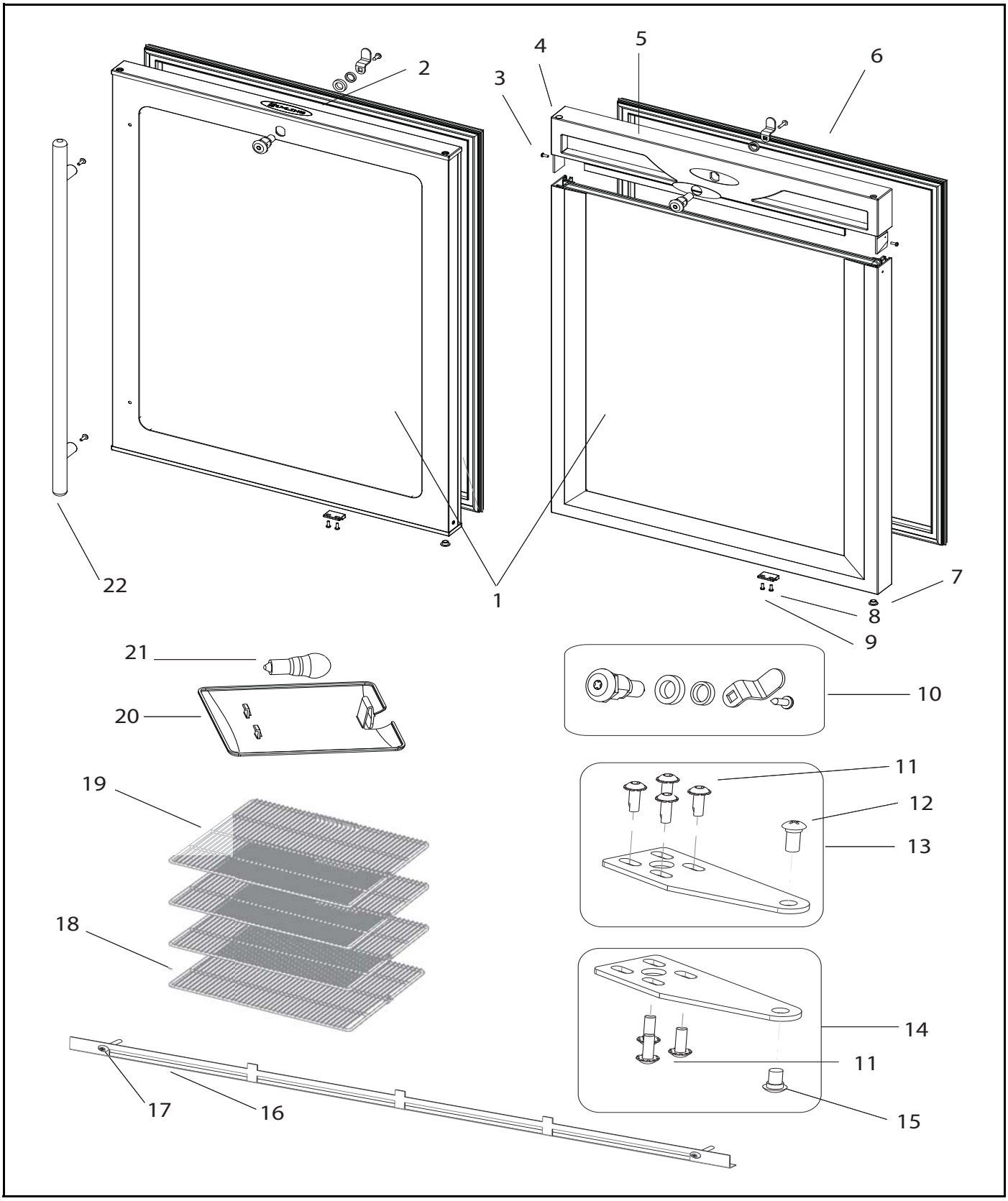
Item	Part No.	Description
1	70077-S	Compressor**
2	68103	Transformer
3	2819	Process Tube*
4	2694	Drier*
5	41319	Leveling Leg
6	31021	Grommet*
7	74021-S	Condenser**
8	67009	DC Condenser Fan (includes fan blade)
9	2938-2	Power Cord
10	71013	Capacitor*
11	71010	Relay*
12	71009	Overload*
13	31550-1-S	Drain Pan
14	31579	Drain Tube

* Included with the compressor

Item	Part No.	Description
15	31578	Foam Washer
16	11508	Drain Cup
17	31391-3	Drain Trough
18	21012-WHT	Rivet
19	41855-01	Screw
20	14308-02	Evaporator Cover
21	26117-02	Evap Fan Cover
22	67005	DC Evaporator Fan (includes fan blade)
23	41855	Screw
24	2333-S	Evaporator **
25	41405	Screw
26	31386-02	Bushing
27	38036	Foam Spacer

** Includes drier and process tube

ADA24R (2 0F 2)



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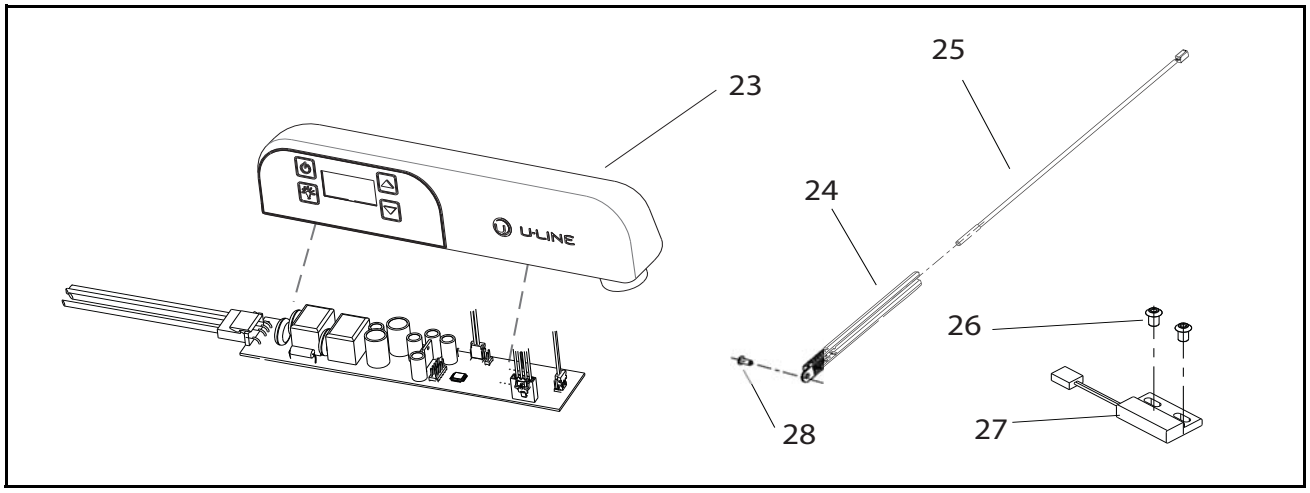

