

Dehumidifier SERVICE MANUAL

**MODELS:
DH30
DH40
DH50**



Friedrich®

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INTRODUCTION

This service manual was written to assist the professional service technician to quickly and accurately diagnose and repair any malfunctions of this product. This manual, therefore, will deal with all subjects in a general nature. (i.e. All text will pertain to all models).

IMPORTANT:

It will be necessary for you to accurately identify the Model you are servicing, so you can be certain of a proper diagnosis and repair. (See Unit Identification.)

WARNING

The information contained in this manual is intended for use by a qualified service technician who is familiar with the safety procedures required to repair, and who is equipped with the proper tools and test instruments.

Repairs made by unqualified persons can result in hazards subjecting them to the risk of injury or electrical shock which can be serious or even fatal not only to them, but also to anyone being served by the equipment.

If you perform service on equipment, you must assume responsibility for any bodily injury or property damage which may result to you or others. Friedrich Air Conditioning Company will not be responsible for any injury or property damage arising from improper service, and/or service procedures.

PREFACE

This Service Manual provides various service information, containing the mechanical and electrical parts etc. This dehumidifier was manufactured and assembled under the strict quality control system. The refrigerant is charged at the factory. Be sure to read the safety precaution prior to servicing the unit.

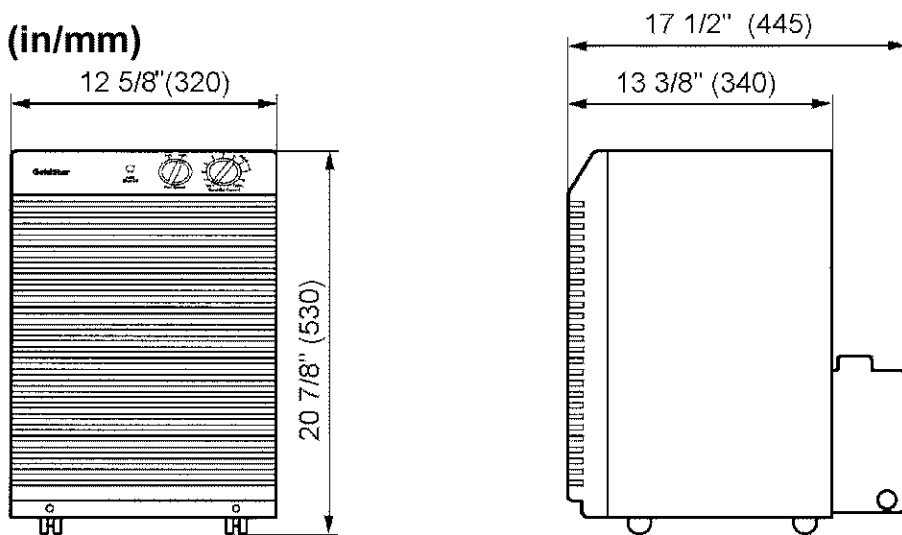
SAFETY PRECAUTIONS

- Disconnect the power supply before servicing or replacing any component.
- Do not cut off the grounding prong or alter the plug in any manner under any circumstances.

FEATURES

- Quiet
- High efficiency
- Adjustable humidistat
- Automatic defrost
- Automatic shut-off
- Bucket-full indicator light
- Easy roll casters
- Large capacity, removable bucket.
- Washable air filter
- 2 fan speeds
- Drain hose connection.

DIMENSIONS (in/mm)

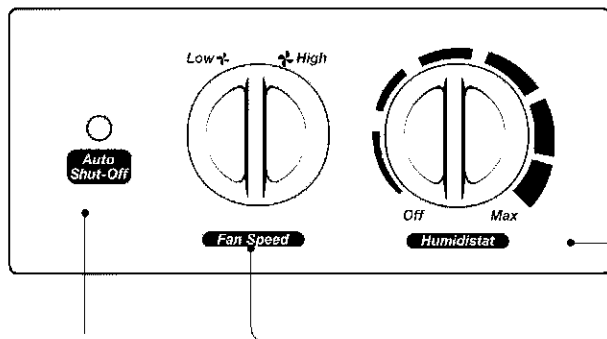


SPECIFICATIONS

ITEMS \ MODELS			DH3011B	DH4010E	DH5010E
CAPACITY (Pint/Day)			30	40	50
POWER SUPPLY (Phase, V, Hz)			1ø, 115V, 60Hz		
REFRIGERANT			R134a	R22	
REFRIGERANT CHARGE, oz(g)			4.76(135)	5.11(145)	7.05(200)
THERMISTOR			OPEN : 28.4°F(-2°C ±0.5) CLOSE : 53.6°F(12°C ±0.5)		
HUMIDITY SENSOR			CONTROL RANGE : 20% ~ 80% RH NORMAL SETTING : 40% RH		
P.T.C. ASSEMBLY	MAXIMUM	AMPERE	7A		
		VOLTAGE	300V		
PROTECTOR			• OVERLOAD PROTECTOR FOR COMPRESSOR		
			• INTERNAL PROTECTOR(FUSE) FOR MOTOR		
CAPACITOR			-	25µF, 270VAC	
SWITCH, ROTARY			6A/125VAC, 12A/250VAC		
MOTOR ASSEMBLY, SINGLE			Shaded pole motor, 65W/1A ↓ , Thermal cutoff : 266°F/130°C		
SWITCH ASSEMBLY, MICRO			16A/125VAC, 8A/250VAC		
OUTSIDE DIMENSIONS W x H x D,In. (mm)		WITHOUT BUCKET	12 5/8 x 20 7/8 x 13 3/8 (320 x 530 x 340)		
		WITH BUCKET	12 5/8 x 20 7/8 x 17 1/2 (320 x 530 x 445)		
NET WEIGHT, Lbs (Kg)			47 (21.5)	38 (17.2)	39 (17.7)

※ **NOTE : Specifications are subject to minor change without notice for further improvement.**

CONTROL



Auto Shut-Off

- Glows when the bucket is ready to be emptied, or when the bucket is removed or not replaced in the proper position.
- The Water Level Control Switch shuts the dehumidifier off when the bucket is full, removed, or not replaced in the proper position.

Humidity Control

- When first using the dehumidifier, we recommended that you run the unit with the humidistat control set to MAX for the first three or four days until excess moisture and dampness odors are gone. After that you can select the humidistat position that will best suit local conditions. The dehumidifier can control from 20% to 80% relative humidity. (See Figure 3.)

MAX is the highest setting.

- When excess moisture and dampness odors are gone, adjust the control to a lower setting. Use the dehumidifier as long as excess moisture is present.

Fan Speed

- The fan control adjusts the fan speed. Set the fan control to **HIGH** for maximum moisture removal. When the humidity has been reduced and quiet operation is preferred, set the fan control to **LOW**.

HOW TO OPERATE DEHUMIDIFIER

HOW DOES THE DEHUMIDIFIER WORK?

Moist, humid air is drawn over a cold refrigerated dehumidifying coil. Moisture in the air condenses on this coil and drains into a bucket (or through the bucket into a hose and drain).

Dry, clean air is drawn over the condenser where it is actually heated several degrees and discharged out the front grille into the room.

It is normal for the surrounding air to become slightly warmer as the dehumidifier operates.

This warming effect further reduces the relative humidity of the surrounding air.

LOCATION FOR THE DEHUMIDIFIER

Allow at least 12 inches of space on all sides of the unit for good air circulation.

The dehumidifier must be operated in an enclosed area to be most effective. Close all doors, windows and other outside openings to the room.

