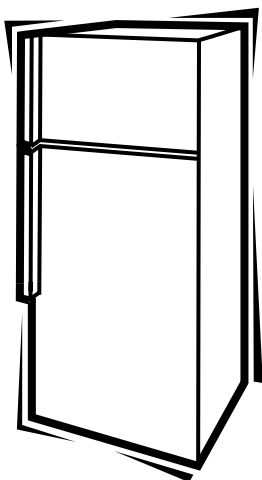




TECHNICAL SERVICE GUIDE

**Louisville Built
Top Mount No Frost
18-19 Cu. Ft. Energy Refrigerators**



MODEL SERIES:

**ETS
GTH
GTS
HTS
STS**





IMPORTANT SAFETY NOTICE

The information in this service guide is intended for use by individuals possessing adequate backgrounds of electrical, electronic, and mechanical experience. Any attempt to repair a major appliance may result in personal injury and property damage. The manufacturer or seller cannot be responsible for the interpretation of this information, nor can it assume any liability in connection with its use.

WARNING

To avoid personal injury, disconnect power before servicing this product. If electrical power is required for diagnosis or test purposes, disconnect the power immediately after performing the necessary checks.

RECONNECT ALL GROUNDING DEVICES

If grounding wires, screws, straps, clips, nuts, or washers used to complete a path to ground are removed for service, they must be returned to their original position and properly fastened.

GE Consumer Home Services Training
Technical Service Guide
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Specifications

DISCONNECT POWER CORD BEFORE SERVICING IMPORTANT - RECONNECT ALL GROUNDING DEVICES

All parts of this appliance capable of conducting electrical current are grounded. If grounding wires, screws, straps, clips, nuts or washers used to complete a path to ground are removed for service, they must be returned to their original position and properly fastened.

ELECTRICAL SPECIFICATIONS

Temperature Control (Position 5)	24.5-12.5°F
Defrost Control	8 hrs. @ 30 min.
Defrost Thermostat	58-28°F
Electrical Rating: 115V AC 60Hz.	
100V AC 50 Hz.	6.5 Amp.
Maximum Current Leakage	0.75 mA.
Maximum Ground Path Resistance	0.14 Ohms
Energy Consumption	
18'	40 KWH/mo
19'	41 KWH/mo

NO LOAD PERFORMANCE

Control Position, Fresh Food 5, Freezer 5
and Ambient Temperature of:

	70°F	90°F
Fresh Food, °F	34-40	35-39
Frozen Food, °F	(-3) -4	(-3) -3
Run Time, %	20-30	41-53

REFRIGERATION SYSTEM

Refrigerant Charge (R134a)	4.0 ounces
Compressor	679 BTU/hr
Minimum Compressor Capacity	19 inches
Minimum Equalized Pressure	
@70°F	52 PSIG
@90°F	66 PSIG

REPLACEMENT PARTS

Condenser Fan Motor	WR60X10044
Evaporator Fan Motor	WR60X10057
Defrost Heater	WR51X10031
Relay	WR07X10031
Overload	WR08X0167
Temperature Control	WR09X10044
Defrost Control	WR9X503
Defrost Thermostat	WR50X10025
Capacitor	WR062X0087

IMPORTANT SAFETY NOTICE

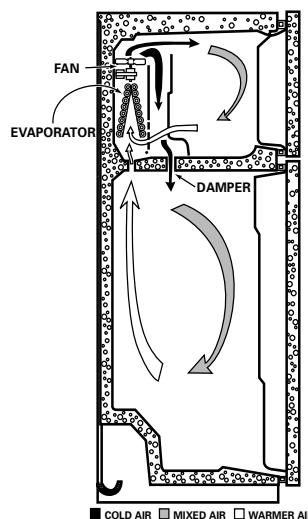
This information is intended for use by individuals possessing adequate backgrounds of electrical, electronic and mechanical experience. Any attempt to repair a major appliance may result in personal injury and property damage. The manufacturer or seller cannot be responsible for the interpretation of this information, nor can it assume any liability in connection with its use.

INSTALLATION

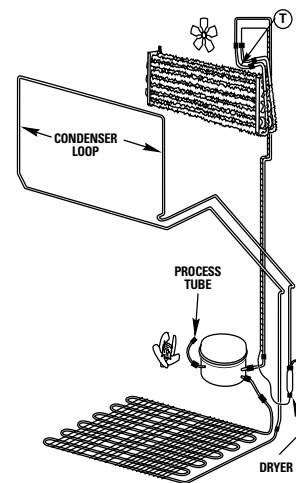
Clearance must be provided for air circulation

AT TOP	1-inch
AT SIDES	1/8-inch
AT REAR	1-inch

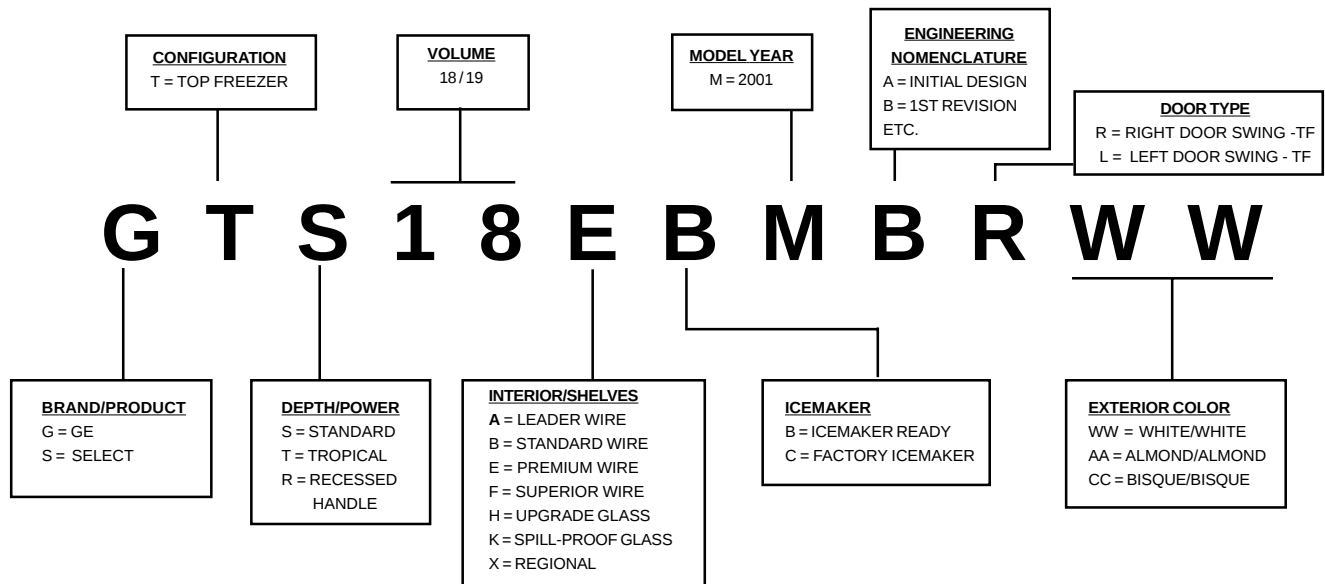
AIR FLOW



SEALED SYSTEM



Nomenclature



Rating Plate

RATING PLATE

The rating plate, located inside the refrigerator on the upper left-hand side, contains the model and serial numbers. Additionally, the rating plate specifies the minimum installation clearances, electrical voltage, frequency, maximum amperage rating, and refrigerant charge and type.



GEA01027

Mini Manual Location

Warranty Information

Refrigerator Warranty. (For customers in the United States)



All warranty service provided by our Factory Service Centers, or an authorized Customer Care® technician. To schedule service, on-line, 24 hours a day, contact us at www.GEAppliances.com, or call 800-GE-CARES.

Staple your receipt here.
Proof of the original purchase date is needed to obtain service under the warranty.

For The Period Of:	GE Will Replace:
One Year From the date of the original purchase	Any part of the refrigerator which fails due to a defect in materials or workmanship. During this full one-year warranty , GE will also provide, free of charge , all labor and in-home service to replace the defective part.
Five Years From the date of the original purchase	Any part of the sealed refrigerating system (the compressor, condenser, evaporator and all connecting tubing) which fails due to a defect in materials or workmanship. During this additional four-year limited warranty , GE will also provide, free of charge , all labor and in-home service to replace the defective part.

What GE Will Not Cover:

- Service trips to your home to teach you how to use the product.
- Improper installation.
- Failure of the product if it is abused, misused, or used for other than the intended purpose or used commercially.
- Loss of food due to spoilage.
- Replacement of house fuses or resetting of circuit breakers.
- Damage to the product caused by accident, fire, floods or acts of God.
- Incidental or consequential damage caused by possible defects with this appliance.

This warranty is extended to the original purchaser and any succeeding owner for products purchased for home use within the USA. In Alaska, the warranty excludes the cost of shipping or service calls to your home.

Some states do not allow the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. To know what your legal rights are, consult your local or state consumer affairs office or your state's Attorney General.

Warrantor: General Electric Company. Louisville, KY 40225

Operating Characteristics

Note:

- Refer to Component Locator Views.
- Refer to Schematics.

Component Description

The compressor and dryer are located in the machine compartment at the bottom, rear of the unit. The condenser is located under the unit. The evaporator is located in the freezer compartment on the back wall.

The capillary is soldered to the compressor suction line. The capillary is also taped to the suction line near the dryer. This arrangement serves as a heat exchanger.

The temperature control and defrost control are located in the control console. The control console is located in the top of the fresh food compartment. The evaporator fan is located in the freezer compartment behind the air tower.

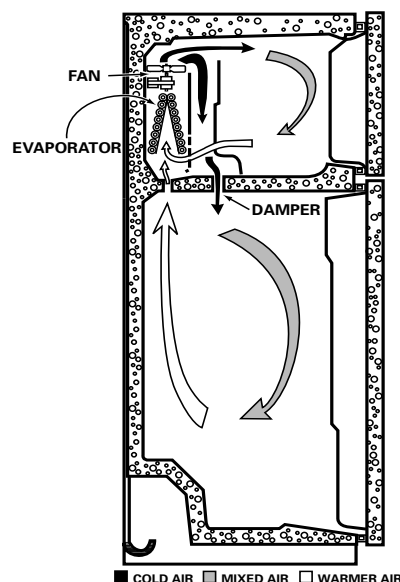
Electrical Operation

The power source provides 115 VAC to the temperature control. The temperature control is a thermostatic switch that closes when the fresh food compartment temperature is higher than the control setting. When closed, the temperature control provides 115 VAC to the defrost control. The defrost control contains a motor/cam mechanism that switches the defrost control between defrost mode and cooling mode. When in cooling mode, the defrost control provides 115 VAC to the compressor, condenser fan, and evaporator fan. The compressor, condenser fan, and evaporator fan should always operate at the same time.

Defrost Operation

The automatic defrost function is controlled by the defrost control. The defrost control contains a motor/cam mechanism that switches the defrost control between defrost mode and cooling mode. The defrost control motor/cam mechanism

operates only when the temperature control (switch) is closed. After 8 hours of motor/cam mechanism runtime in cooling mode, the defrost control switches to defrost mode. The defrost control will stay in defrost mode, providing 115 VAC to the heater for 30 minutes of motor/cam mechanism runtime. The defrost thermostat switch is mounted on the evaporator and, when closed, completes the neutral side of the defrost heater circuit. The defrost thermostat switch opens when the evaporator temperature raises to 58 °F and closes when the evaporator temperature lowers to 28 °F. The defrost thermostat switch typically opens during the defrost cycle, preventing the heater from defrosting for the full 30 minutes. The purpose for the 30-minute defrost mode at the defrost control is to prevent the compressor from operating and refreezing any water that may be dripping from the evaporator.



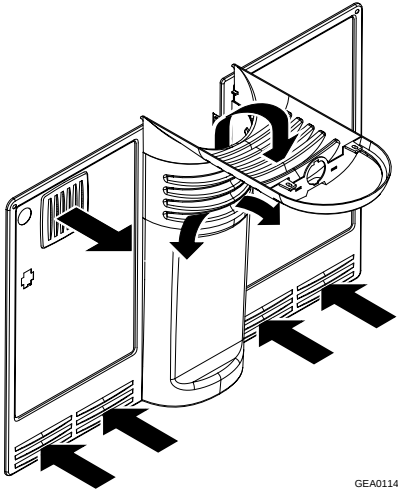
Airflow

Freezer Compartment

Cold air from the evaporator is forced up against the top of the freezer and the back of the evaporator cover. It is then discharged through

slots along the air tower at the rear of the freezer compartment.