Item	Part No. Black	Part No. Stainless Steel	Description
1	80-17119-01	80-17121-01	Glass Door Right Hand Hinge
	N/A	80-17121-02	Glass Door Left Hand Hinge
	80-17118-01	80-17120-01	Solid Door Right Hand Hinge
	N/A	80-17120-02	Solid Door Leftt Hand Hinge
2	23051-01	23051-01	Nameplate
3	41604	N/A	Handle Screw
4	31447-BLK	31447-BLK	Hole Plug Black
5	26142-01	N/A	Solid Door Handle with lock
6	31493-4-BLK	31493-4-blk	Door Gasket
7	31309-BLK	21017	Hole Plug/Washer
8	66016	66016	Heavy Duty Magnet
9	20031	20031	Magnet Screws
10	23000-S	23000-S	Lock Assembly
11	20042-BLK	20042-BLK	Hinge Screws
12	41785-SSB	41785-SSB	Top Pivot Screw
13	11849-ST-BLK	14136-ST	Top Hinge Assembly (includes screws)
14	11849-SB-BLK	14136-SB	Bottom Hinge Assembly (includes screws)
15	41747-SSB	41747-SSB	Bottom Pivot Screw
16	80-29018-00	80-29018-00	Grille Assembly Black (includes screws)
17	20033-BLK	20033-BLK	Grille Screw
18	18089-02	18089-02	Wire Shelf Bottom
19	18090-01	18090-01	Wire Shelf
20	11859	11859	Light Cover
21	31317	31317	Light Bulb
22	N/A	23011-03	Stainless Steel Handle (accessory only)
23	26059-02	26059-02	Control Assembly
24	26091	26091	Thermistor Cover
25	68073	68073	Thermistor
26	20026	20026	Screws Reed Switch
27	66010	66010	Reed Switch
28	21012-WHT	21012-WHT	Push Rivet

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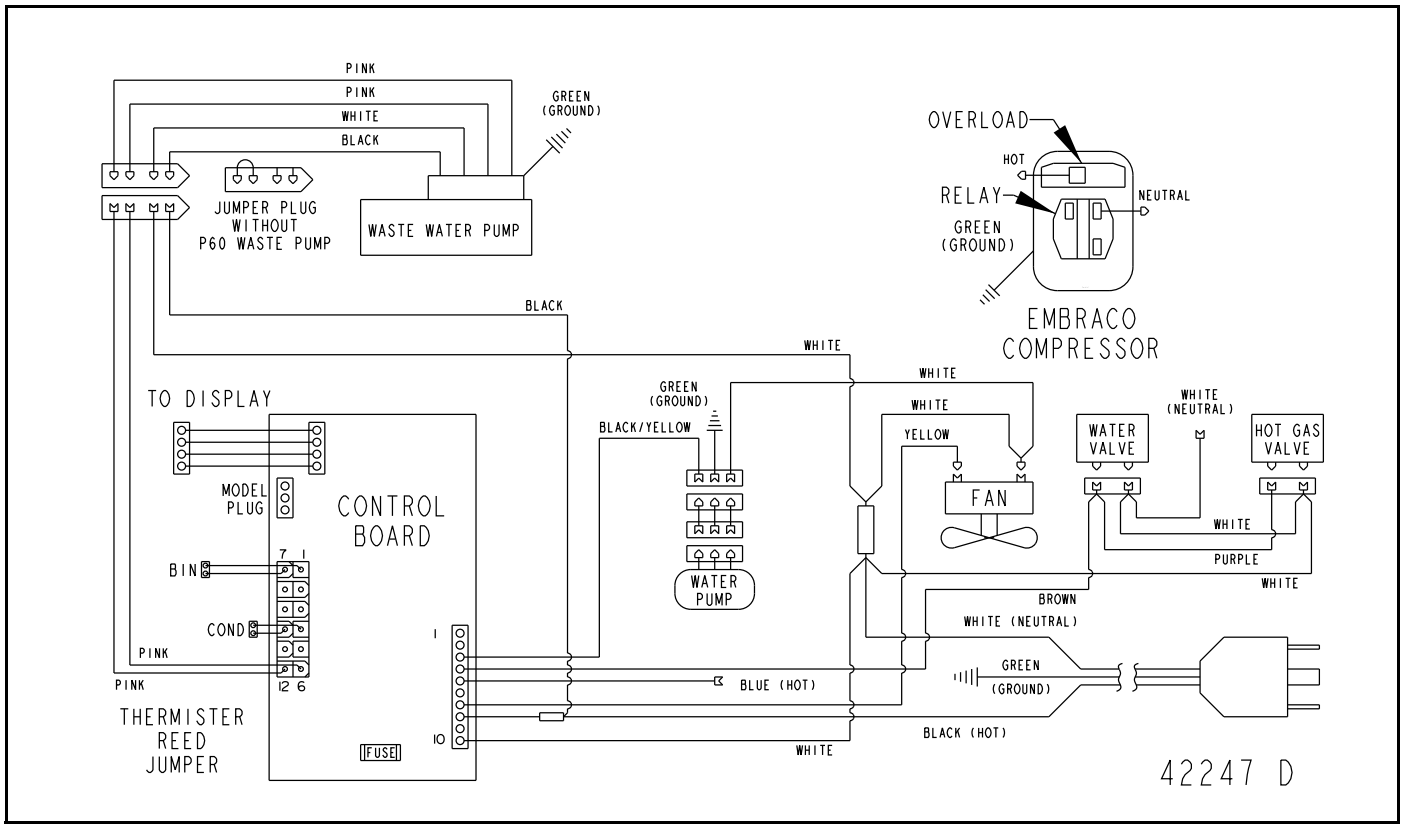
CLR2160