Place the dehumidifier in a location that does not restrict air flow into the rear coil or out the front grille.

A dehumidifier operating in a basement will have little or no effect in drying an adjacent enclosed storage area, such as a closet, unless there is adequate air circulation throughout of the area.

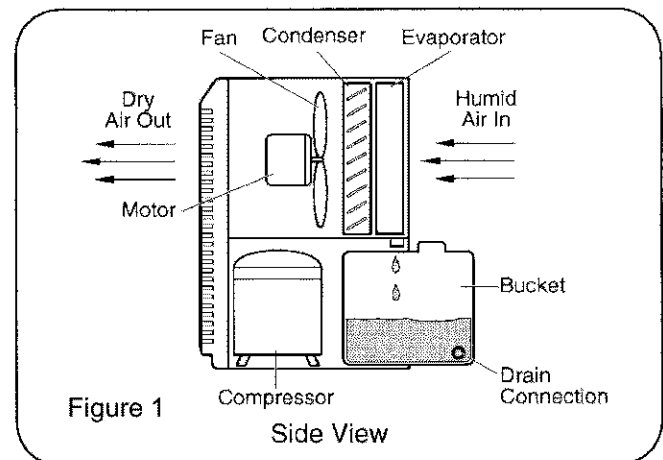


Figure 1

Side View

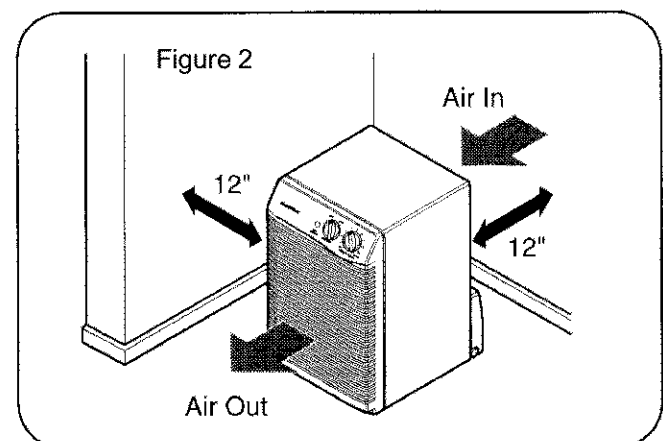


Figure 2

MICROSWITCH

The microswitch assembly, which is located on the barrier inside the unit, automatically turns the dehumidifier off when the bucket is full. (NOTE: the Auto Shut-Off light will illuminate to indicate the bucket should be emptied). When the bucket is reinstalled, the unit will resume dehumidification.

AUTO DEFROST

When frost builds up on the cooling coils, the compressor will cycle off until the frost melts. The fan will continue to run.

NOTE: This unit is designed to be operated at temperatures above 65°F (18°C). If the dehumidifier is operated in low temperature conditions where the temperature and humidity of the room are low, frost can form on the evaporator coil and cause the unit to short cycle.

HUMIDITY CONTROL

The humidistat automatically maintains the relative humidity in the room.

For MORE humidification, turn the dial towards MAX.

For LESS dehumidification, turn the dial towards OFF.

When the relative humidity in the room INCREASES to the selected level, the dehumidifier STARTS automatically. When the relative humidity DECREASES to the selected level, the dehumidifier will stop automatically.

NOTE: The relative humidity levels shown in Figure 3 are approximate values.

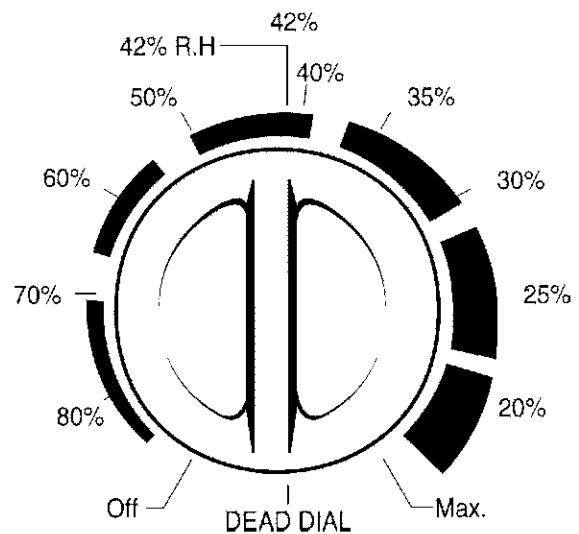


Figure 3

DRIER

A dryer is used to trap noncondensables in the sealed system.

NOTE: The drier must be replaced any time a sealed system repair is performed. The drier must be installed at the inlet of the capillary tubes.

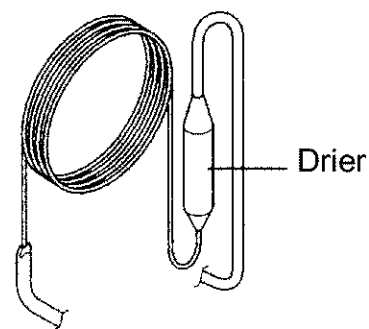


Figure 4

DISASSEMBLY INSTRUCTIONS

BUCKET AND AIR FILTER

1. Turn the Humidity Control off.
2. Disconnect the power supply.
3. Remove the bucket. (See Figure 5.)
4. Flex the filter at the lower right corner and take it off. (See Figure 5.)

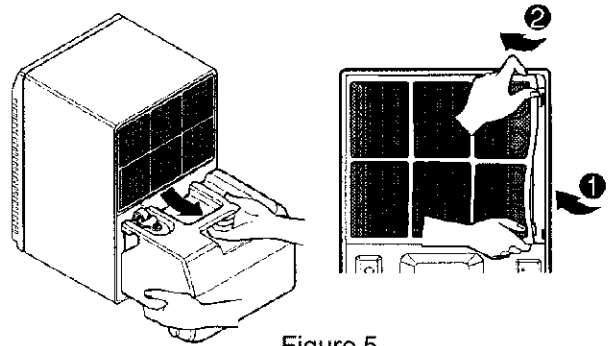


Figure 5

WARNING

Disconnect Power Supply

FRONT GRILLE

1. Remove the two screws at the bottom of the front grille.
2. While pressing in on both sides of front grille, pull the grille out from the bottom and upward. (See Figure 6.)

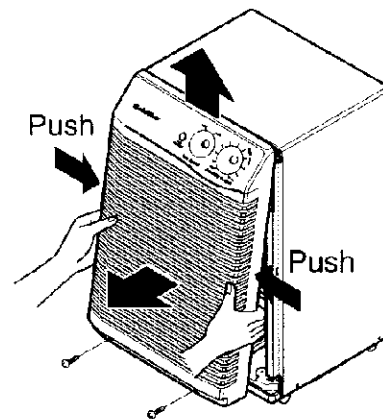


Figure 6

CABINET AND CONTROL BOX

1. Remove the bucket, air filter and front grille according to the procedure above.
2. Remove the two screws that hold Control box. (See Figure 7.)
3. Remove the nine screws shown in Figure 7.
4. Lift the Cabinet from the base. (See Figure 8.)
5. Remove the screw that connects the ground wire on the inside of control box.
6. Remove the screw that holds the control box, and unhook the control box from the shroud. (See Figure 8.)