Air is circulated by the evaporator fan throughout the freezer compartment, where it picks up heat and moisture. The evaporator fan then draws the warmer, moisture-laden air through return louvers in the bottom of the evaporator cover. The air is then drawn through the evaporator where heat is removed and moisture is deposited as frost.



Fresh Food Compartment

Some of the cold air that is being forced against the top of the freezer and back of the evaporator cover is diverted through the lower portion of the freezer air tower and is pushed through the mullion hole into the damper (in control console).

Air circulates throughout the fresh food compartment, picking up heat and moisture. The air is then returned to the evaporator through the return air ducts located at the top right and left of the fresh food compartment.

Notes

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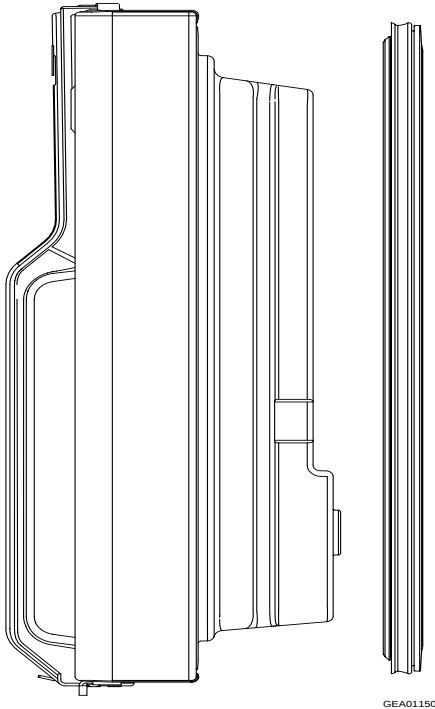
Mechanical Disassembly

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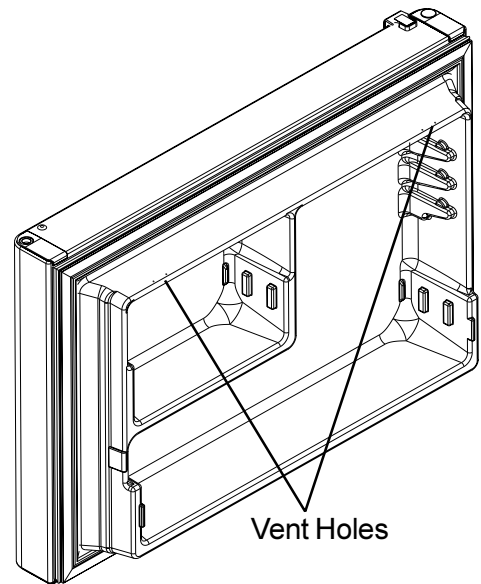
Door Gasket

The fresh food and freezer doors have magnetic gaskets that create a positive seal to the front of the steel cabinet. The magnetic door gaskets are secured to the fresh food and freezer doors by a barbed edge that locks into a retainer channel.



1. Starting at any corner, pull the old gasket out of the retainer channel.
2. Soak the new gasket in warm water to make it pliable.
3. Push the barbed edge of the gasket into the retainer channel.

Doors



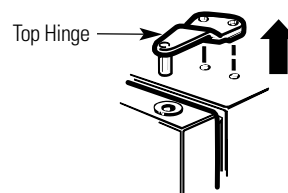
GEA01138

The doors are of one-piece construction with foam insulation. One-piece construction provides superior thermal performance and reduces air infiltration. During manufacturing, the doors are filled with hot foam insulation. This may cause slight distortion or ripples in the inner door liner. This is a normal condition and is the result of the insulating process. This process requires doors to be equipped with vent holes that allow air to escape when the door is filled with foam. A small amount of foam may be visible around the vent holes.

The inner door panels and outer door panels cannot be separated and must be replaced as an assembly.

Freezer Door

1. Remove all food from the inner door liner.



2. Remove 2 screws and the top hinge from the cabinet.

Note: Do **not** lose plastic washers on center hinge pin. Plastic washers are needed for proper door adjustment.

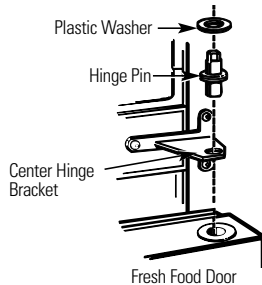
3. Open the door and lift it off the center hinge pin to remove.

Fresh Food Door

1. Remove all food from the inner door liner.

Note: Do **not** lose plastic washers on center hinge pin and lower hinge pin. Plastic washers are needed for proper door adjustment.

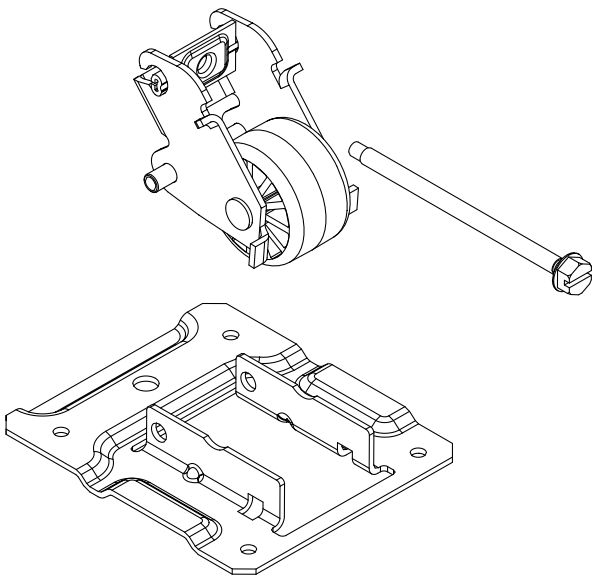
2. Remove pin and washer from center hinge.



3. Open the door and lift it off the bottom hinge to remove.

Rollers

Rollers at the base of the cabinet enable the customer to easily move the refrigerator. Cabinet leveling is done by adjusting the front rollers. To adjust the front rollers, use a 3/8-in. socket or a large flat head screwdriver to turn the roller adjustment screws located behind the base grille. The rear rollers are not adjustable.



GEA01147

To remove a front roller assembly from the base of the cabinet:

1. Tilt the cabinet back and place a 3-in. block under the side of the unit.
2. Remove 3 hex head (1/4-in.) screws from the roller assembly.
3. Loosen the adjustment screw until it disengages from the assembly and remove the assembly from the cabinet.
4. Remove the E-ring to remove the adjustment screw from the base channel.

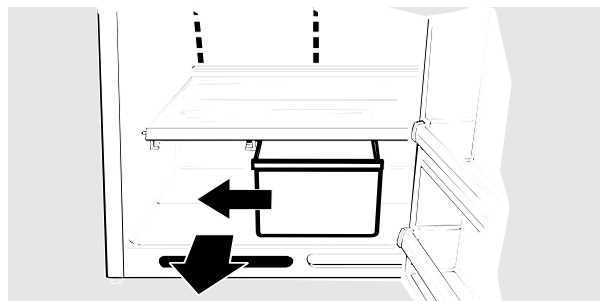
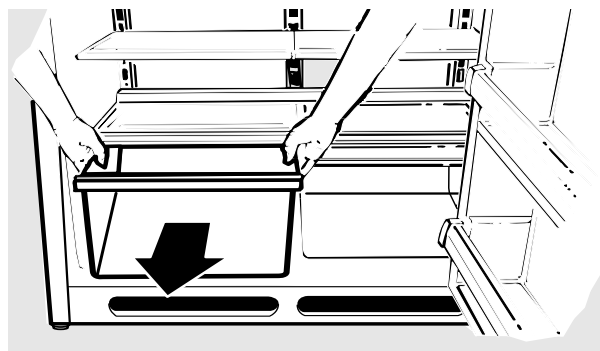
Note: When reinstalling the roller assembly, position the nut with the flared thread toward the rear of the unit.

Crisper Drawers

Unload the bottom shelf before attempting to remove the storage drawers.

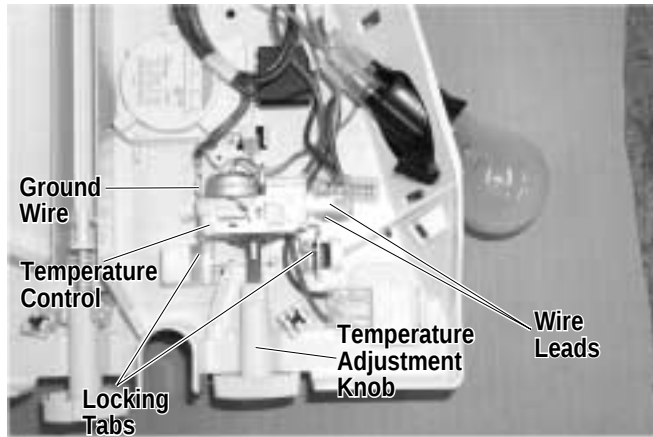
To Remove:

Lift the drawers up slightly while pulling them past the stop location. When the door cannot be fully opened: Remove the drawer that is farthest from the door. Slide the other drawer toward the middle and remove it.



Temperature Control

1. Remove 3 screws and lower the control console.
2. Disconnect the harness connector and remove the control console.



GEA01172

3. Remove knob and clip from temperature control.
4. Remove styrofoam duct from control console.
5. Remove capillary from plastic sheath.

Note:

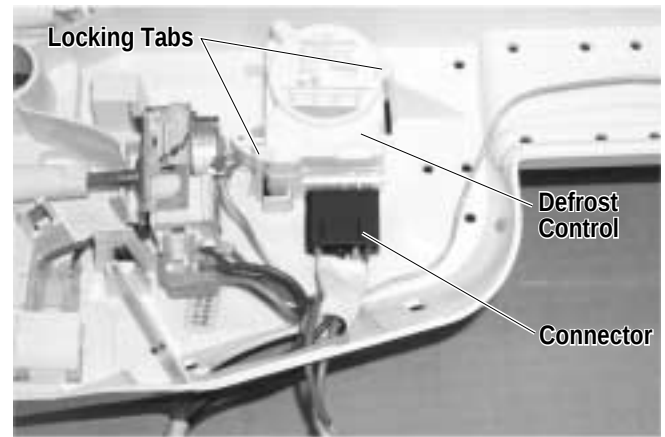
- To avoid damage to capillary, it may be necessary to remove wire connectors from defrost control and from light socket(s).

- Temperature control knob clip will be loose when knob is pulled from temperature control. Use care to avoid losing clip. During installation, clip is installed after knob is pushed on the temperature control.

6. Press the locking tab back and slide the temperature control out of the control console.
7. Disconnect 3 wire leads from the temperature control.

Defrost Control

1. Remove the control console (see Temperature Control procedure).
2. Disconnect the wiring harness connector from the defrost control.

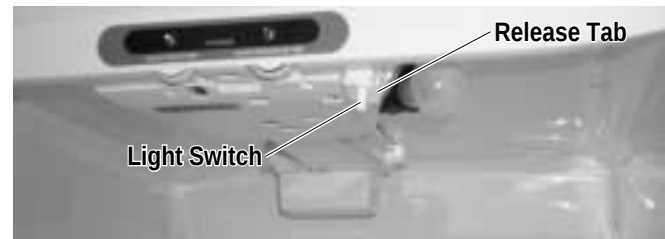


GEA01174

3. Press the locking tabs back and slide the defrost control out of the control console.

Light Switches

1. Insert a small flat screwdriver under the right side of the light switch and release the switch locking tab.

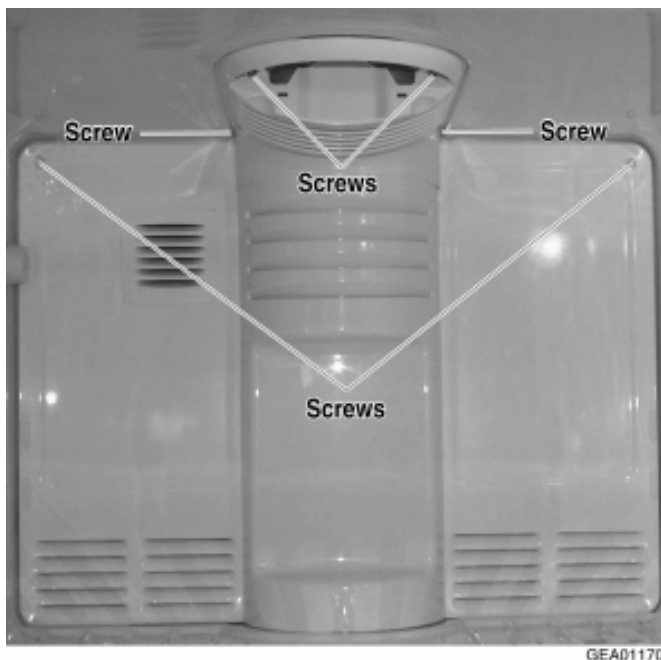


GEA01171

2. Pull the switch out, disconnect the wire leads, and remove the switch.

Air Tower and Evaporator Cover

1. Remove all shelves.



Note: Some models are not equipped with a light and lens in the light housing. Models without a light have a plastic cover installed over the light housing.