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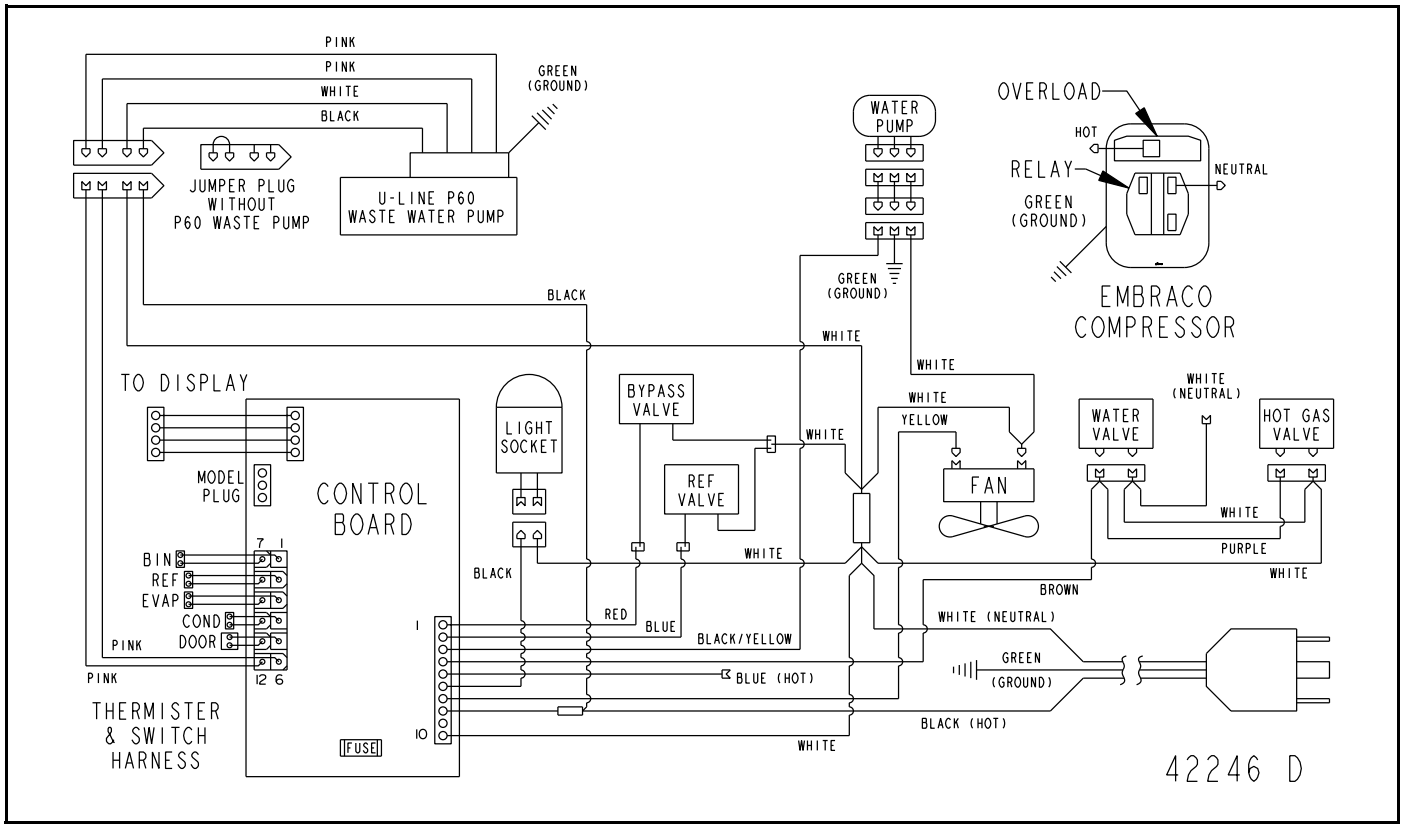
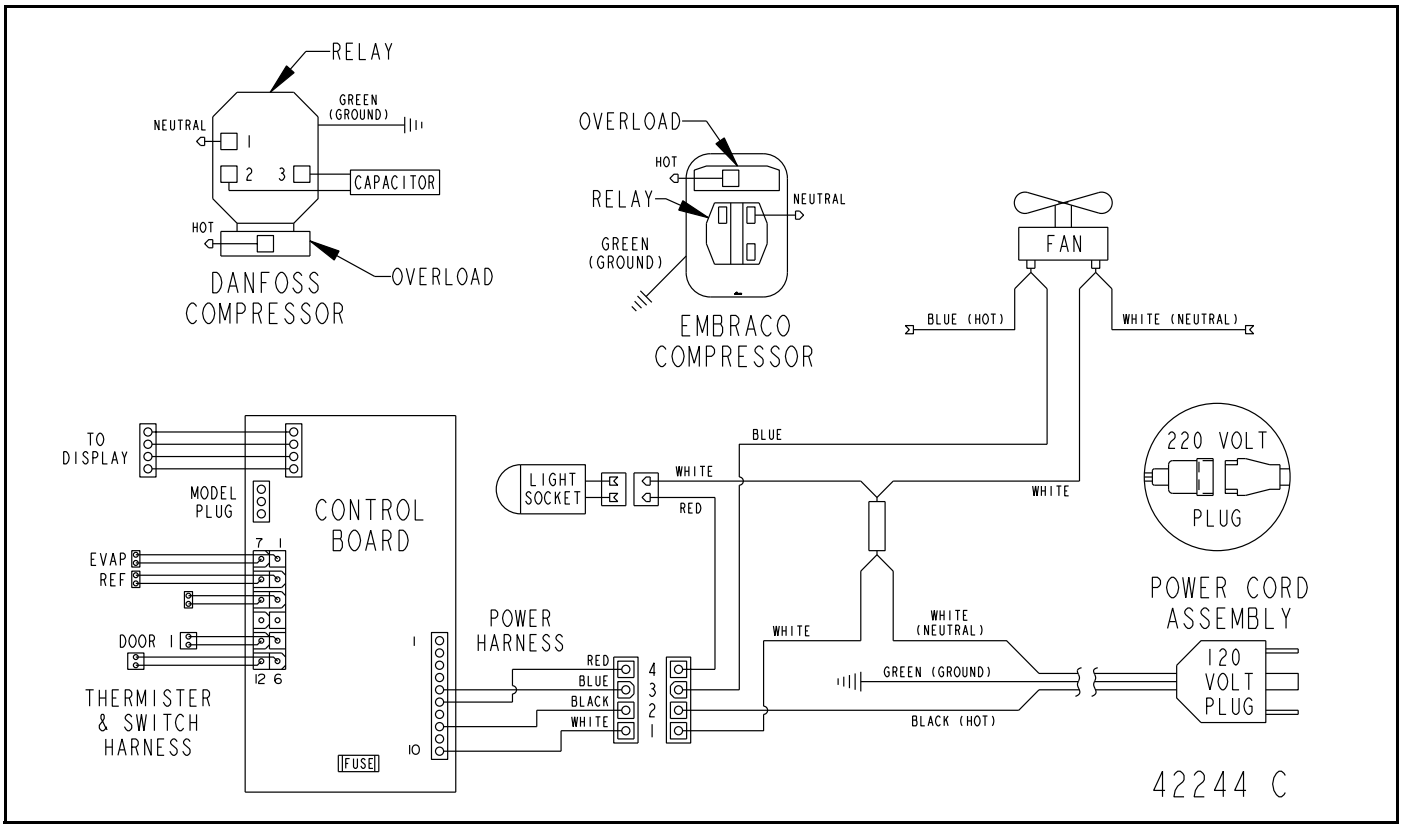