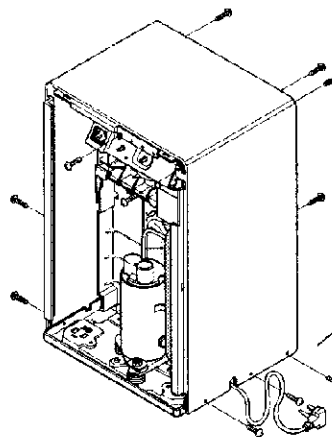


Figure 7

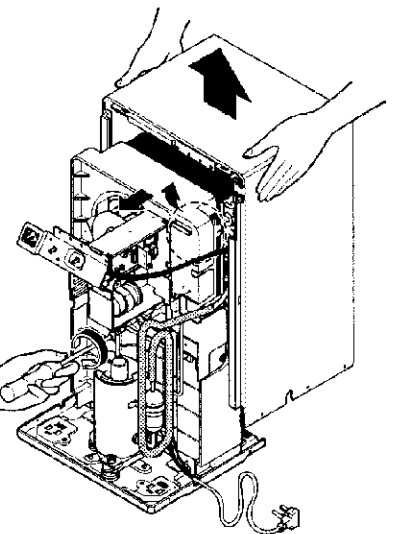


Figure 8

CONTROL PARTS

ROTARY, SWITCH / SWITCH ASSEMBLY, ROTARY / PWB (PCB) ASSEMBLY, DISPLAY / PWB (PCB), ASSEMBLY, MAIN

1. Remove the screw in the front and upper side of the control box and then unfold the two sides of the control box.
2. Disconnect the housing and all the leads to the rotary switch, switch assembly rotary and PWB (PCB) assembly, DISPLAY from PWB (PCB) ASSEMBLY, MAIN.
3. Remove the two screws which hold the rotary switch.
4. Remove the nut which fastens the switch assembly, rotary.
5. Pull the PWB (PCB) ASSEMBLY, DISPLAY out.
6. Remove the screw which fastens the PWB (PCB) ASSEMBLY, and pull it out from the two rectangular holes in control box.

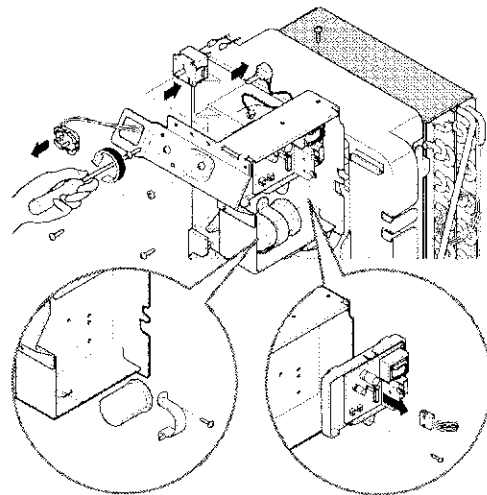


Figure 9

CAPACITOR

1. Remove the screw that fastens capacitor. (See Figure 9.)
2. Disconnect all leads from capacitor then remove them from the control box.

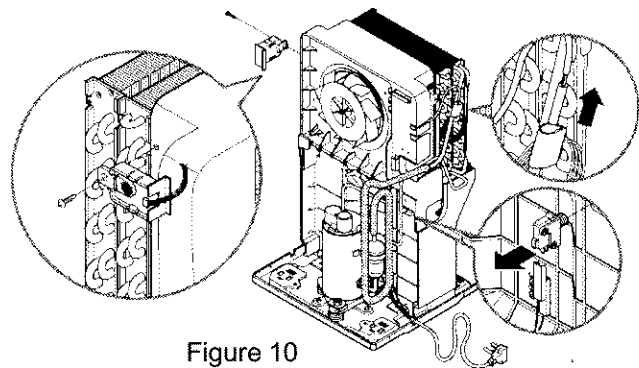


Figure 10

SENSOR ASSEMBLY

1. Disconnect the sensor housing assembly. (See Figure 9.)
2. Remove the screw which fastens the humidity sensor. (See Figure 10.)

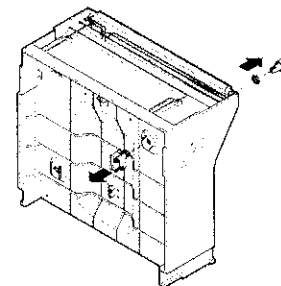


Figure 11

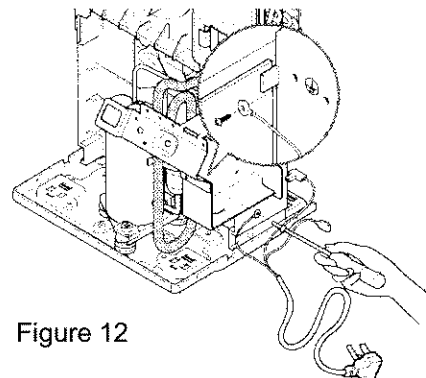


Figure 12

FAN AND MOTOR

1. Remove the fan mounting nut and remove the fan.
2. Remove the two screws (upper left and right) that fasten the condenser.
3. Carefully lift the condenser coil and rotate it about 45 degree clockwise. (See Figure 13.)
4. Remove the three screws that secure the fan motor and ground wire. (See Figure 14)
5. Remove the motor.

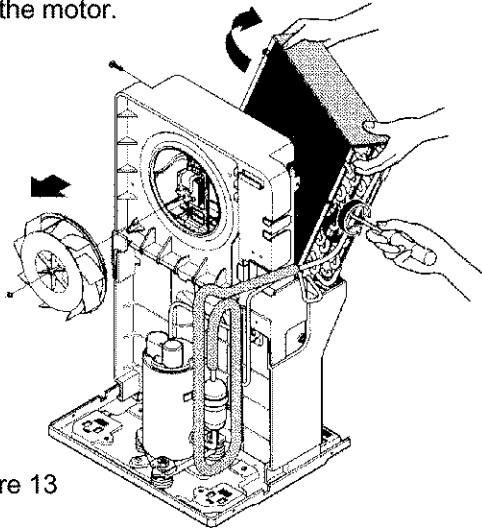


Figure 13

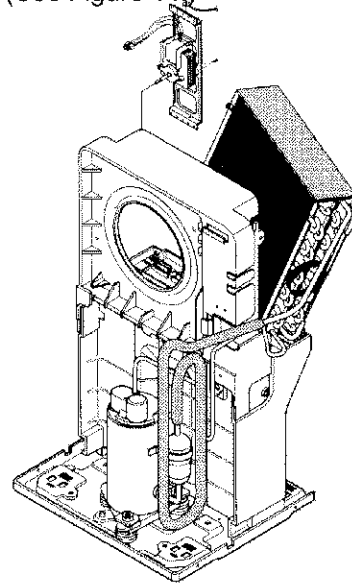


Figure 14

SHROUD AND BARRIER

1. Recover the refrigerant from the system using approved EPA equipment and procedures.
2. Unbraid the discharge and suction tubes connected compressor.
3. Remove the two screws that fasten the condenser.
4. Remove the three screws that secure the shroud on the back and sides, and move the shroud upward from the barrier.
5. Remove the two screws that secure the barrier to the base pan.
6. Pull the barrier backward then remove it from the base.