2. Remove light lens or plastic cover (models without light).
3. Remove 2 screws from the bottom of the light housing.
4. Slide light housing out from 2 pegs. Disconnect light connector.
5. Remove 2 screws from the air tower.
6. Pull up and remove air tower.
7. Remove 2 screws and evaporator cover with vent cover.
8. Disconnect ground wire from evaporator cover and remove evaporator cover from freezer compartment.

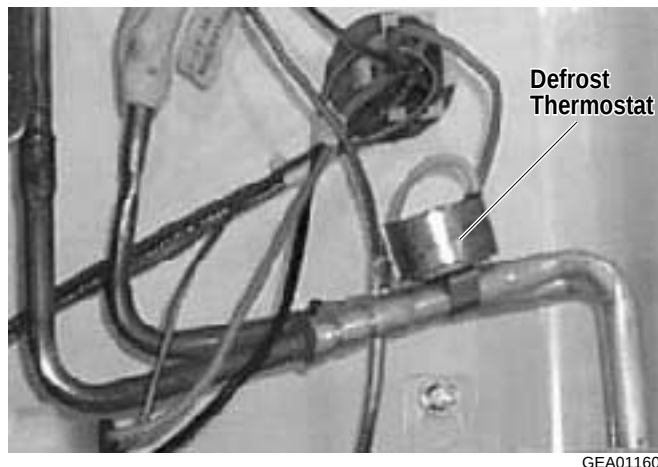
Note:

- When installing light housing, ensure that back of housing is installed on the 2 pegs.
- When installing vent on left side of evaporator cover, vents must direct air down.

Defrost Thermostat

1. Remove the evaporator cover (see Air Tower and Evaporator Cover procedure).

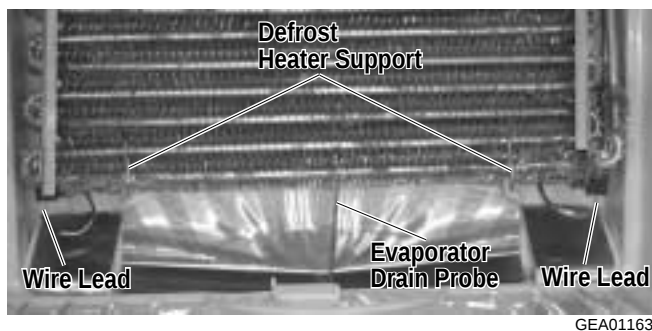
Caution: The thermostat has a metal clip that fastens it to the line. Defrost thermostat can be damaged if handled improperly. Use clip to remove and install thermostat.



2. Remove the thermostat from the line.
3. Cut the thermostat lead wires close to the thermostat to replace.

Defrost Heater

1. Remove the evaporator cover (see Air Tower and Evaporator Cover procedure).



2. Remove 2 defrost heater supports and the evaporator drain probe from the evaporator.

Caution: Do not touch defrost heater glass. Oil and dirt from hands can cause weak spots on the glass.

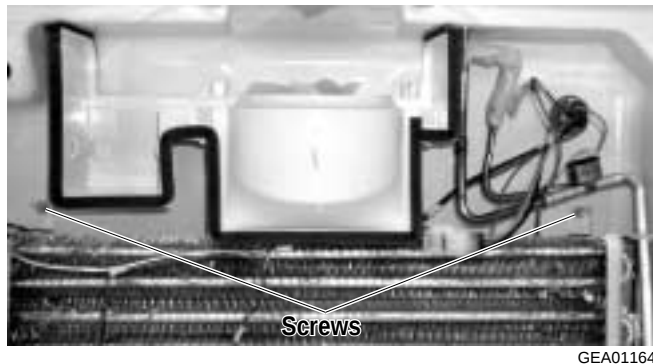
3. Bend the aluminum tabs on the evaporator back (located at each end of the defrost heater) and lower the heater out of the evaporator.

4. Disconnect 2 wire leads and remove the heater.

Note: Evaporator drain probe assists in defrosting drain. During assembly, probe must be installed on evaporator and in drain to prevent drain from freezing closed.

Evaporator (Soldering Method)

1. Recover the refrigerant.
2. Remove the evaporator cover (see Air tower and Evaporator Cover procedure).
3. Remove the defrost thermostat (see Defrost Thermostat procedure).
4. Remove the defrost heater (see Defrost Heater procedure).
5. Disconnect ground wire from evaporator and position all wiring to allow for evaporator removal.
6. Remove 2 screws that hold the evaporator to the cabinet.



Caution:

- If desoldering the evaporator, HEAT SHIELD P/N WR49X10025 must be used to prevent damage to freezer liner.
 - Protect wiring from heat during desoldering and resoldering.
 - To prevent damage to the capillary tube, the capillary tube must be desoldered first.
7. Desolder the capillary tube from the evaporator.
 8. Desolder the suction line. Use a pair of pliers to hold the evaporator.
 9. Remove the evaporator.

10. Using a file, score the capillary tube just above the old solder and break the solder-covered section off. This will help prevent the capillary tube from becoming plugged when resoldering.

11. Position the new evaporator in the cabinet. Insert the suction line and capillary tube into the evaporator.
 12. Solder the suction line to the evaporator using silfos.
 13. Solder the capillary tube to the evaporator using silfos.
- Note:** Evaporator drain probe assists in defrosting drain. During assembly, probe must be installed on evaporator and in drain to prevent drain from freezing closed.
14. Install a replacement dryer.
 15. Evacuate and recharge the system using currently accepted procedures.

Evaporator (LOKRING Method)

1. Recover the refrigerant.
2. Remove the evaporator cover (see Air Tower and Evaporator Cover procedure).
3. Remove the defrost thermostat (see Defrost Thermostat procedure).
4. Remove the defrost heater (see Defrost Heater procedure).
5. Disconnect ground wire from evaporator and position all wiring to allow for evaporator removal.
6. Loosen 2 screws that hold the evaporator to the cabinet.

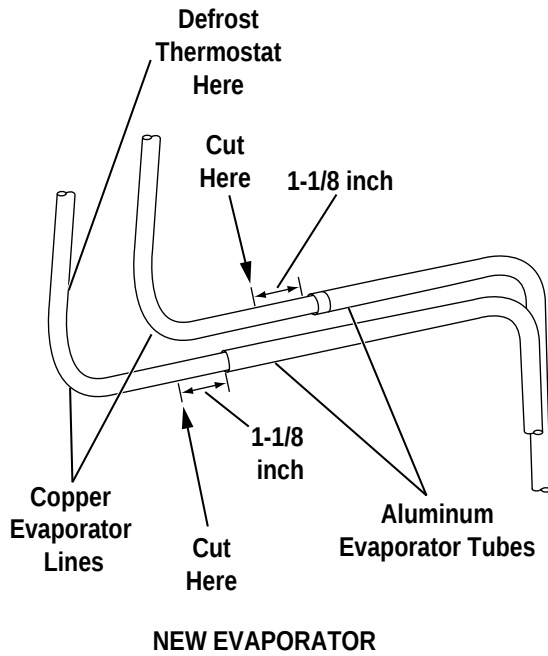
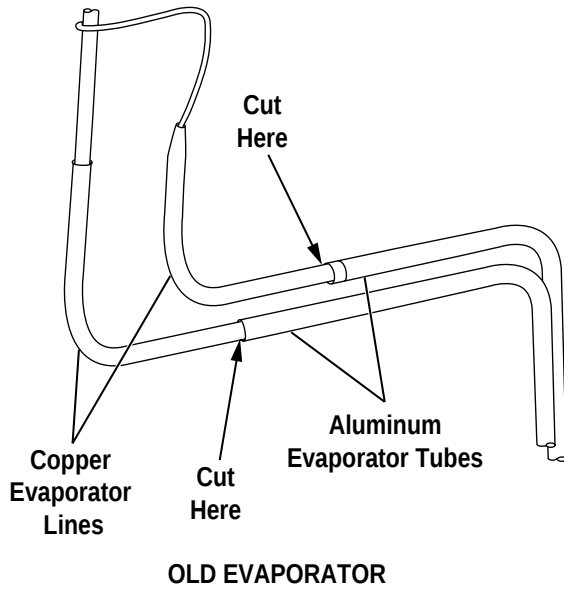
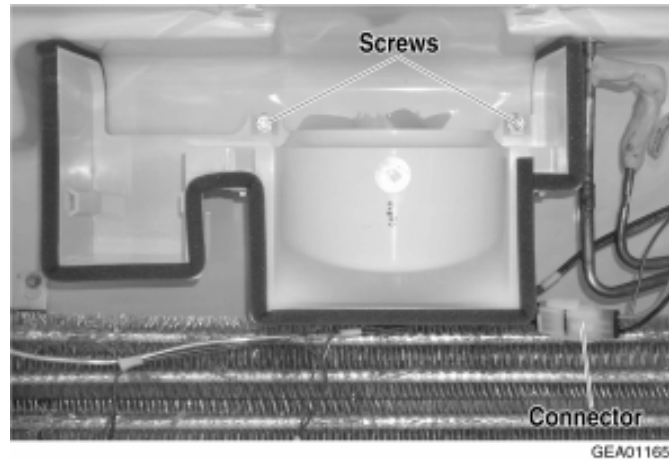
Caution: Tubing must be clean and free from burrs when using LOKRING.

Note: LOKRING connector **P/N WR97X10021** must be used. Two LOKRING connectors are required.

7. Replace the evaporator using the LOKRING method (see Pub # 31-9067).
- Cut the copper lines of the old evaporator as close as possible to the aluminum evaporator tubes.
 - Cut the copper lines of the new evaporator 1-1/8 in. from the edge of the aluminum evaporator tubes.

Evaporator Fan

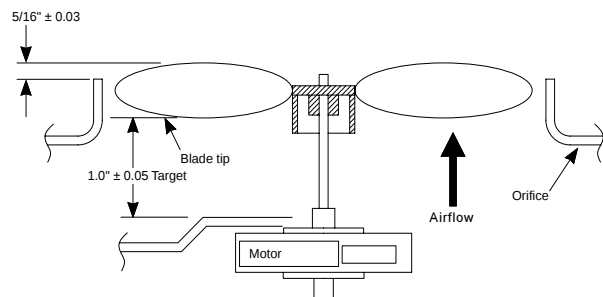
1. Remove the evaporator cover (see Air tower and Evaporator Cover procedure).
2. Disconnect the fan motor connector.



GEA01108

3. Carefully pull the fan off the shaft.
4. Remove 2 screws and fan assembly.
5. Remove fan motor.

Note: The position of the fan blade in relation to the shroud is critical. Refer to figure below for specifications.

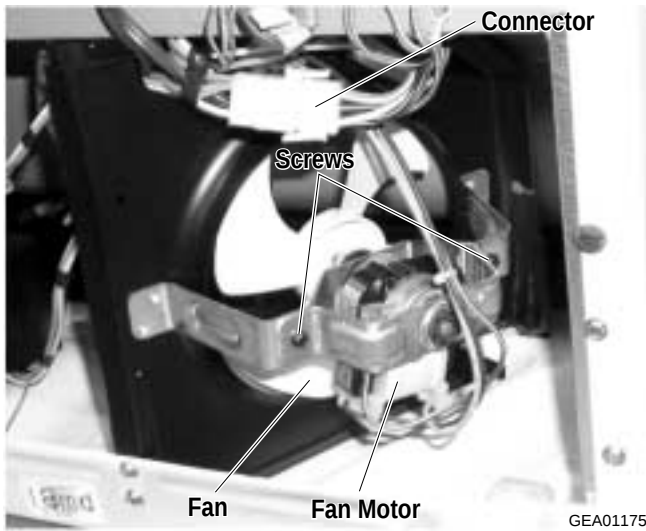


Note: Evaporator drain probe assists in defrosting drain. During assembly, probe must be installed on evaporator and in drain to prevent drain from freezing closed.

8. Install a replacement dryer.
9. Evacuate and recharge the system using currently accepted procedures.

Condenser Fan

1. Remove the machine compartment cover.
2. Disconnect the fan motor connector.
3. Carefully push the fan off the motor shaft.