2115R, 2115WC, 2175R, 2175WC, 2175BEV



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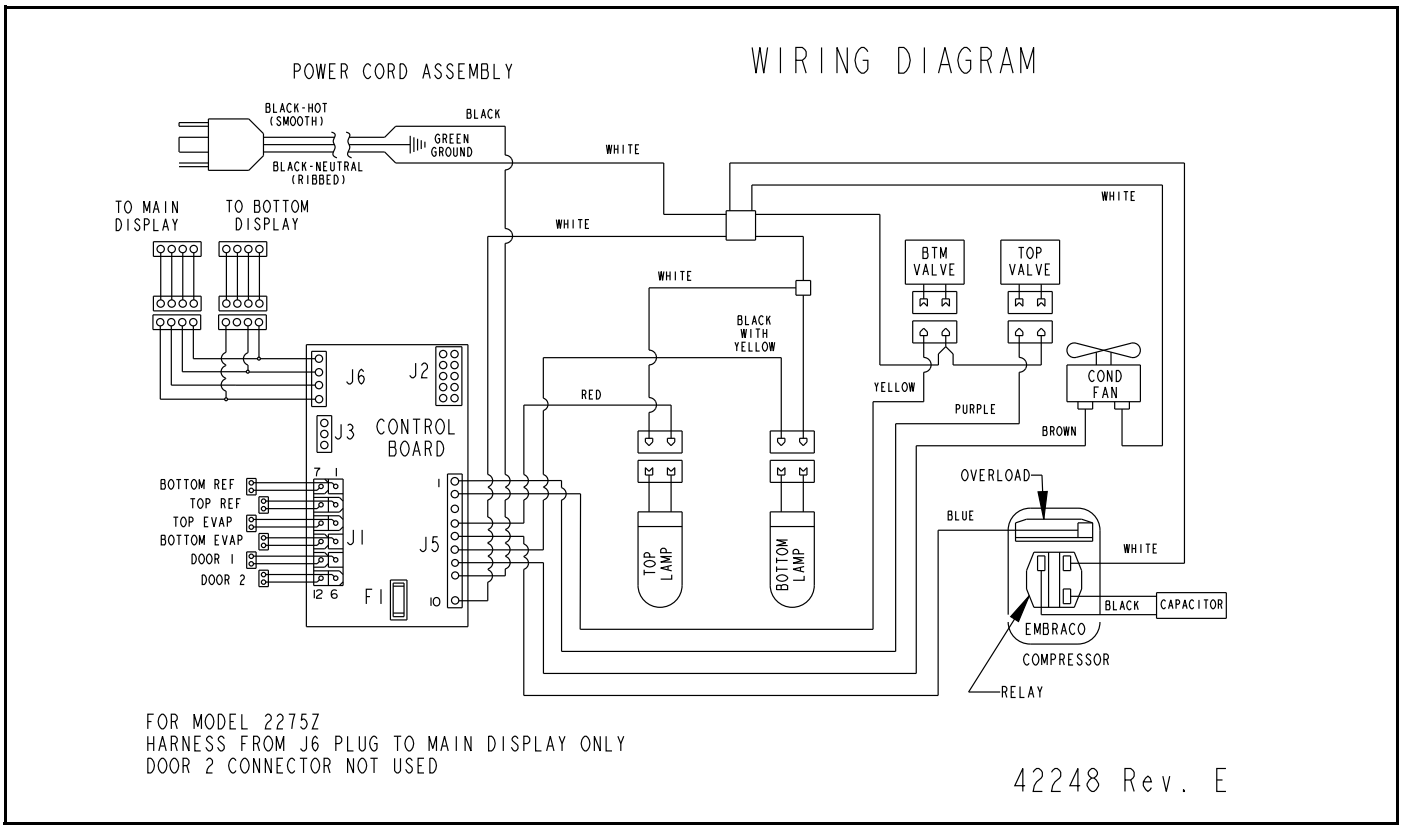
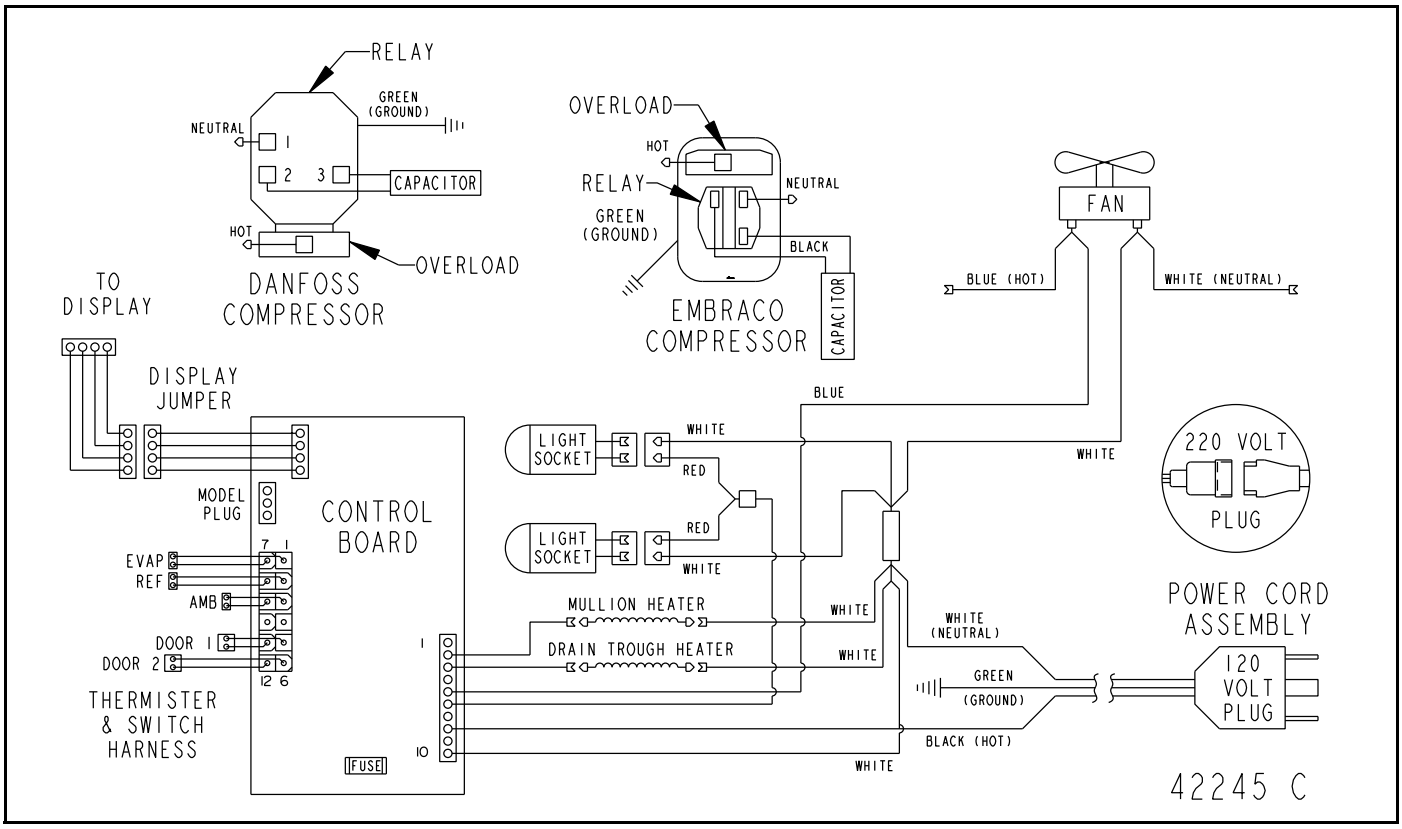