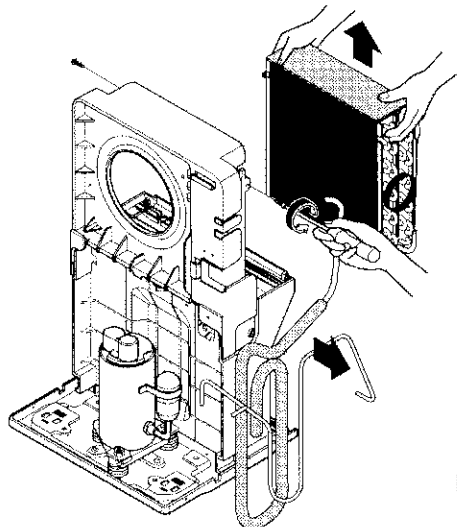
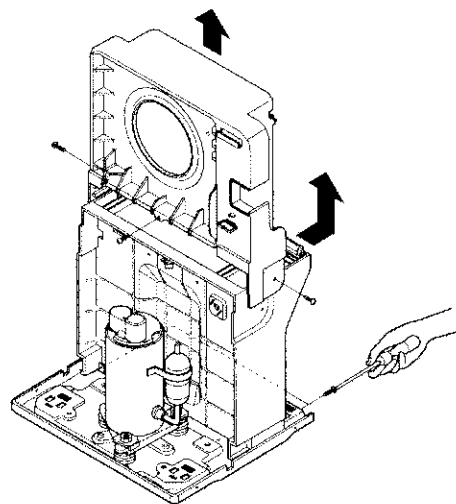


Figure 15



REMOVING THE CONDENSER, EVAPORATOR AND CAPILLARY TUBE (HEAT EXCHANGE ASSEMBLY)

1. Remove the insulation on the condenser assembly.
2. Pierce the pinch-off tube to recover the refrigerant according to EPA requirements.
3. After recovering the refrigerant completely, remove the two screws between the shroud and condenser. (See Figure 16.)
4. Lift and turn the condenser 45 degree clockwise.
5. Unbrazed the two tubes of the evaporator and condenser.
6. Remove the condenser from the shroud. (See Figure 17.)
7. Unbrazed the capillary tube at both condenser and evaporator. (See Figure 18.)
8. Remove the four screws between the condenser and evaporator. (See Figure 18.)

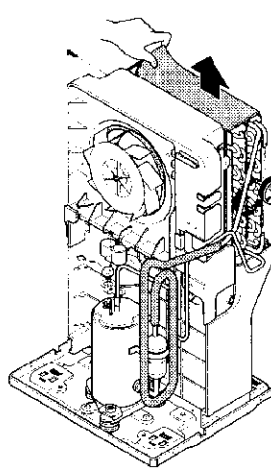


Figure 16

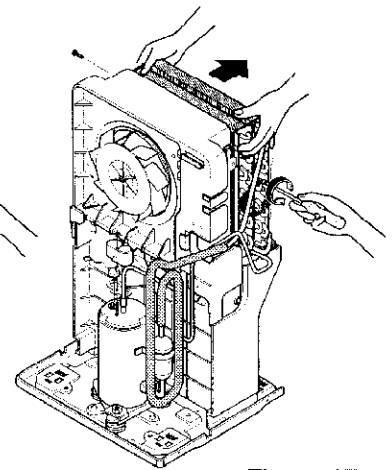


Figure 17

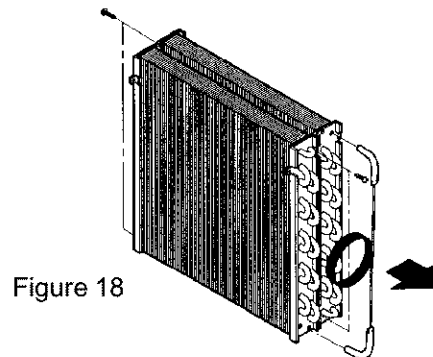


Figure 18

P.T.C. OR OVERLOAD PROTECTOR (O.L.P.) FOR RECIPROCATING COMPRESSOR

1. Remove the cabinet.
2. Remove the screw which fastens the terminal cover.
3. Disconnect the lead wire from the overload protector or P.T.C. assembly.
4. Remove the overload protector (O.L.P) or P.T.C. assembly. (See Figure 19.)

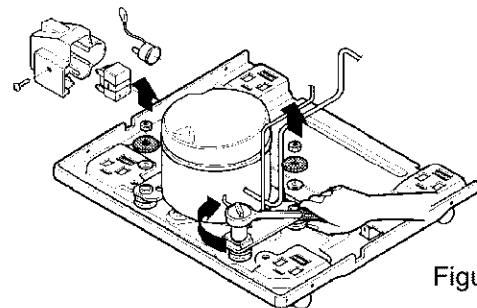


Figure 19

Reciprocating Compressor Models

ROTARY COMPRESSOR

1. Remove the cabinet. (See Page 10).
2. Remove the refrigerant by using a refrigerant Recovery System.
3. Unbrazed the suction and discharge tubes at the compressor connections.
4. Remove the compressor mounting bolts. (See Figure 20.)
5. Remove the compressor. (See Figure 20.)

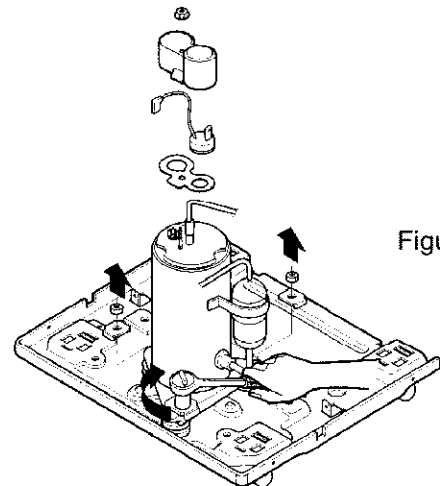


Figure 20

Rotary Compressor Models

HOW TO REPLACE THE REFRIGERATION SYSTEM

1. Recover the refrigerant in accordance with EPA requirements.
2. Remove the desired component, and unbrazed the pinch-off tubes.
3. Solder the service valves onto the pinch-off tube ports, leaving the valves open.
4. Solder the pinch-off tubes to the service valves.
5. The valve must be closed and left in place for any subsequent procedures.
6. Evacuate as follows.
 - 1) Connect the vacuum pump, as illustrated in Figure 21A.
 - 2) Start the vacuum pump, slowly open manifold valves A and B two full turns counterclockwise, and leave the valves open. The vacuum pump is now pulling through valves A and B up to valve C by means of the manifold and entire system.

WARNING

To keep the oil from foaming and being drawn into the vacuum pump, just crack valves A and B for a few minutes, then slowly open two full turns counterclockwise.

- 3) Operate the vacuum pump until 600 microns of vacuum is obtained (20 to 30 minutes). Close valves A and B, and observe the vacuum gauge for a few minutes. A rise in pressure indicates a possible leak, or moisture remaining in the system. With valves A and B closed, stop the vacuum pump.
- 4) Remove the hose from the vacuum pump and place it on the charging cylinder. (See Figure 21B.) Open valve C. Discharge the line at the manifold connection.
- 5) The system is now ready for final charging.

*** CAUTION: Check the refrigerant type before charging the system.**

7. Recharge as follows :
 - 1) Sealed systems are charged from the high-side. If the total charge cannot be put in the high-side, the balance should be introduced through the suction line access valve which you installed as the system was opened.
 - 2) Connect the charging cylinder as shown in Figure 21B. With valve C open, disconnect the hose at the manifold connection.
 - 3) Open valve A and allow the proper charge to enter the system. Valve B should remain closed.
 - 4) If more charge is required and the high-side will not take it. Close valve A.
 - 5) With the unit running, open valve B and add the balance of the charge.
 - a. Do not add the liquid refrigerant to the low-side.
 - b. Watch the low-side gauge; allow pressure to rise to 30 lbs.
 - c. Turn off valve B and allow pressure to drop.
 - d. Repeat steps B and C until the balance of the charge is in the system.
 - 6) When satisfied that the unit is operating correctly, use the pinch-off tool with the unit still running and clamp on the pinch-off tube. Using a tube cutter, cut the pinch-off tube about two inches from the pinch-off tool. Use sil-fos solder, and solder the pinch-off tube closed. Turn the unit off and allow it to set for a while, and then test for leakage.