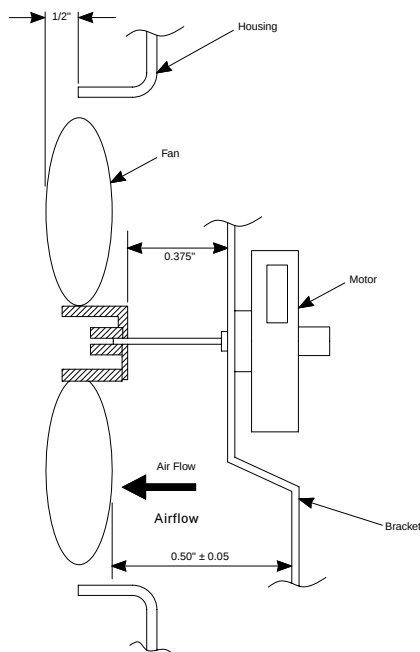
GEA01175

4. Remove 2 screws, bracket, and the fan motor.

Caution: During installation, water valve connector must be tied clear of fan operation.

Note:

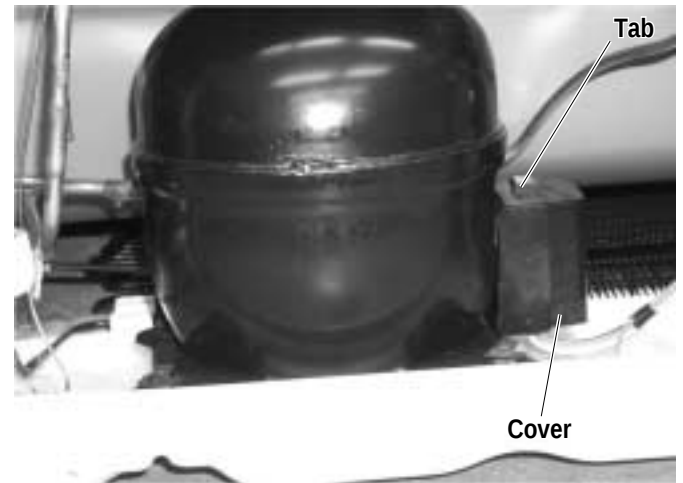
- The position of the fan blade in relation to the shroud is critical. Refer to figure below for specifications.
- Ensure that harness connectors are connected completely and that connector clips are engaged. If connectors are not connected correctly, they may vibrate apart.



GEA01148

PTCR Relay/Overload Cover (Compressor)

1. Remove the machine compartment cover.



GEA01169

2. Insert a flat screwdriver under the tab on the cover's top surface, pry up, and remove.
3. Remove the cover.

PTCR Relay (Compressor)

1. Remove the PTCR relay/overload cover (see procedure).



GEA01207

2. Pull the PTCR relay straight out from the compressor.
3. Disconnect the wire leads from the relay.

Overload (Compressor)

1. Remove the PTCR relay/overload cover (see procedure).
2. Remove the PTCR relay (see procedure).
3. Pull the overload straight out from the compressor.
4. Disconnect the wire lead from the overload.

Capacitor (Compressor)

1. Remove the machine compartment cover.



GEA01168

2. Disconnect the wire leads from the capacitor.
3. Discharge the capacitor with a screwdriver.
4. Remove 1 screw and the capacitor.

Compressor

Note:

- Capillary tube must be clipped to compressor suction line near the dryer. If capillary tube is not clipped to suction line, a knocking noise may occur during compressor operation.
- The channel in which the compressor is mounted must be disengaged from the cabinet to remove the compressor.
- Ensure that harness connectors are connected completely and that connector clips are engaged. If connectors are not connected correctly, they may vibrate apart.

Refer to the compressor replacement instructions included with the replacement compressor.

Notes

[illegible]

Troubleshooting

Note:

- **Refer to Operating Characteristics before choosing a troubleshooting procedure.**
- **Refer to Schematics.**
- **Refer to Component Locator Views.**

Compressor Knock

Capillary tube not taped to suction line. Check to see that capillary tube is clipped to the suction line near the dryer.

Low or No Cooling

Check for the following problems:

1. **Condenser dirty/clogged.** Unplug unit and clean condenser and underside of refrigerator.
2. **Interior lights remain on.** Check to see that interior lights turn off when door switch is pressed.
3. **Door gasket does not seal.** Check for damaged or leaking door gasket.
4. **Compressor does not operate.** Go to Compressor Does Not Operate troubleshooting.
5. **Condenser fan does not operate.** Go to Condenser Fan Does Not Operate troubleshooting.
6. **Evaporator fan does not operate.** Go to Evaporator Fan Does Not Operate troubleshooting.
7. **Evaporator is frosted.** Go to Defrost System Check.
8. **Duct is clogged between freezer compartment and fresh food compartment.** If fresh food compartment is warm and freezer is normal or too cold, duct (diffuser) may be clogged. Duct is accessed by removing air tower.
9. **Refrigeration system faulty.** Go to Refrigeration System Check.

Compressor Does Not Operate

Check for the following problems:

Note: The defrost control **must** be in cooling mode to operate the compressor (provide 115 VAC to the compressor overload). It may be necessary to manually rotate the defrost control to cooling mode before checking for voltage at the compressor overload.

1. **115 VAC not present at compressor overload.** If 115 VAC is not present at the compressor overload, check for an open temperature control or an open defrost control (cooling mode - terminals 3 and 4 are closed).

Note: The compressor, condenser fan, and evaporator fan should always operate at the same time. If the condenser fan is operating, the temperature control and defrost control are OK.

2. **Overload open.** High heat or high current draw will cause the overload to open. The overload should close when the temperature lowers to normal or when normal current draw is present.
3. **PTCR relay open.**
4. **Run capacitor faulty.**
5. **Open wire or faulty connector.** Refer to Schematics.
6. **Compressor motor faulty.** Check resistance across the compressor motor. Refer to Schematics for resistance values.
7. **Compressor mechanically stalled.**

Condenser Fan Does Not Operate

Check for the following problems:

1. **Condenser fan faulty.**
2. **115 VAC not present at condenser fan.** The compressor, condenser fan, and evaporator fan should always operate at the same time. If the compressor is operating, the temperature control and defrost control are OK.
3. **Orange wire open on neutral side of condenser fan.** Refer to Schematics.

Evaporator Fan Does Not Operate

Check for the following problems:

1. **Evaporator fan faulty.**
2. **115 VAC not present at evaporator fan.** The compressor, condenser fan, and evaporator fan should always operate at the same time. If the compressor and condenser fan are operating, the temperature control and defrost control are OK.
3. **Orange wire open on neutral side of evaporator fan.** Refer to Schematics.

Light Does Not Illuminate

Check for the following problems:

1. **Lamp faulty.**
2. **Door switch open.** Check continuity across the door switch with the wires disconnected.
3. **Open wire or faulty connector.** Refer to Schematics.

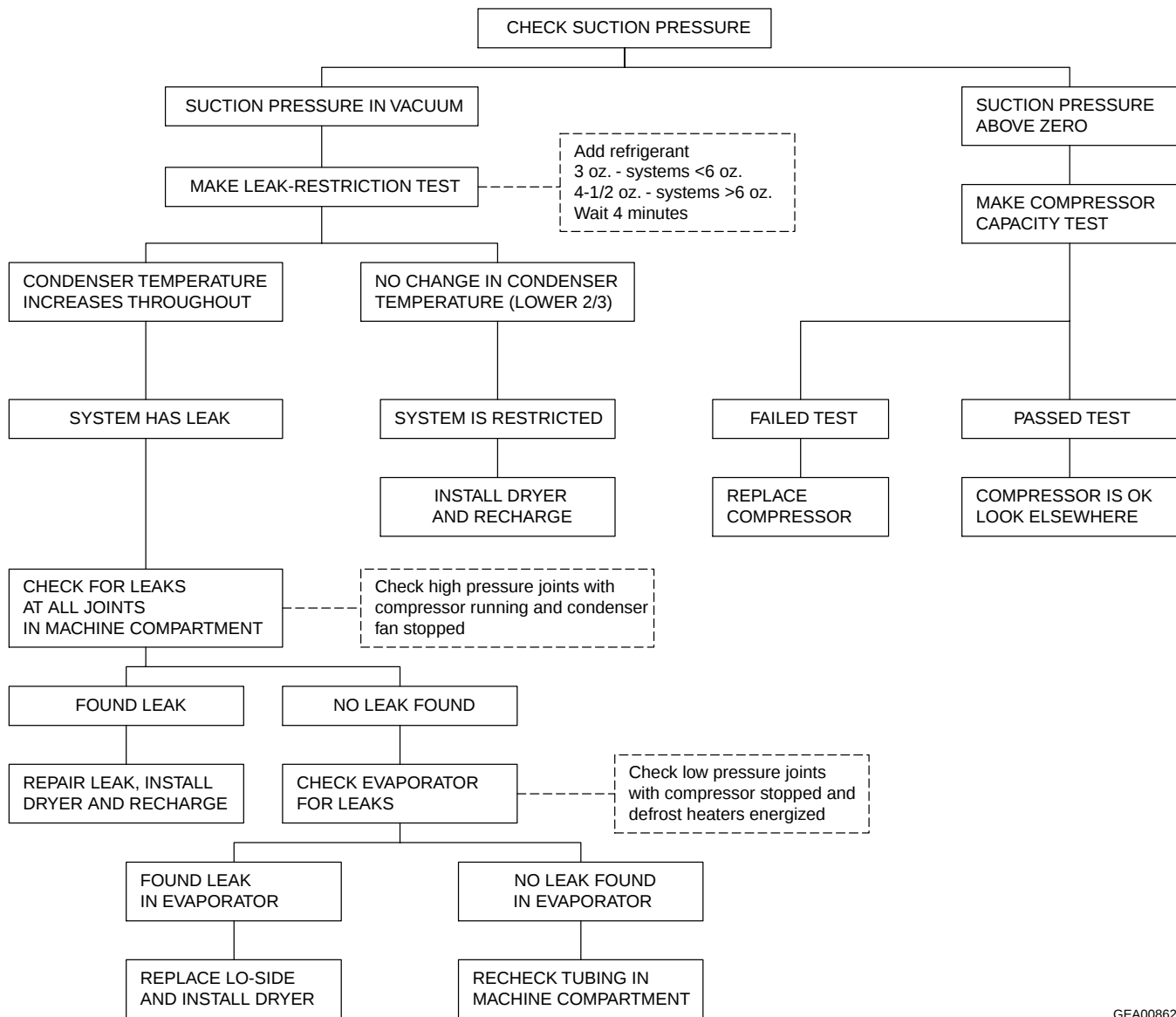
Defrost System Check (Freezer)

The automatic defrost function is controlled by the defrost control. The defrost control contains a motor/cam mechanism that switches the defrost control between defrost mode and cooling mode. The defrost control motor/cam mechanism operates only when the temperature control (switch) is closed. After 8 hours of motor/cam mechanism runtime in cooling mode, the defrost control switches to defrost mode. The defrost control will stay in defrost mode, providing 115 VAC to the heater for 30 minutes of motor/cam mechanism runtime. The defrost thermostat switch is mounted on the evaporator and, when closed, completes the neutral side of the defrost heater circuit. The defrost thermostat switch opens when the evaporator temperature raises to 58 °F and closes when the evaporator temperature lowers to 28 °F. The defrost thermostat switch typically opens during the defrost cycle, preventing the heater from defrosting for the full 30 minutes. The purpose for the 30-minute defrost mode at the defrost control is to prevent the compressor from operating and refreezing any water that may be dripping from the evaporator.

Check for the following problems:

1. **Defrost heater open.** Check resistance across the defrost heater. Refer to Schematics for resistance values.
2. **Defrost thermostat switch stuck open.** The defrost thermostat switch opens when the evaporator temperature raises to 58 °F and closes when the evaporator temperature lowers to 28 °F.
3. **Defrost control open in defrost mode.** Manually rotate the defrost control into defrost mode. Check for continuity across the defrost control between terminals 2 and 3. Refer to Schematics.
4. **Open wire or faulty connector.** Refer to Schematics.
5. **Clogged or frozen drain.** Check for a clogged or frozen drain. If frozen, see “Heat conducting clip not installed” below.
6. **Heat conducting clip not installed.** If the heat conducting clip is not installed on the evaporator and in the drain, the drain may freeze closed.