2175DWRR, 2275DWRR



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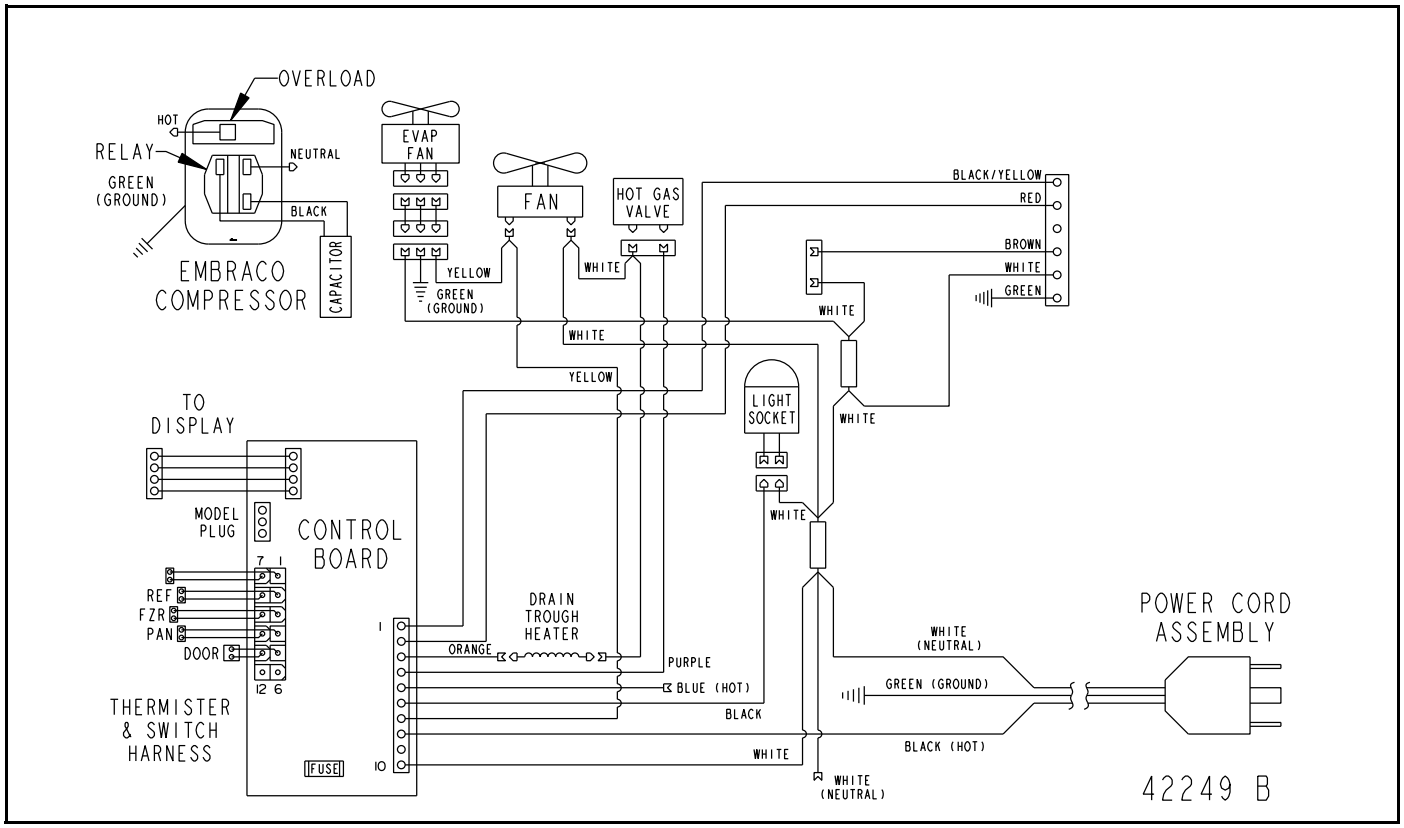