Equipment needed: Vacuum pump, charging cylinder, manifold gauge, brazing equipment; pinch-off tool capable of making a vapor-proof seal, leak detector, tubing cutter; hand tools to remove components, and service valve.

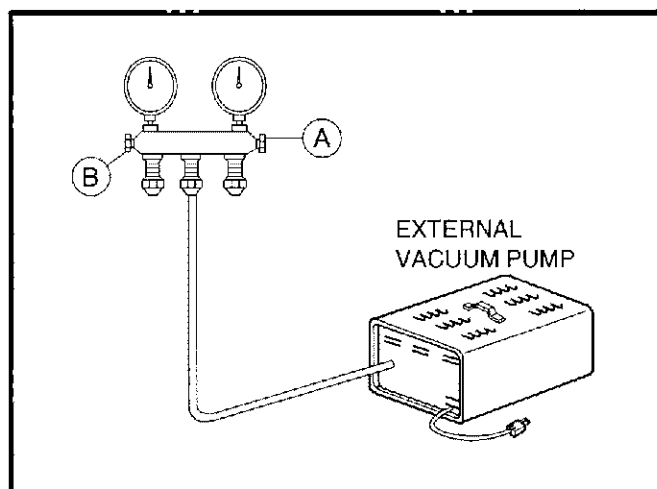
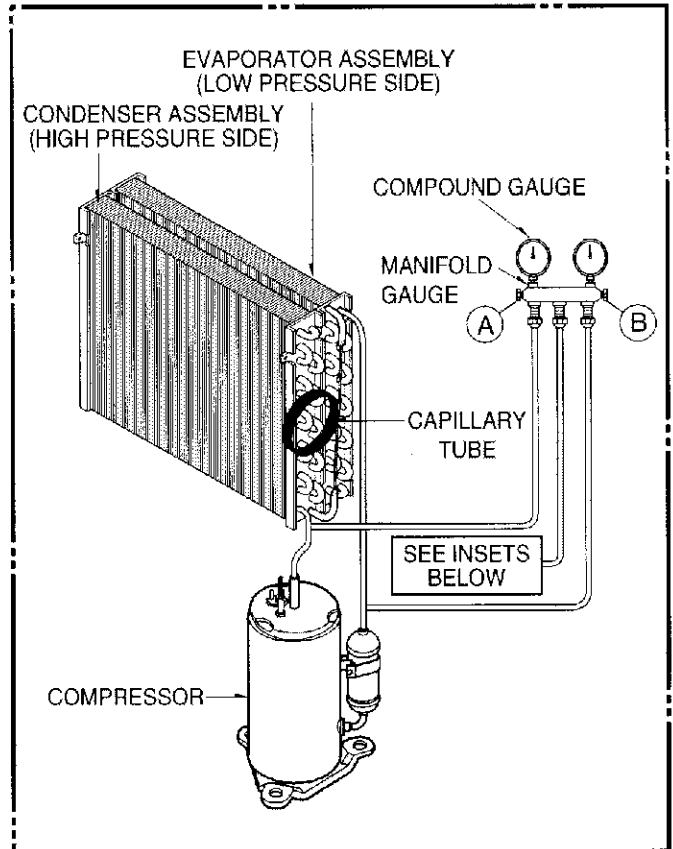
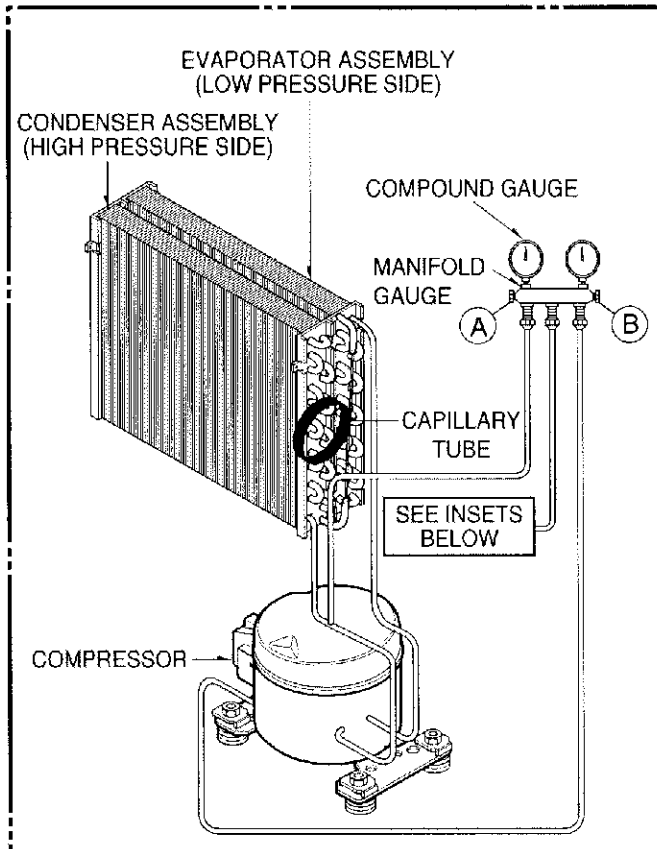