Refrigeration System Check



GEA00862

Notes

[illegible]

Component Locator Views

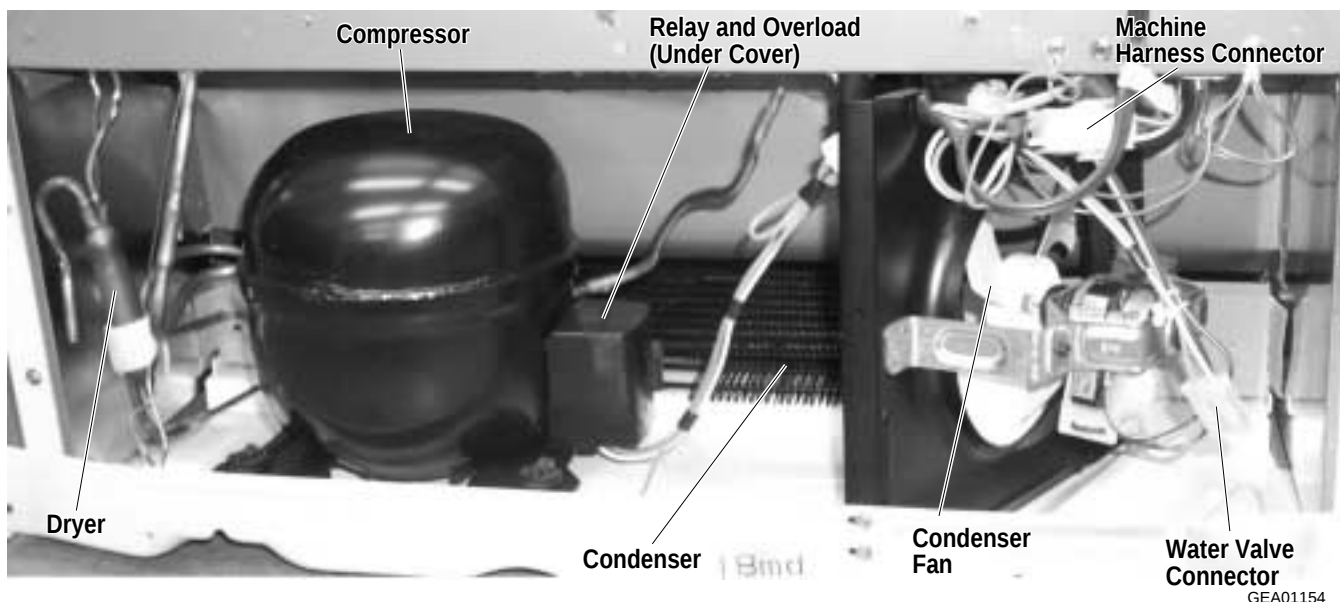


Figure 1 - Machine Compartment

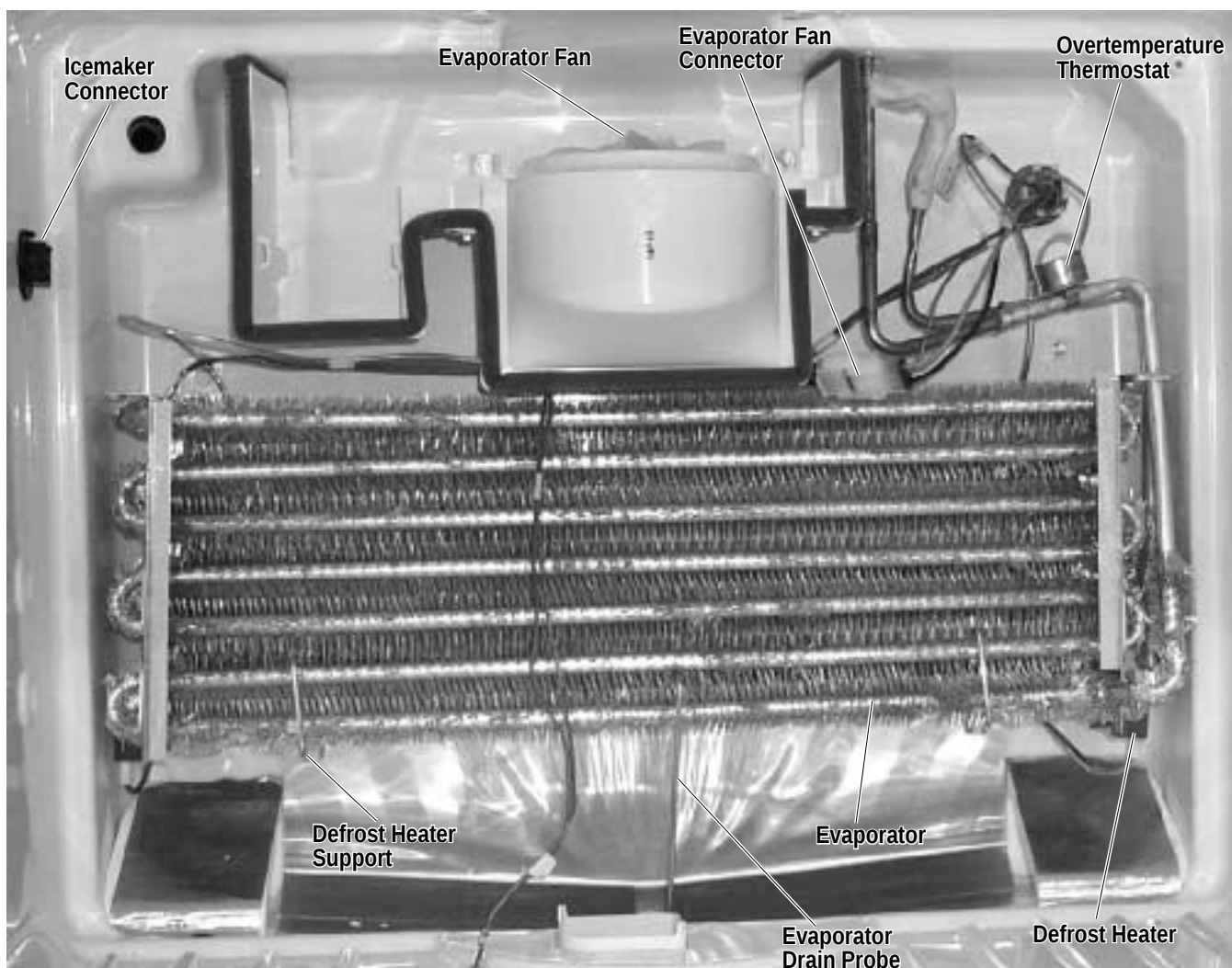
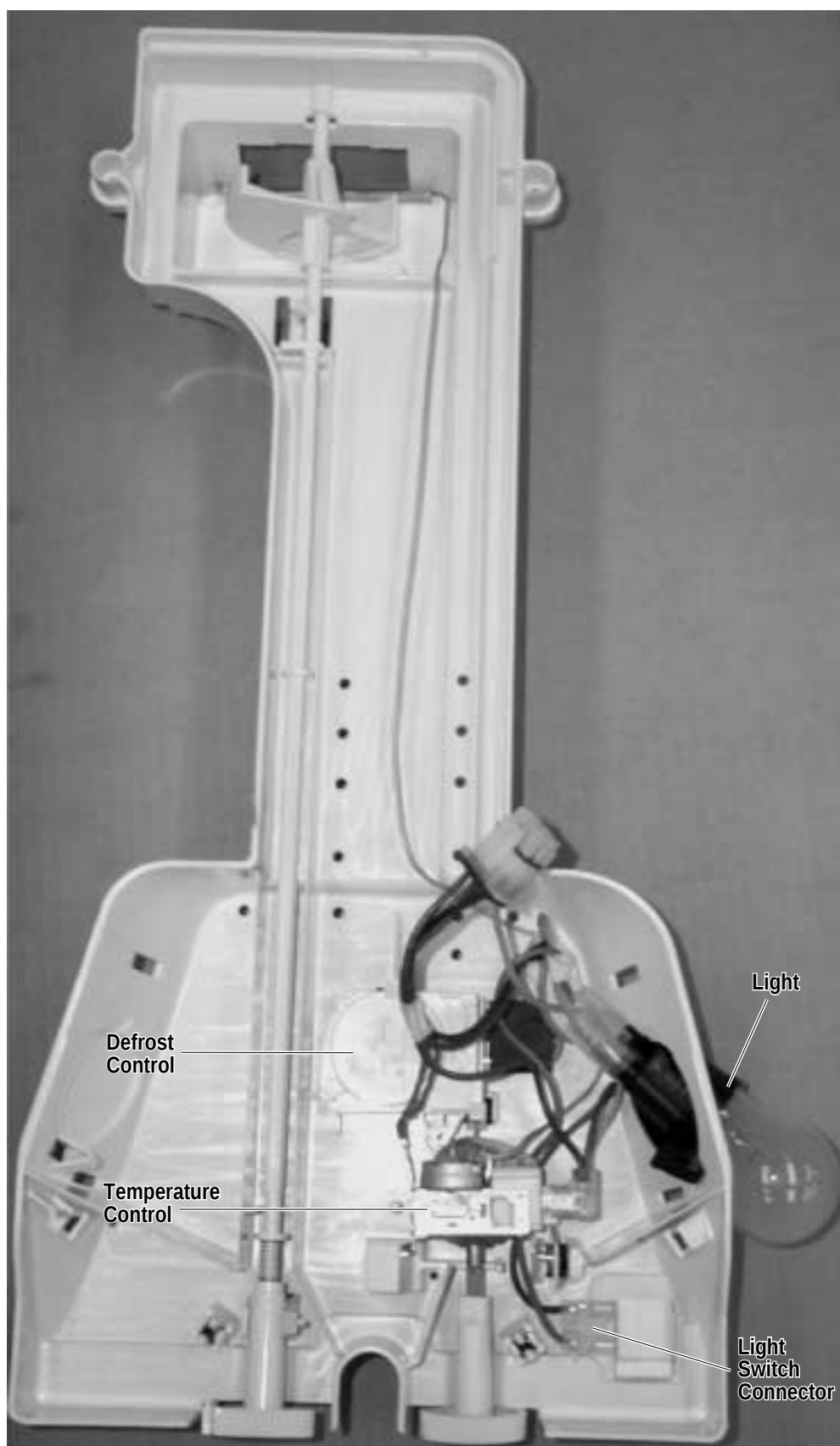


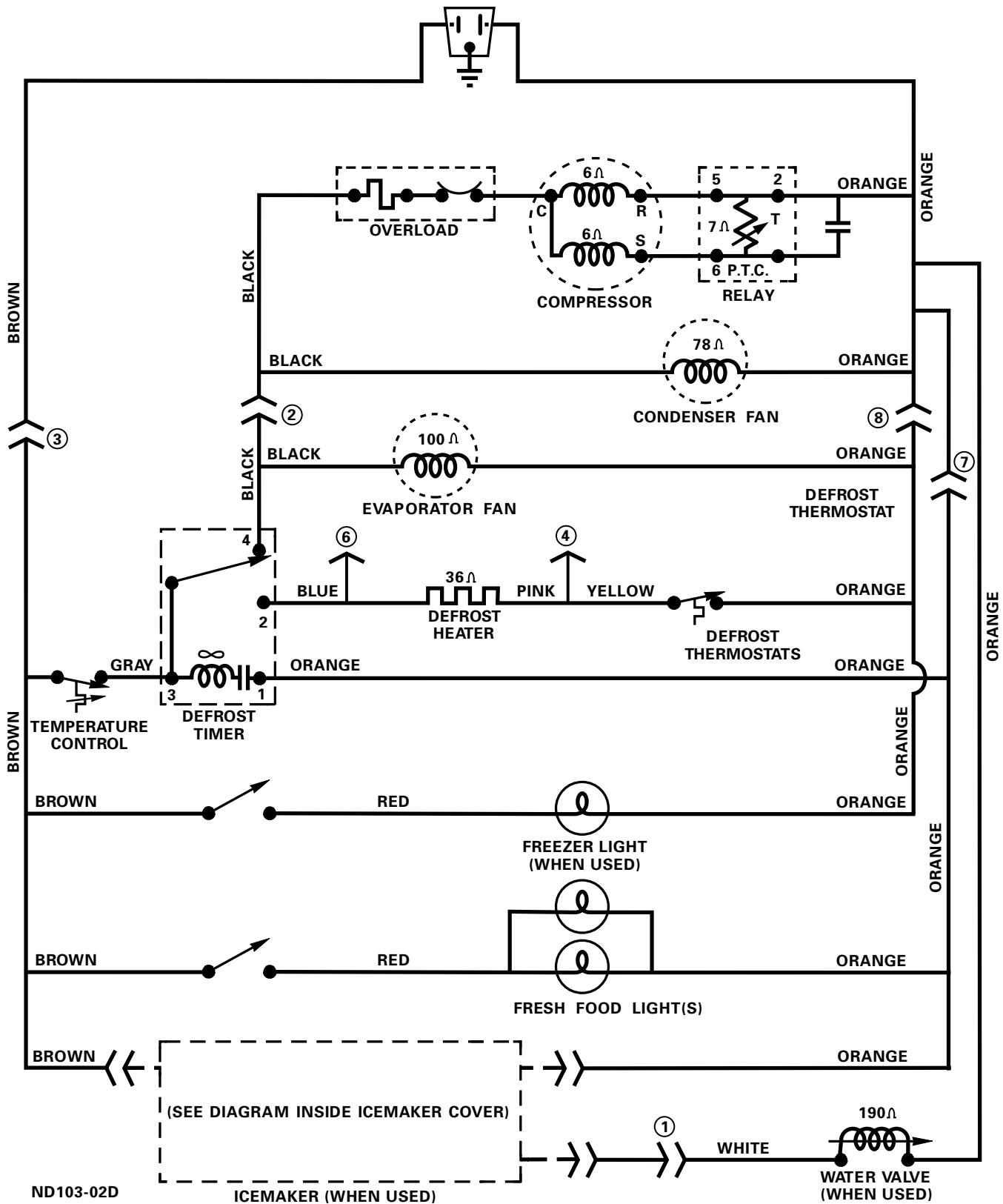
Figure 2 - Evaporator and Associated Parts