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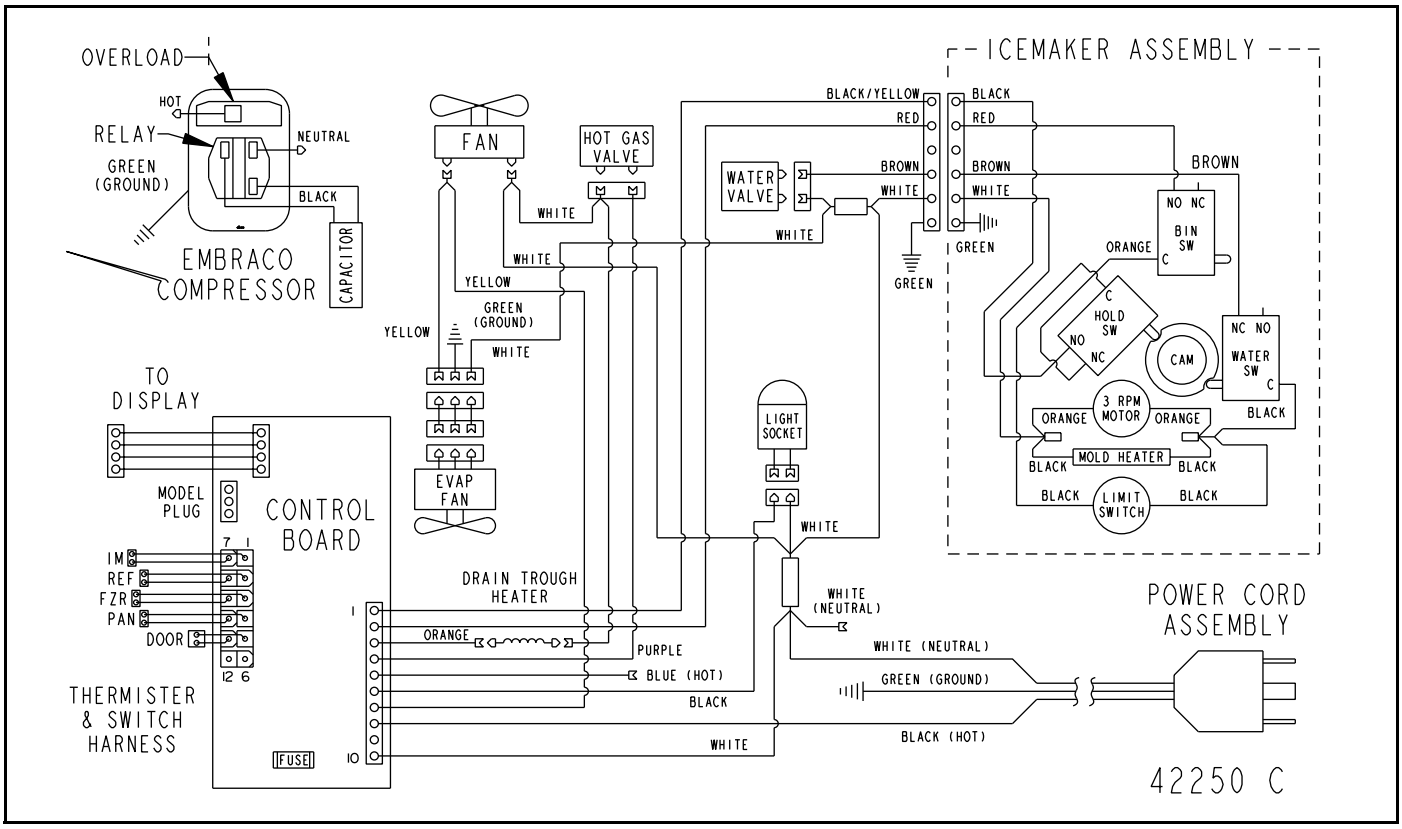