Figure 21A – Pulling Vacuum

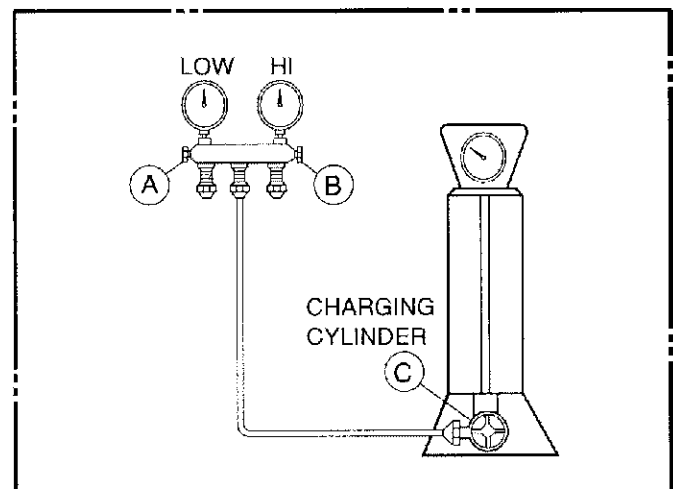
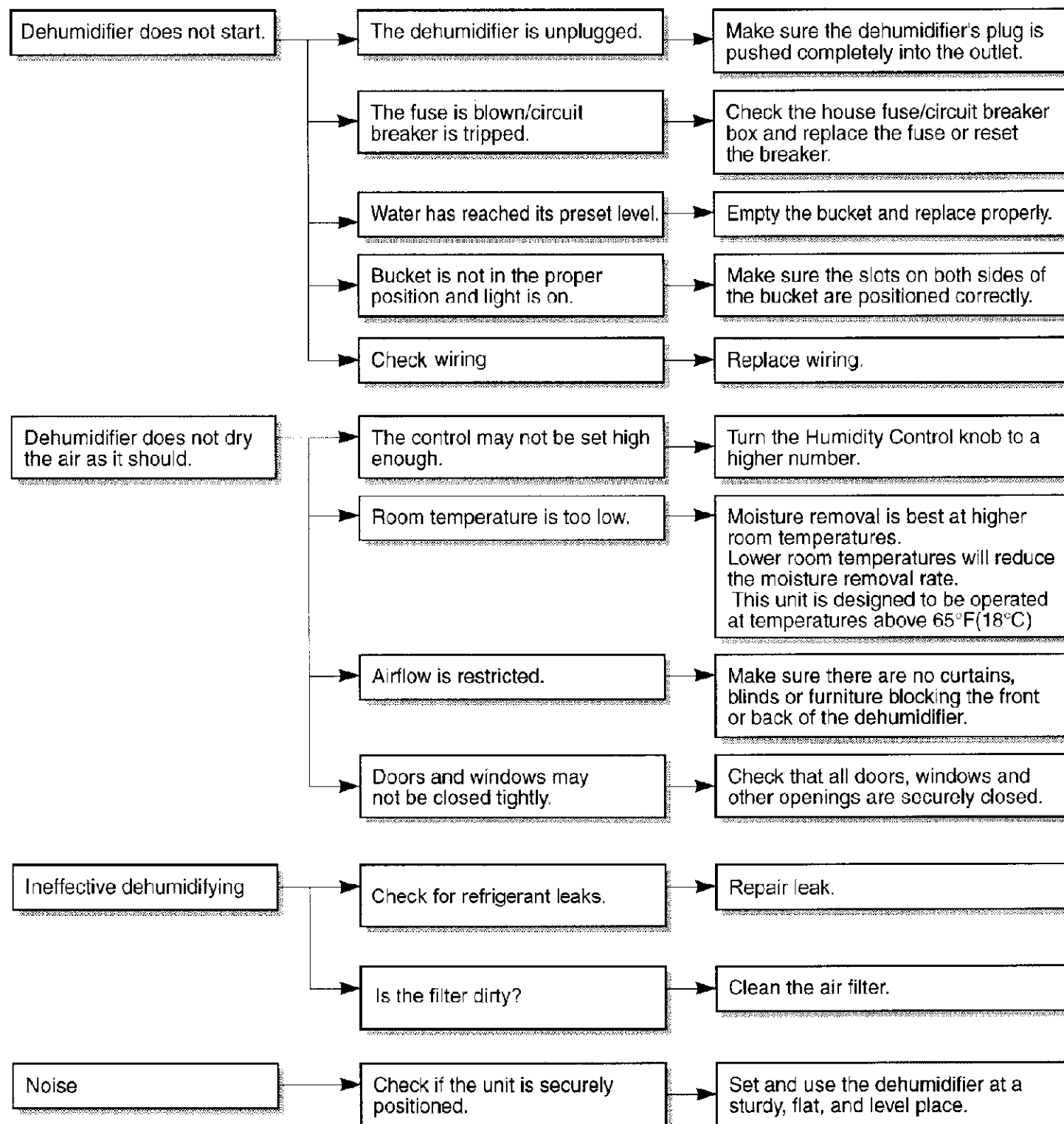


Figure 22B – Charging

TROUBLESHOOTING GUIDE.

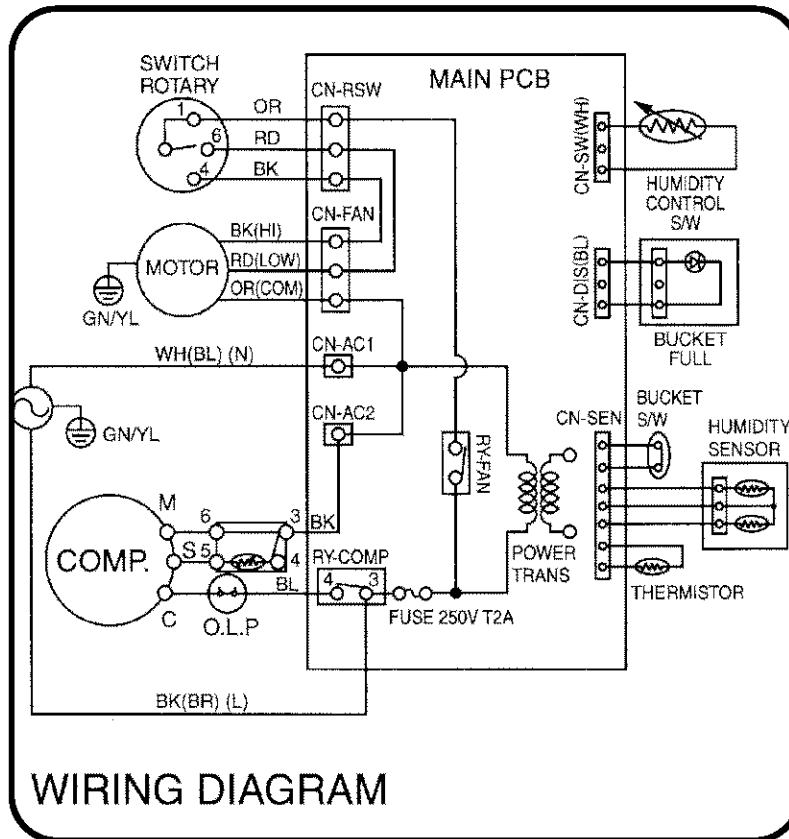


CONDITION	CAUSE	REMEDY
1. Dehumidifier does not start. (Both compressor and fan motor do not operate.)	No power	Check power supply at outlet. Correct if none.
	Poor plug contact at outlet.	Install plug properly or replace it.
	Bucket is full.	If Auto Shut Off lights, empty the bucket and replace properly.
	Humidity control is at Off position	Turn the humidity control switch toward Max.
	Wire disconnect or loose	Connect wire. Refer to wiring diagram for terminal identification. Repair or replace loose terminal.
	Capacitor. (Discharge capacitor before testing.)	Test capacitor. Replace if not within $\pm 10\%$ of manufacturer's rating. Replace if shorted, open, or damaged.
2. Motor runs but compressor does not run.	Voltage ($115V \pm 10\%$)	It must be between 103.5V and 126.5V. If not within limits, call an electrician
	Wiring	Check the wire connections; If loose, repair or replace the terminal. If the wires are disconnected, refer to wiring diagram for identification, and replace the wires. Check the wire connections; If not according to the wiring diagram, correct the connections.
	Rotary switch	Check for continuity, refer to the wiring diagram for terminal identification. Replace the switch if the circuit is open.
	Defrost control	The Defrost Control senses frost build-up on the evaporator coil and automatically shuts off the compressor. The fan continues to run, drawing air across the coil, and melting the frost. When the coil is defrosted, the compressor automatically restarts, and dehumidifying resumes.
	Capacitor (Discharge capacitor before servicing.)	Check the capacitor. Replace if not within $\pm 10\%$ of manufacturer's rating. Replace if shorted, open, or damaged.
	Compressor	Check the compressor for open circuit or ground. If open or grounded, replace the compressor.
	Overload protector (O.L.P.)	Check the compressor O.L.P. if externally mounted. Replace if open. (If the compressor temperature is high, remove O.L.P., cool, and retest.)
3. Does not defrost control.	Defrost control is defective.	Check defrost control, replace it.
4. Insufficient dehumidification	Low relative humidity	Turn dehumidifier off.
	Poor air circulation	Move dehumidifier to obtain free and unobstructed air circulation.
	Coils clogged with dust and dirt.	Clean evaporator and/or condenser assembly
	Air filter is dirty.	Clean it.
	Motor is not operating.	Check Motor, repair or replace it.