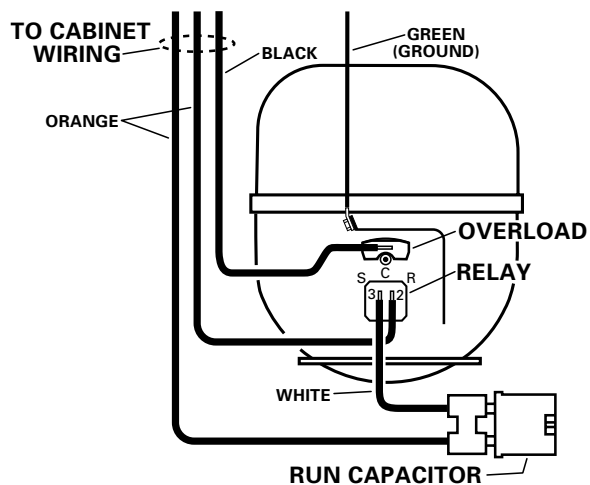
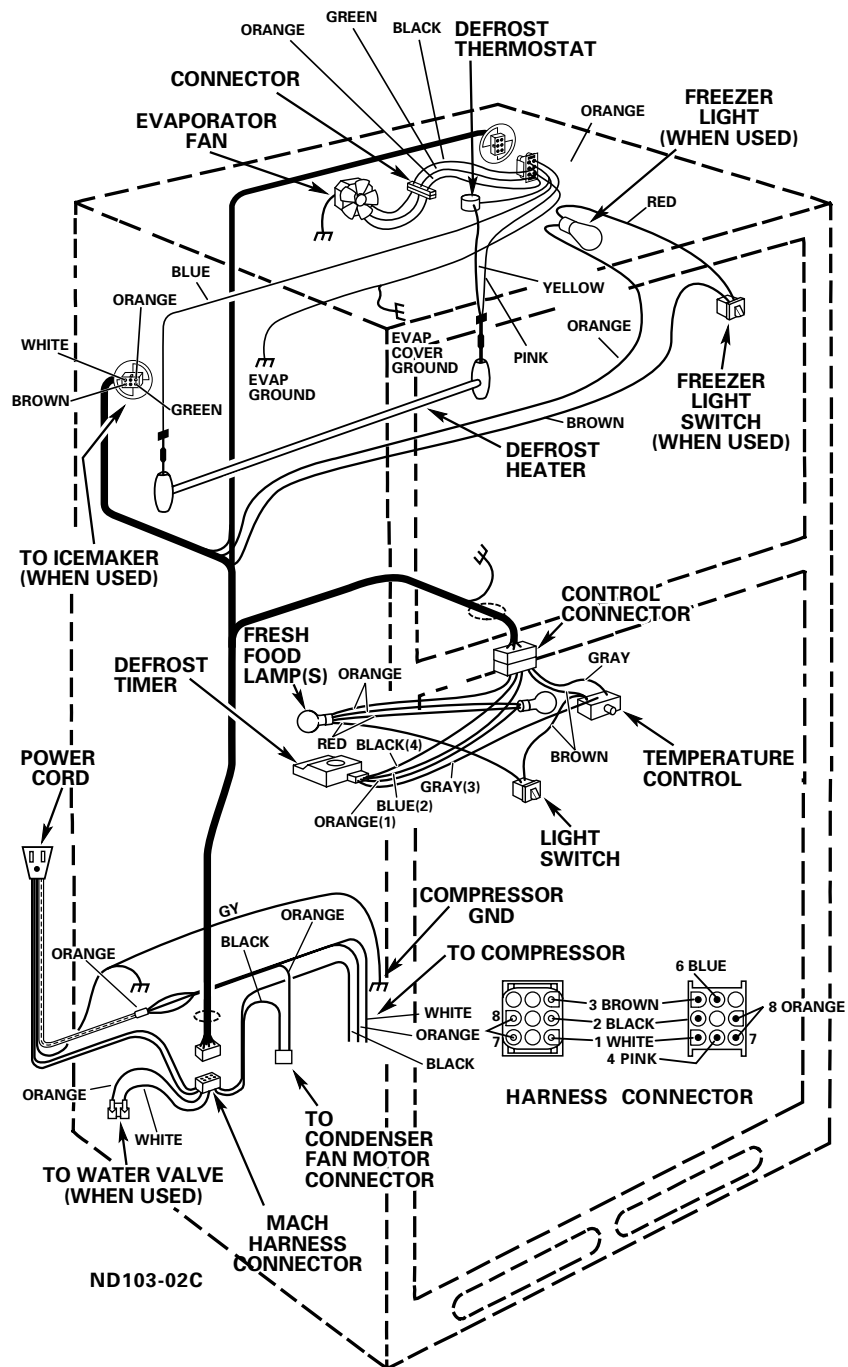