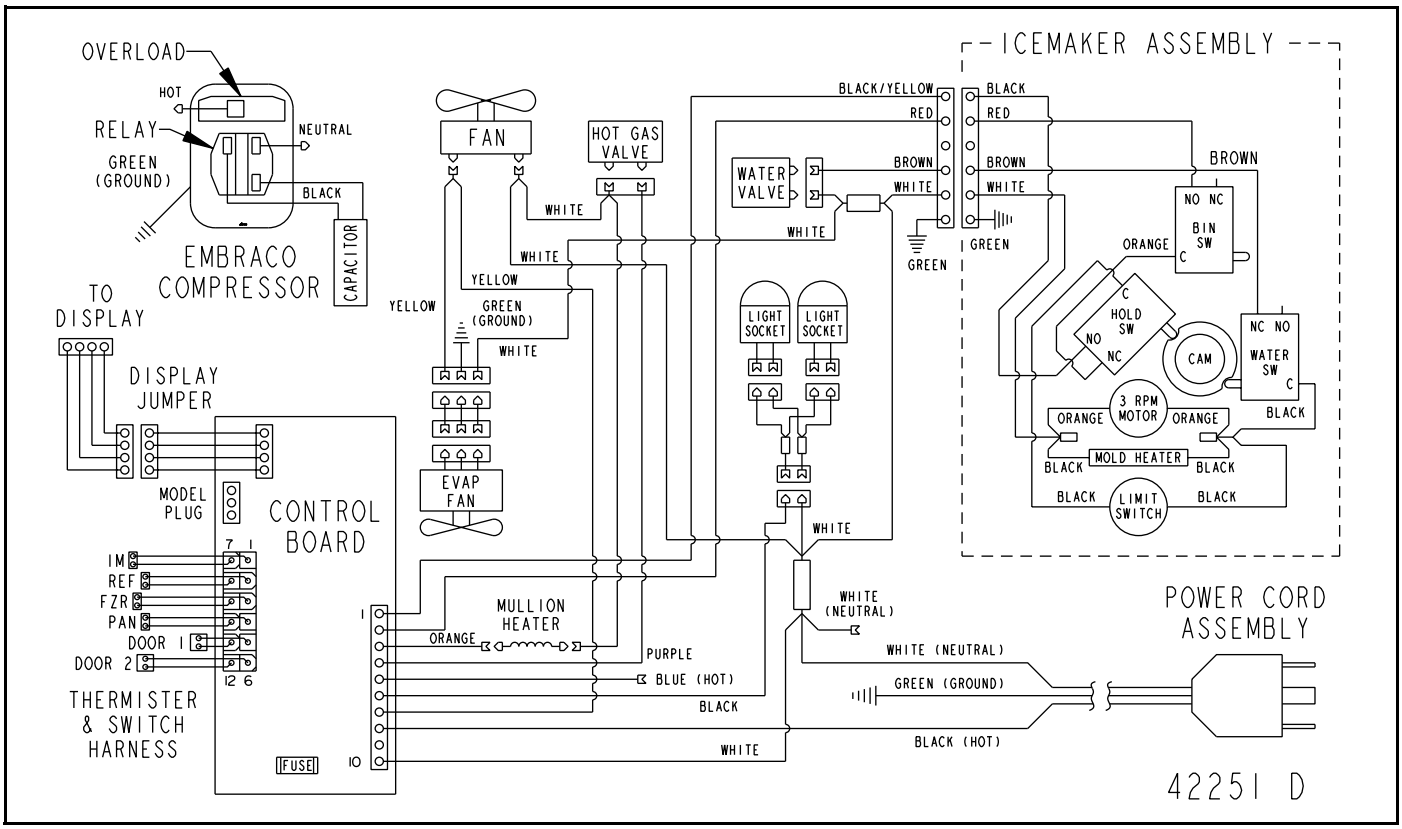
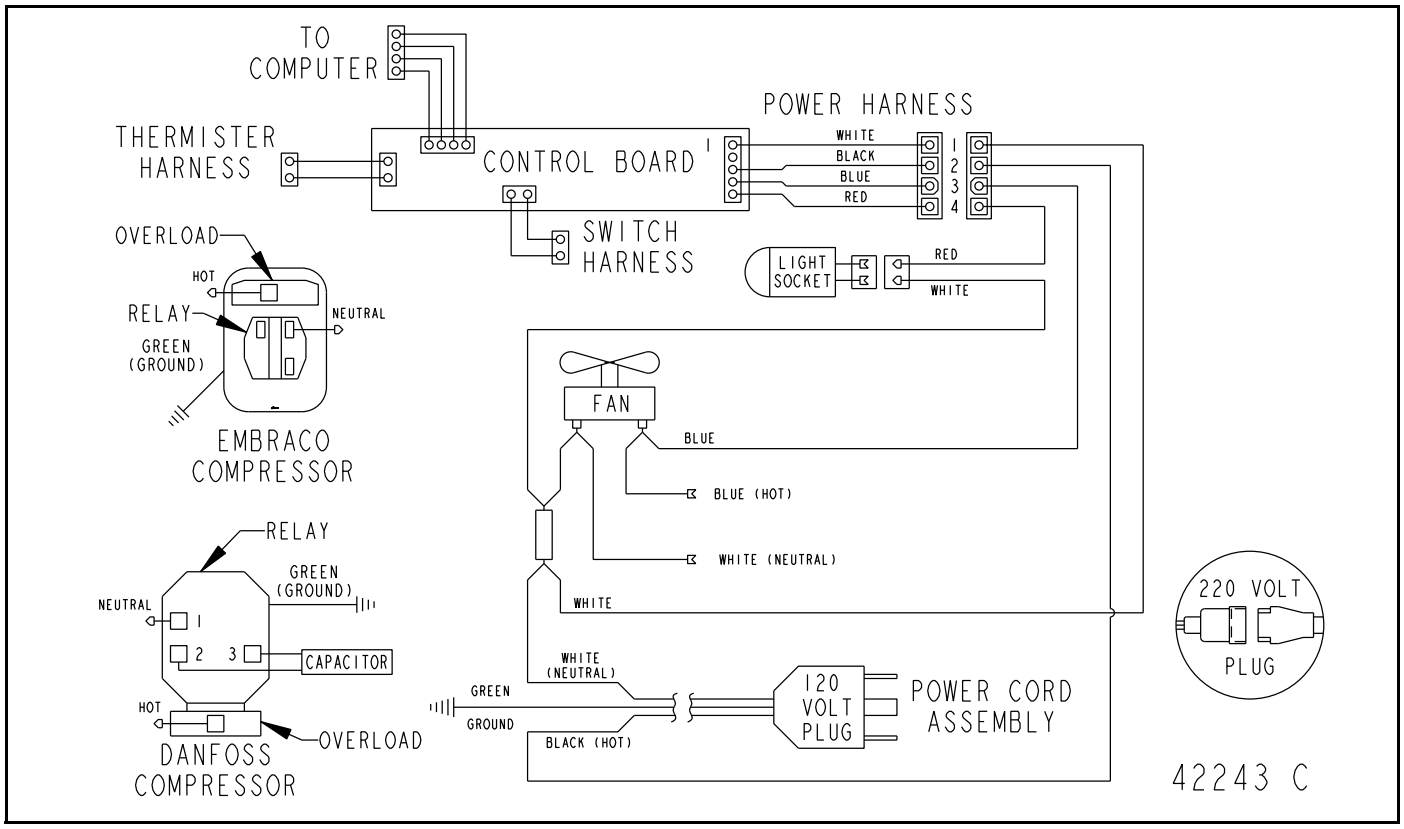