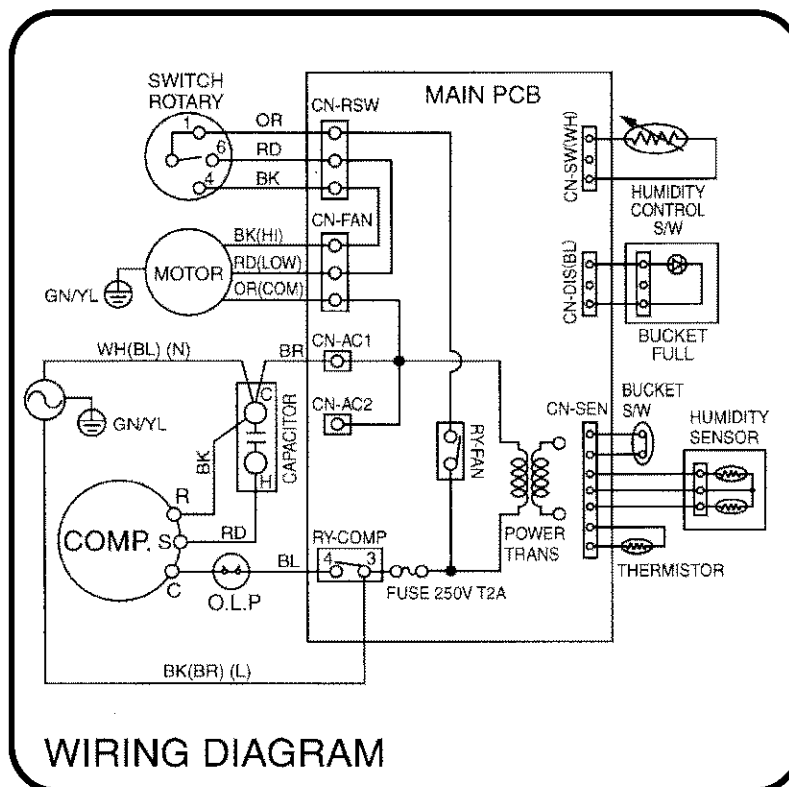
CONDITION	CAUSE	REMEDY
5. Noisy operating	Fan	If cracked, out of balance, or partially missing, replace it
	Tube hits frame.	Adjust tubing routine carefully.
	Fan blade hits frame	Check Motor Mount. If loose, tighten it.
	Internal compressor noise.	Replace compressor.
	Loose set screws	Tighten them.
	Worn bearings of Motor Assembly	If knocking sounds continue when running or loose, replace the motor. If the motor hums or noise appears to be internal while running, replace motor assembly.
6. Water drips	The bucket is not installed properly.	The bucket should be properly positioned on the hangers of the drain pan.
	Connection may be loose.	Check connection and repair.
	Leak in bucket	Replace bucket.
	Water drips when bucket removed for emptying.	Before removing bucket, the unit should be turned off.
	Bucket overflows.	Check micro switch and float.
7. Compressor cycles on overload protector. (O.L.P.)	High or low line voltage. (115V \pm 10%)	Check line voltage. It must be between 103.5V and 126.5V volts. If intermittent, provide new supply.
	Poor air circulation.	Move dehumidifier for free and unobstructed air flow.
	Coils clogged with dust and dirt.	Clean the coils.
	Motor	If not running, determine the cause. Replace if required.
	Bad P.T.C. assembly (if assembled)	Check P.T.C., Repair.
	Short circuit or ground in electrical circuit	Check electrical circuit. Repair.
	Unit pressures not equalized	Allow 3 to 5 minutes for pressure to equalize before starting the compressor.
	Capacitor	Test the capacitor.
	Wiring	Check the terminals. If loose, repair or replace.
	Refrigeration system	Check the system for a restriction.
	Stuck compressor	Check compressor, replace compressor
	Overload protector (O.L.P.)	Check O.L.P., if externally mounted. Replace if open. (If the compressor temperature is high, remove the O.L.P., cool, and retest.)

CIRCUIT DIAGRAM

• MODEL: DH30



• MODEL: DH40/DH50



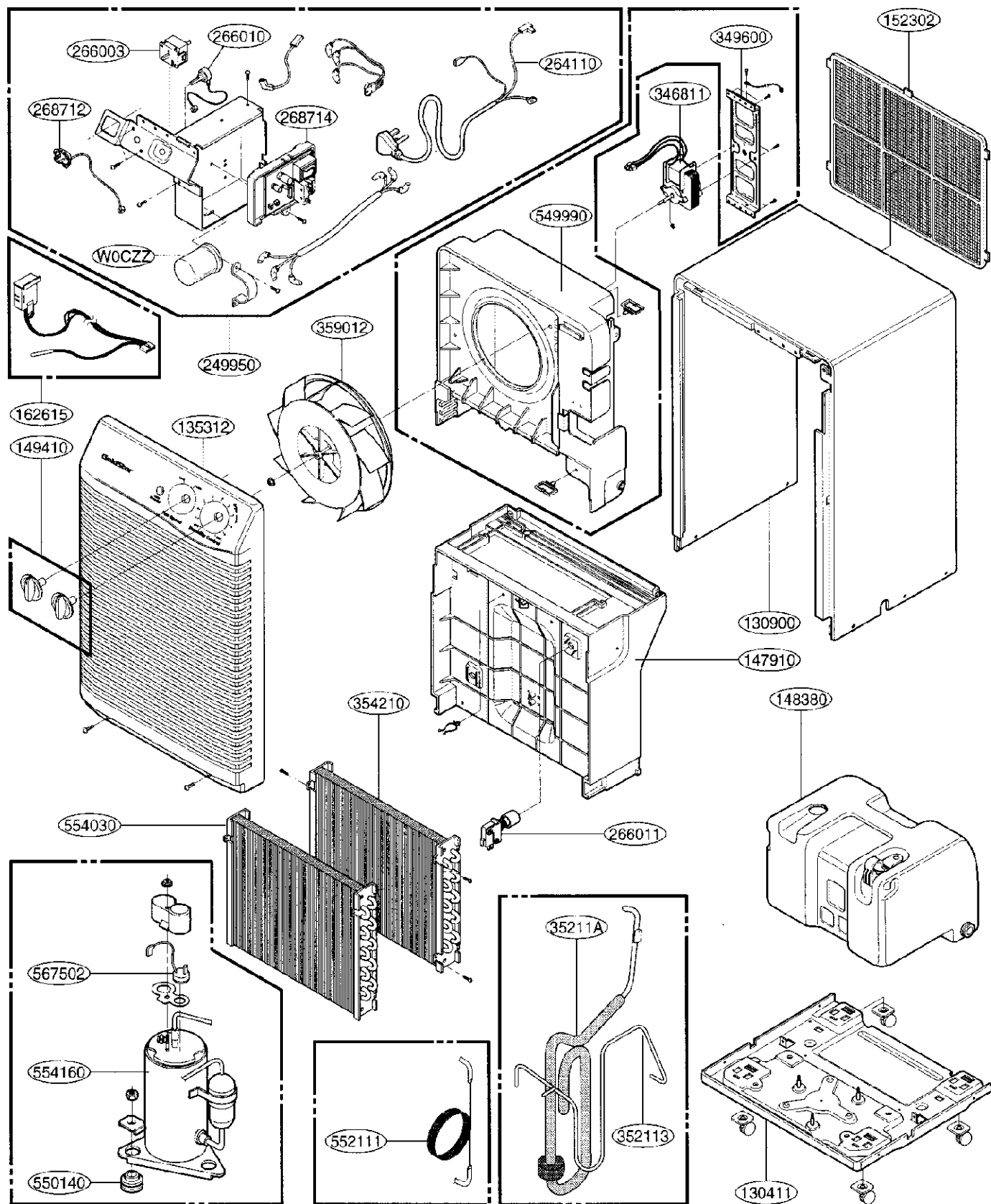
• **MODEL: DH30**



This exploded view diagram illustrates the assembly of a refrigerator, showing the main body, door, and internal components. The diagram includes the following numbered parts:

- 266003**: Small electronic component.
- 266010**: Cable or hose.
- 268712**: Small electronic component.
- 268714**: Small electronic component.
- 264110**: Cable or hose.
- 349600**: Small electronic component.
- 346811**: Small electronic component.
- 152302**: Filter or mesh screen.
- WOCZZ**: Small electronic component.
- 249950**: Small electronic component.
- 359012**: Fan or motor.
- 549990**: Small electronic component.
- 130900**: Main refrigerator body.
- 147910**: Main refrigerator body.
- 148380**: Main refrigerator body.
- 162615**: Main refrigerator body.
- 149410**: Main refrigerator body.
- 135312**: Main refrigerator body.
- 354210**: Main refrigerator body.
- 266011**: Small electronic component.
- 554030**: Main refrigerator body.
- 587502**: Main refrigerator body.
- 554160**: Main refrigerator body.
- 550140**: Main refrigerator body.
- 35211A**: Main refrigerator body.
- 352113**: Main refrigerator body.
- 552111**: Main refrigerator body.
- 130411**: Main refrigerator body.

• MODEL: DH50



6. REPLACEMENT PARTS LIST

• MODEL: DH30

LOCATION NO.	DESCRIPTION	FRIEDRICH PART NO.	REMARK
130411	BASE ASSEMBLY, WELD (SINGLE)	67400104	
130900	CABINET	67400105	
135312	GRILLE ASSEMBLY, FRONT	67400106	
147910	BARRIER ASSEMBLY	67400108	
148380	TANK, BUCKET	67400110	
149410	KNOB ASSEMBLY	67400111	
152302	FILTER (MECH), AIR	67400126	
162615	SENSOR ASSEMBLY	67400143	
249950	CONTROL BOX ASSEMBLY	67400113	
264110	POWER CORD ASSEMBLY	67400134	
266003	SWITCH, ROTARY	67400135	
266010	SWITCH ASSEMBLY, ROTARY	67400137	
266011	SWITCH ASSEMBLY, MICRO	67400136	
268712	PWB (PCB) ASSEMBLY, DISPLAY	67400142	
268714	PWB (PCB) ASSEMBLY, MAIN	67400141	
346811	MOTOR ASSEMBLY, SINGLE	67400107	
35211A	IA TUBE ASSEMBLY, SUCTION SIDE	67400125	
352113	TUBE ASSEMBLY, DISCHARGE SINGLE	67400124	
354210	EVAPORATOR ASSEMBLY	67400131	
549990	SHROUD ASSEMBLY	67400115	
550140	ISOLATOR	67301900	
552111	TUBE ASSEMBLY, CAPILLARY	67400117	
554030	CONDENSER ASSEMBLY	67400128	
554160	COMPRESSOR, SET 2521 C-A8605 ALT)	67400102	
359012	FAN, TURBO	67400133	
567502	O.L.P 6750C-0002S ALT)	67400139	
349600	MOTOR MOUNT	67400112	
667482	P.T.C	67400138	

• **MODEL: DH40**

LOCATION NO.	DESCRIPTION	FRIEDRICH PART NO.	REMARK
130411	BASE ASSEMBLY, WELD (SINGLE)	67400104	
130900	CABINET	67400105	
135312	GRILLE ASSEMBLY, FRONT	67400106	
147910	BARRIER ASSEMBLY	67400108	
148380	TANK, BUCKET	67400110	
149410	KNOB ASSEMBLY	67400111	
152302	FILTER (MECH), AIR	67400126	
162615	SENSOR ASSEMBLY	67400143	
249950	CONTROL BOX ASSEMBLY	67400113	
264110	POWER CORD ASSEMBLY	67400134	
266003	SWITCH, ROTARY	67400135	
266010	SWITCH ASSEMBLY, ROTARY	67400137	
266011	SWITCH ASSEMBLY, MICRO	67400136	
268712	PWB (PCB) ASSEMBLY, DISPLAY	67400142	
268714	PWB (PCB) ASSEMBLY, MAIN	67400141	
346811	MOTOR ASSEMBLY, SINGLE	67400107	
35211A	TUBE ASSEMBLY, SUCTION SINGLE	67400125	
352113	TUBE ASSEMBLY, DISCHARGE SINGLE	67400124	
354210	EVAPORATOR ASSEMBLY	67400131	
549990	SHROUD ASSEMBLY	67400115	
550140	ISOLATOR	67301900	
552111	CAPILLARY TUBE ASSEMBLY	67400117	
554030	CONDENSER ASSEMBLY	67400128	
554160	COMPRESSOR, SET 2521 C-A8605 ALT)	67400102	
359012	TURBO FAN	67400133	
567502	O.L.P 6750 (C-0002S ALT)	67400139	
349600	MOTOR MOUNT	67400112	
667482	P.T.C.	67400138	

• **MODEL: DH50.**

LOCATION NO.	DESCRIPTION	FRIEDRICH PART NO.	REMARK
130411	BASE ASSEMBLY, WELD (SINGLE)	67400103	
130900	CABINET	67400105	
135312	FRONT GRILLE ASSEMBLY	67400106	
147910	BARRIER ASSEMBLY	67400108	
148380	TANK, BUCKET	67400110	
149410	KNOB ASSEMBLY	67400111	
152302	AIR FILTER (MECH)	67400126	
162615	SENSOR ASSEMBLY	67400143	
WOCZZ	CAPACITOR	67400100	
249950	CONTROL BOX ASSEMBLY	67400114	
264110	POWER CORD ASSEMBLY	67400134	
266003	ROTARY SWITCH	67400135	
266010	ROTARY SWITCH ASSEMBLY	67400137	
266011	MICROSWITCH ASSEMBLY	67400136	
268712	DISPLAY PWB (PCB) ASSEMBLY	67400142	
268714	MAIN PWB (PCB) ASSEMBLY	67400141	
346811	SINGLE MOTOR ASSEMBLY,	67400107	
35211A	SUCTION TUBE ASSEMBLY, SINGLE	67400122	
352113	DISCHARGE TUBE ASSEMBLY, SINGLE	67400123	
354210	EVAPORATOR ASSEMBLY	67400132	
549990	SHROUD ASSEMBLY	67400115	
550140	BUSHING	67400109	
552111	CAPILLARY TUBE ASSEMBLY,	67400119	
554030	CONDENSER ASSEMBLY	67400129	
554160	COMPRESSOR, SET	67400101	
359012	FAN, TURBO	67400133	
567502	O.L.P	67400140	
349600	MOTOR MOUNT	67400112	

Use Factory Certified Parts . . .

The logo for Friedrich Air Conditioning Co. features the word "Friedrich" in a bold, white, serif font, with a registered trademark symbol (®) to the upper right of the letter "h". The text is set against a solid black rectangular background.

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