GEA01166

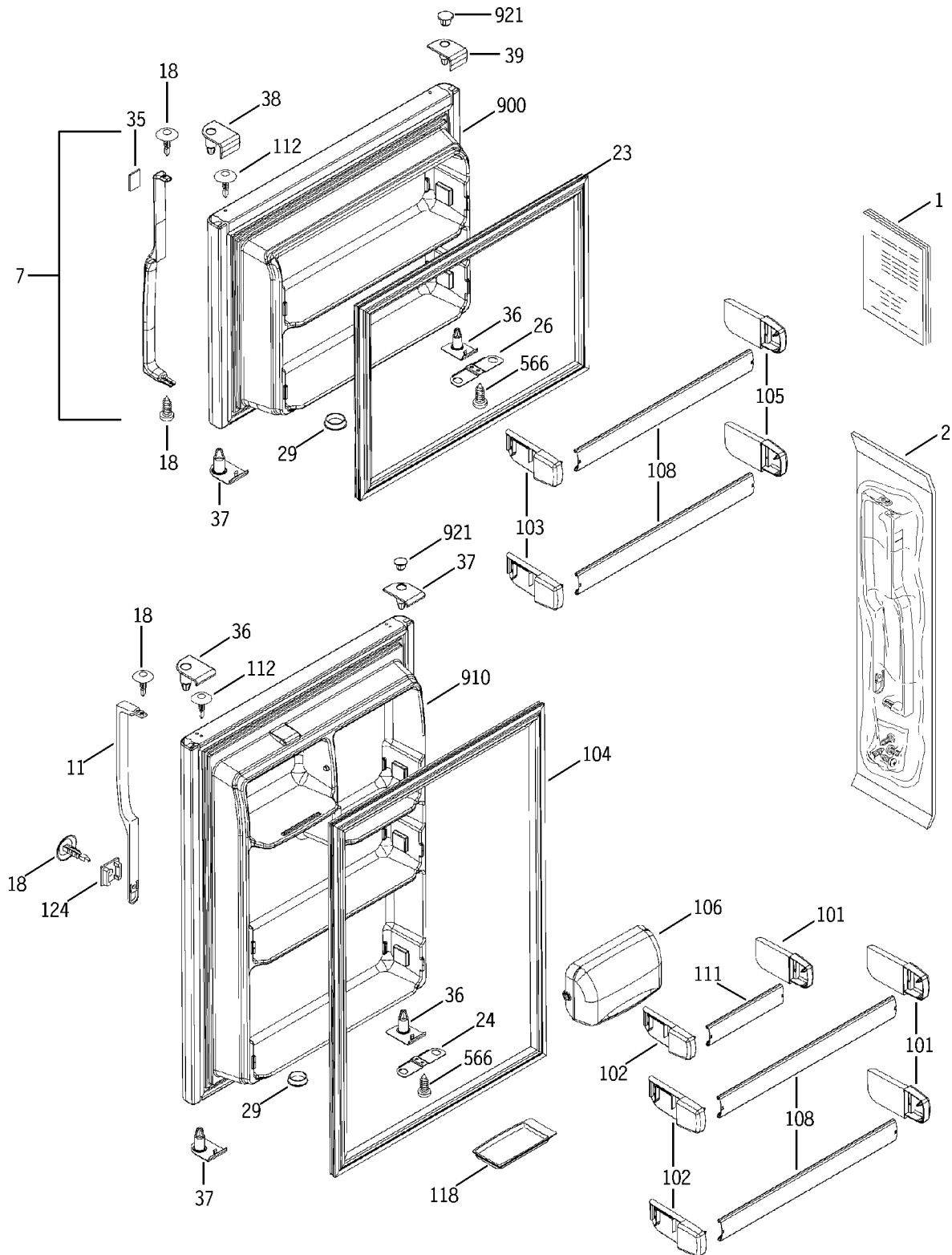
Figure 3 - Control Console

Schematics

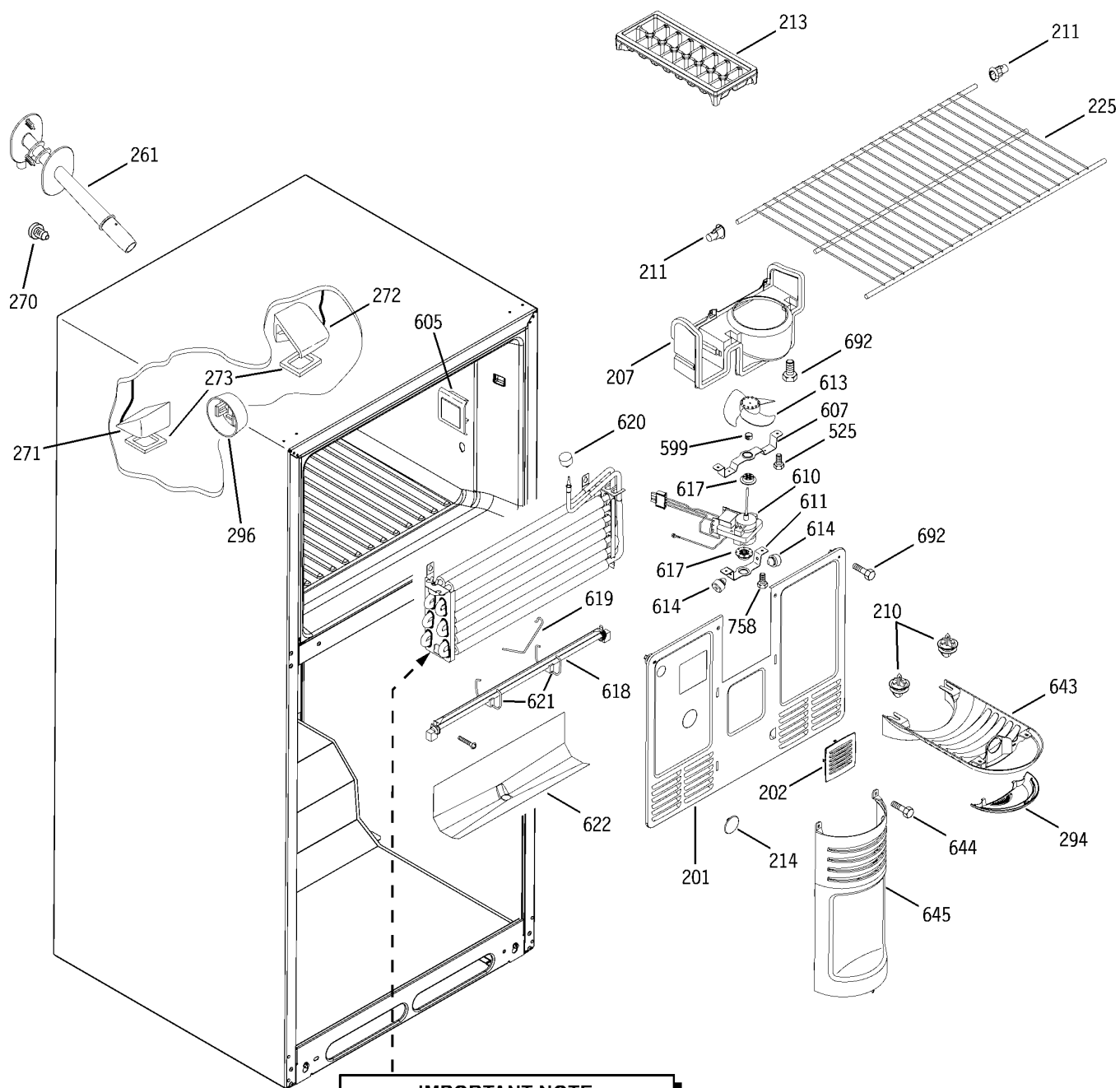




Parts List



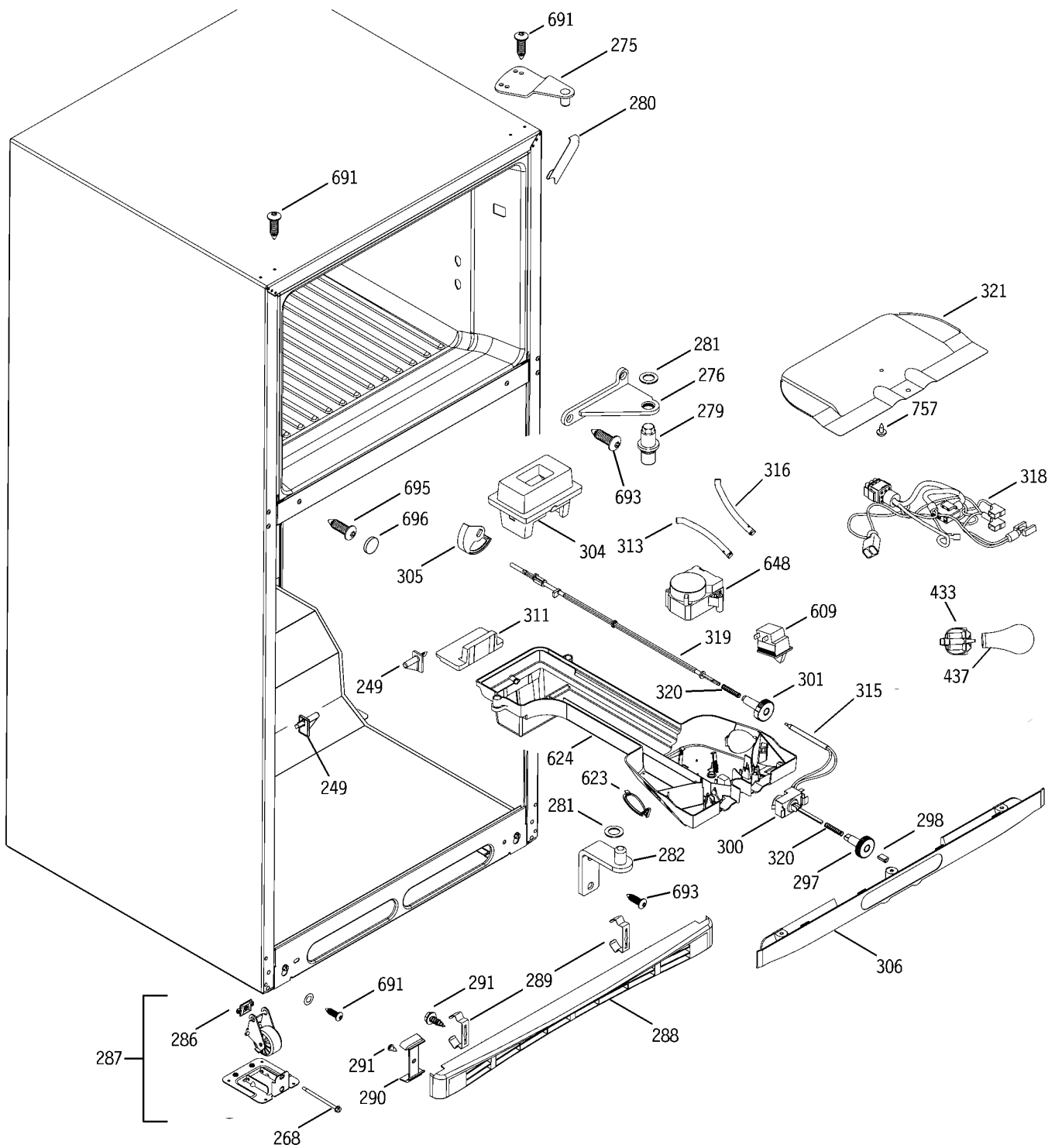
Note: The components shown in this drawing may differ from the components in your unit. Refer to the microfiche or GEA IPC for the component and part number for your unit.



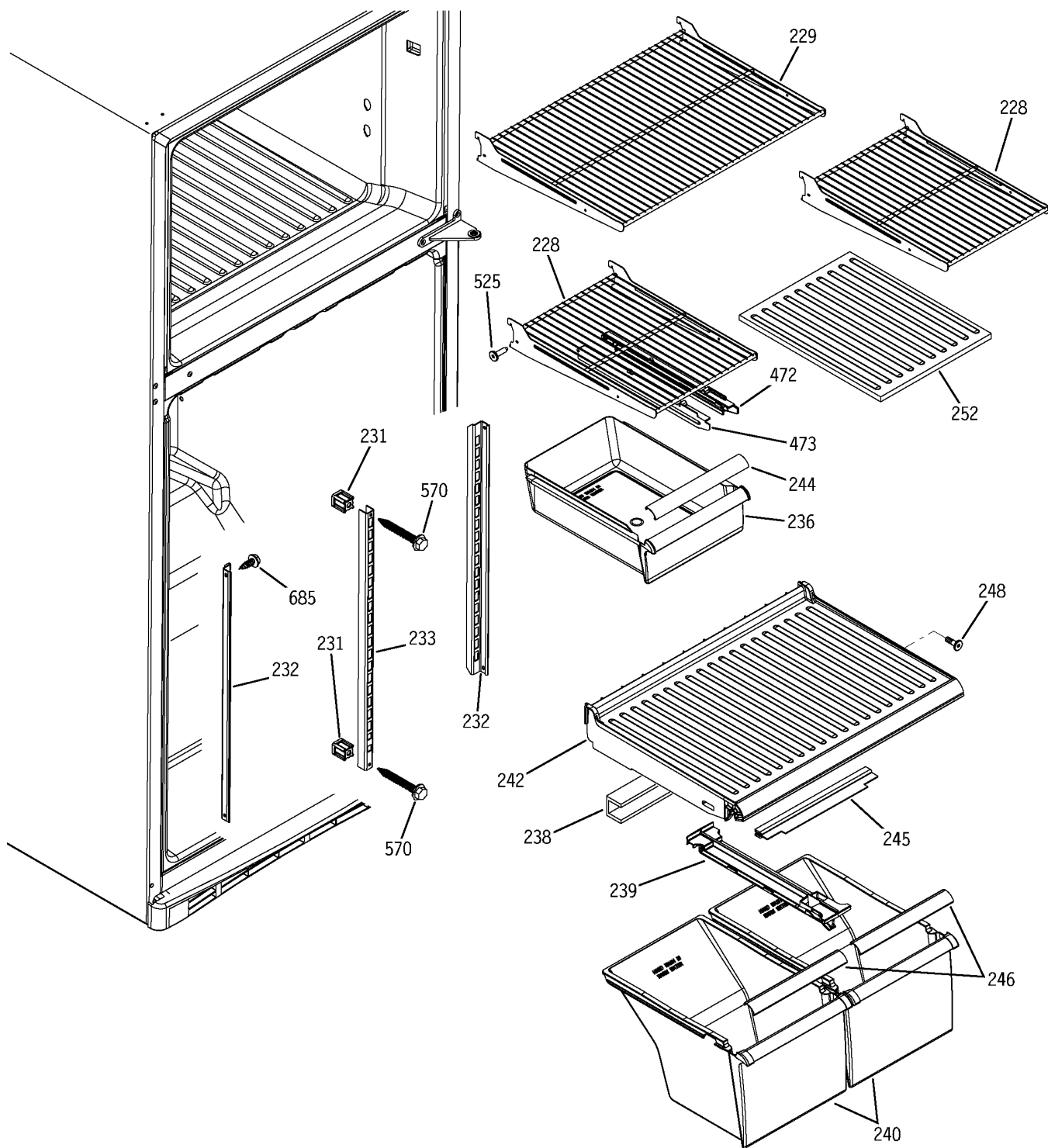
IMPORTANT NOTE:

Additional parts are required to install evaporator. See **EVAPORATOR INSTRUCTIONS** page of this model for additional part numbers and replacement options

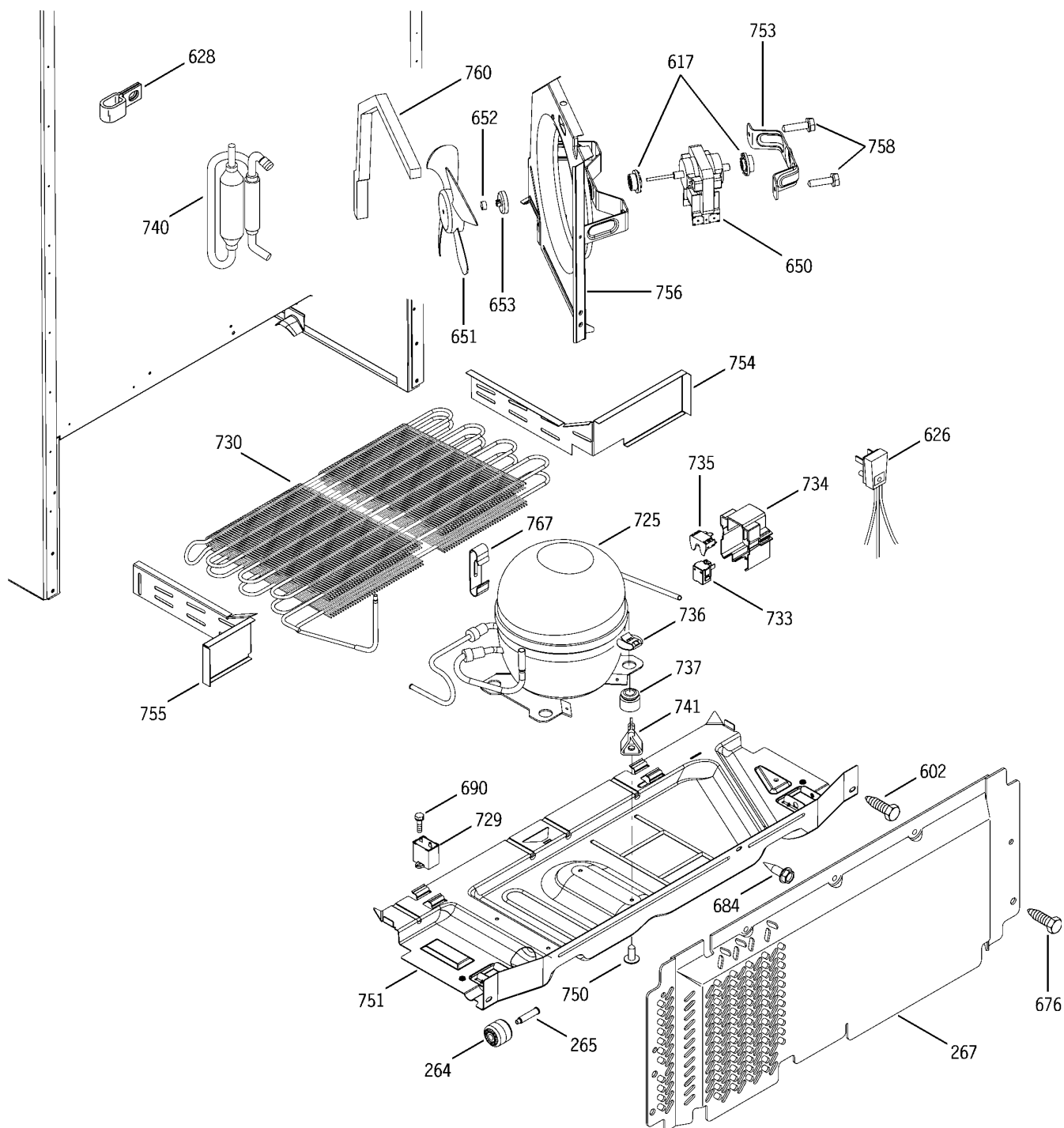
Note: The components shown in this drawing may differ from the components in your unit. Refer to the microfiche or GEA IPC for the component and part number for your unit.