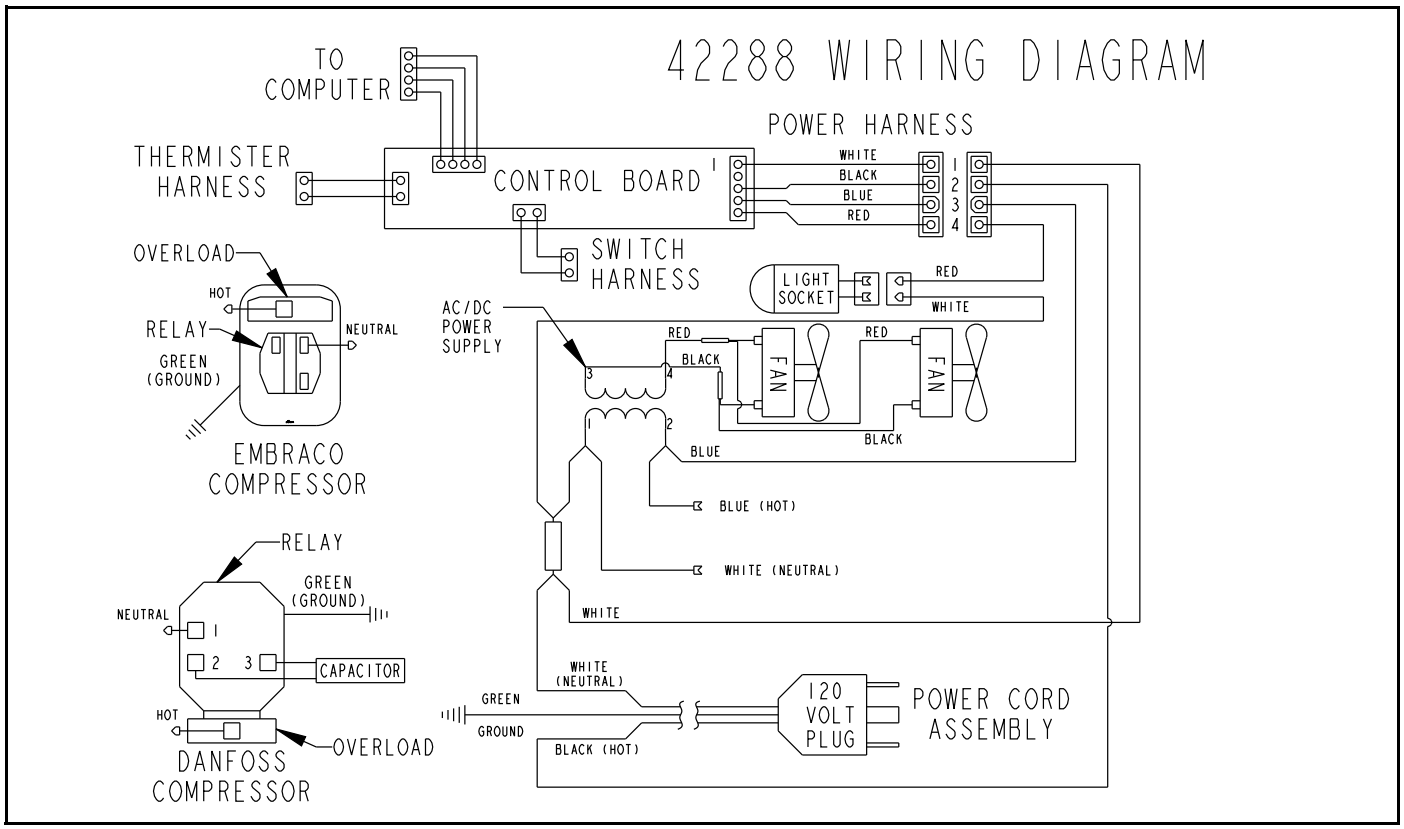
CO2175DWR, CO2275DWR



1175R, 1115R, 1175WC, 1115WC, 1175BEV



ADA24R



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PRODUCT INFORMATION

Installation Guides with complete installation information, Custom Wood Panel Size Specifications & Installation Instructions, CAD Drawings, Use and Care Guides, Specifications & Feature Benefits are available for viewing and download on-line at www.u-line.com/specs/.

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ABOUT U-LINE

Building on 45 years, U-Line has captivated those with an appreciation for the finer things with exceptional design, inspired innovations and attention to even the smallest details.

U-Line is synonymous with premium built-in undercounter ice making, refrigeration and wine storage appliances, the U-Line Corporation is committed to luxury under the counter. U-Line is known and respected for unwavering dedication to product innovation, quality and selection. A bold and broad line of models is the product of visionaries in the pursuit of distinctive living environments in the kitchen and spaces beyond.

In 1962, Henry Uihlein founded U-Line Corporation as an outgrowth of Ben-Hur Freezer Company and was the first to develop and patent an automatic stand-alone undercounter residential ice maker. His foresight and determination to develop new ideas and to succeed when there were no clear guidelines or solutions are evident today. The Milwaukee, Wisconsin based family operated business provides continuity and vision from which innovations continue to be born.

Going forward, U-Line will continue offering best-in-class products that build on the company's numerous patents and world firsts to guide the undercounter industry in realizing its unlimited potential.

For Every Room There is a U-Line ®

Publication No. 30131 01/2010 Rev. F