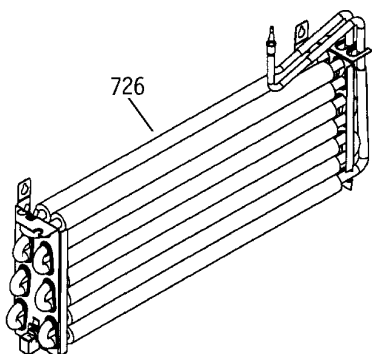
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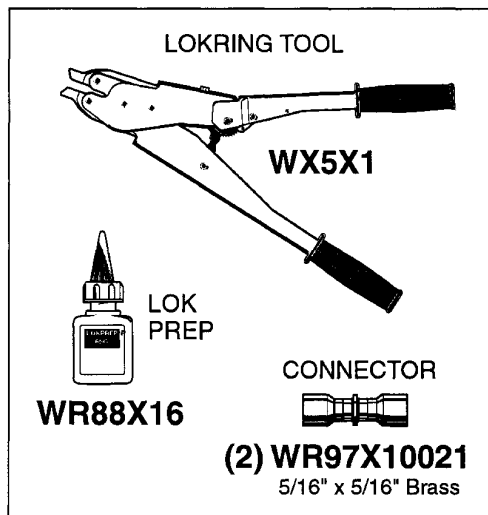
There are two approved evaporator replacement methods. The Lokring® method requires no brazing, by utilizing tight mechanical connections. The heat shield uses the traditional brazing method, but provides protection to the upper liner while brazing the evaporator connections in the freezer compartment.

Always add a new filter drier when servicing the sealed system. Follow each step of the instructions included with the replacement evaporator.

LOKRING® METHOD

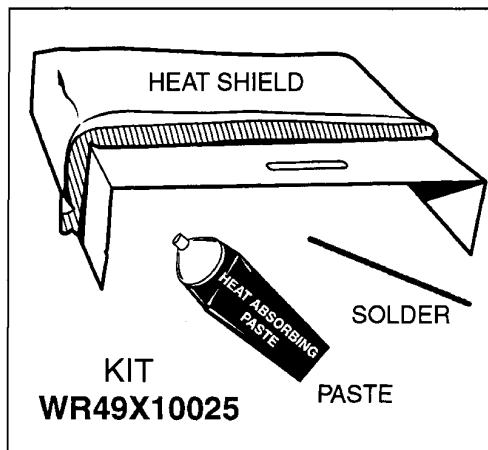
LokRing® is a method of installing the evaporator in the freezer without the use of a torch. It utilizes a mechanical connection rather than a brazed connection. Apply a few drops of LokPrep (a special sealing solution), to the ends of the tubing that you wish to join together. The LokRing® tool compresses the connector to ensure a tight, mechanical connection. The parts shown to the right are required for the LokRing® replacement method.

For additional information on how to use LokRing®, call 1-800-848-7722 & order publication # 31-9067 (LokRing repair procedures manual) and publication # 31-9066 (Lokring repair procedures VHS video tape).



HEAT SHIELD METHOD

The heat shield kit is used to prevent damage to the refrigerator liner when brazing the evaporator into the sealed system. Refer to the instructions included in the heat shield kit. The kit comes with enough heat absorbing paste, solder and tape to complete four repairs.



Note: The components shown in this drawing may differ from the components in your unit. Refer to the microfiche or GEA IPC for the component and part number for your unit.

GTS18DBMBLAA

VIEW	CATALOG NUMBER	DESCRIPTION	QTY
1	31-51377	PM MINI MANUAL WIRING	1
1	49-60102	USE & CARE MANUAL	1
2	WR12X10426	PK HANDLE SMALL ASM	1
7	WR12X10427	HANDLE ASM FZ AD	1
11	WR12X10428	HANDLE DOOR ASM FF AD	1
18	WR1X1726D	SCR 10-16 AB 3/4 SS	7
23	WR24X10095	GASKET DOOR FZ WH	1
24	WR02X10740	STOP DOOR FF	1
26	WR02X10759	STOP DOOR FZ AD	1
29	WR02X8088	PLUG BUTTON INSERT AD	2
35	WR04X10029	LENS NAMEPLATE AD	1
36	WR02X10760	CAP DOOR CORNER AD	3
37	WR02X10761	CAP DOOR CORNER AD	3
38	WR02X10799	CAP DOOR CORNER AD	1
39	WR02X10800	CAP DOOR CORNER AD	1
101	WR02X10789	CAP SHELF FRONT RH	3
102	WR02X10790	CAP SHELF FRONT LH	3
103	WR02X10792	CAP SHELF FRONT LH	2
104	WR24X10094	GASKET DOOR FF WH	1
105	WR02X10791	CAP SHELF FRONT RH	2
106	WR22X10024	DOOR DAIRY CLEAR	1
108	WR71X10281	SHELF FRONT FULL	4
111	WR71X10282	SHELF FRONT FF HALF	1
112	WR02X8697	PLUG DOOR RVSBLAD	4
118	WR19X5003	BUTTER DISH	1
124	WR12X10125	PLUG BUTTON HANDLE AD	1
201	WR17X10850	COVER EVAP ASM	1
202	WR02X10717	GRILLE ICE SERVICE	1
207	WR14X10082	FOAM STRIP SE ADH	2
207	WR17X10867	HOUSING FAN EVAPORATOR	1
210	WR02X8999	PLUG BUTTON MTG	2
211	WR02X7973	SUPPORT SHELF	8
213	WR30X0311	TRAY ICE	2
214	WR02X7148	PLUG BUTTON	1
225	WR71X10269	SHELF ASM FZ	1
228	WR71X10285	SHELF CANT WIRE ASM	2
229	WR71X10284	SHELF CANT WIRE ASM	1
231	WR02X7018	SPACER TRACK	2
232	WR72X10057	TRACK CANT SIDE	2
233	WR72X10056	TRACK CANT CENTER	1
236	WR32X10178	PAN SNACK	1
238	WR17X11107	SUPPORT RAIL VP COVER	1
239	WR17X11089	SLIDE COVER CENTER	1
240	WR32X10181	PAN 1/2 HAMMER HEAD	2
242	WR32X10279	COVER VEG PAN	1
244	WR17X10852	HANDLE PAN (TRIM) SNACK	1
245	WR14X10075	GASKET CVR PAN FRONT	1
246	WR17X10904	HANDLE PAN (TRIM)	2
248	WR01X1737	SCREW HSG	1
249	WR02X10736	SUPPORT TWIST VP	2
252	WR32X10180	COVER SNACK PAN	1
261	WR02X10804	GROMMET WATER FILL ASM	1

Note: The components shown in this drawing may differ from the components in your unit. Refer to the microfiche or GEA IPC for the component and part number for your unit.

264	WR02X10695	WHEEL MOBILITY REAR	2
265	WR01X10039	AXLE WHEEL	2
267	WR82X10078	COVER ACCESS ASM	1
268	WR01X10219	SCREW MOBILITY	2
270	WR02X8247	PLUG BUTTON WATER FILL	1
271	WR02X10718	HOOD DUCT FF ASM L/SIDE	1
272	WR02X10719	HOOD DUCT FF ASM R/SIDE	1
273	WR14X10077	GASKET HOOD	2
275	WR13X10231	HINGE TOP & PIN ASM	1
276	WR13X10146	HINGE CENTER ASM AD	1
279	WR13X0587	PIN HINGE CTR	1
280	WR02X10696	CAP CORNER OC AD	2
281	WR01X10146	WASHER HINGE BROWN	2
282	WR13X10147	HINGE BTM & PIN ASM AD	1
286	WR01X1815	LEVELING NUT	2
287	WR02X10722	MOBILITY ASM	2
288	WR74X10067	GRILLE BASE AD	1
289	WR02X10738	CLIP GRILLE	2
290	WR02X10757	CAP GRILLE BASE AD	1
291	WR01X10221	SCR 8-10 PL PNP 1/2 S	3
294	WR02X10793	SHIELD LIGHT FZ	1
296	WR02X11123	COVER IM RECEPTACLE	1
297	WR02X10797	KNOB THUMB CONTROL FF	1
298	WR01X10216	RETAINER KNOB	1
300	WR09X10073	CONTROL TEMP	1
301	WR02X10796	KNOB THUMB CONTROL FZ	1
304	WR02X10723	NOZZLE CONTROL FOAM	1
305	WR02X10734	WHEEL DAMPER	1
306	WR17X10907	HOUSING CNTRL FRONT ASM	1
311	WR02X10709	BLOCK FOAM CONTROL	1
315	WR02X11006	SLEEVE VINYL	1
318	WR23X10208	HARNESS CNTRL MODULE	1
319	WR02X10727	SHAFT DAMPER	1
320	WR01X10220	SPRING KNOB	2
321	WR02X10731	SHIELD REFLECTOR FF	1
433	WR02X9391	SOCKET & TERMINAL ASM	1
437	60A	LAMP 60W APPL	1
472	WR72X10086	SLIDE SNACK PAN RH	1
473	WR72X10055	SLIDE SNACK PAN LH	1
525	WR1X1763D	SCR 8-18 T WAFER 5/8	6
566	WR01X1728	SCR 10-16 1/2 PH	4
570	WR01X1757	SCR 8-18 HXW 1 1/4S WH	4
599	WR02X10509	RING COMPRESSION FAN	1
602	WR01X1591	SCR 1/4-14 X 3/4	2
605	WR02X10795	PLUG HOUSING SWITCH	1
607	WR02X10710	BRACKET EVAP FAN INT	1
609	WR23X10143	SWITCH LIGHT FF/FZ	1
610	WR60X10057	MOTOR EVAPORATOR FAN	1
611	WR02X10762	BRACKET EVAP FAN MTG	1
613	WR60X10055	BLADE EVAP FAN ASM	1
614	WR02X10540	BUMPER LID	2
617	WR02X10098	GROMMET FAN	4
618	WR51X10038	HEATER DEF ASM	1
619	WR51X10046	CONDUCTOR HEAT	1
620	WR50X10025	THERMOSTAT DEF	1
621	WR02X10518	HOLDER ELEMENT	2

Note: The components shown in this drawing may differ from the components in your unit. Refer to the microfiche or GEA IPC for the component and part number for your unit.

622	WR17X10866	TROUGH DRAIN	1
623	WR02X10798	PLUG BUTTON WH	1
624	WR17X10855	HOUSING CONTROL REAR	1
626	WR23X0420	POWER CORD	1
628	WR01X5278	CLAMP CABLE	1
643	WR17X10906	TOWER TOP FZ	1
644	WB01T10017	SCR 8-18 AB IHW 3/8 S NS	2
645	WR17X10864	TOWER BOTTOM FZ	1
648	WR09X0502	CONTROL DEFROST	1
650	WR60X10044	MOTOR COND FAN	1
651	WR60X10030	BLADE COND FAN ASM	1
652	WR02X10323	RING COMPRESSION	1
653	WR02X10322	CAP DUST	2
676	WD02X5166	SCREW 10-16 AB HXW 1/2	5
684	WB01T10047	SCR 8-32 X .625 M HXW S	2
685	WR01X1804	SCR 8-18 AB HXW 1/2 WH	4
690	WZ5X158D	SCR 8-32 T HXW 3/8 S	2
691	WR01X2139	SCREW 12-24 .7 AD	6
692	WZ04X0416	SCREW 8-18 AB HXW 3/4	10
693	WR01X2137	SCREW 12-24 .9 AD	5
695	WR01X10218	SCR 12-24 TT BHT 20 .73S	6
696	WR02X10843	COVER SCREW	3
725	WR87X10034	COMPRESSOR REPL KIT	1
726	WR85X10024	LOW SIDE ASM	1
729	WR62X0079	CAPACITOR	1
730	WR84X10009	CONDENSER REPL ASM	1
733	WR07X10031	RELAY PTCR	1
734	WR02X10556	COVER RELAY SNAP (MEI)	1
735	WR08X0167	OVERLOAD	1
736	WR02X8583	CLIP COMP MTNG	4
737	WR02X7238	GROMMET COMP MTG	4
740	WR86X0096	DRYER BIFURCATED XH9	1
741	WR01X1779	STUD MTG COMPR	4
750	WR01X1786	SCREW 10-32 TR 1/2	4
751	WR17X10849	BASEPLATE HIGH SIDE	1
753	WR02X10100	BRACKET COND FAN	1
754	WR17X10847	BAFFLE COND LH	1
755	WR17X10848	BAFFLE COND RH	1
756	WR17X10854	HOUSING COND FAN	1
757	WR01X2035	FASTENER PUSH	1
758	WD2X323D	SCREW 8-32 X 3/8 SPH	4
760	WR14X10081	FOAM STRIP SE ADH	1
767	WR02X10712	CLIP COND (DL)	1
900	WR78X10421	DOOR FOAM ASM FZ AD	1
910	WR78X10420	DOOR FOAM ASM FF AD	1
921	WR02X10758	PLUG DOOR THIMBLE AD	2