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Dehumidifier

SERVICE MANUAL

MODEL: DH2510A
DH4010A
DH5010A

CAUTION

- BEFORE SERVICING THE UNIT,
  READ THE SAFETY PRECAUTIONS IN THIS MANUAL.

- ONLY FOR AUTHORIZED SERVICE.

CONTENTS

1. 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.

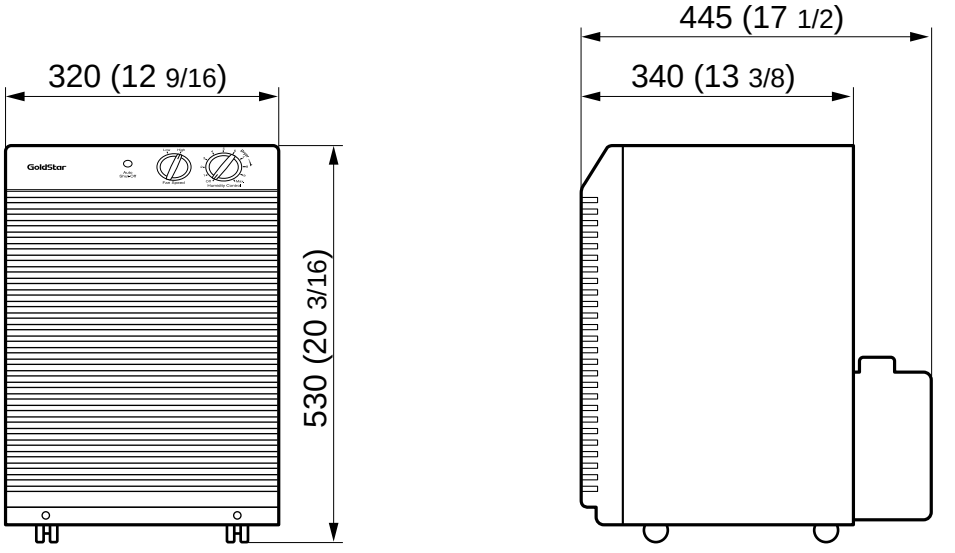
1.1 SAFETY PRECAUTIONS

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

1.2 FEATURES

- High efficiency
- Quiet
- Adjustable humidistat
- Automatic defrost
- Automatic shut-off
- Water-full indicator light
- Adjustable water level
- Easy roll casters
- Removable & large capacity bucket, direct hose connectable
- Washable air filter
- Fan speed: High/Low 2 fan speeds
- Drain hose connection.

1.3 DIMENSIONS (mm/in)

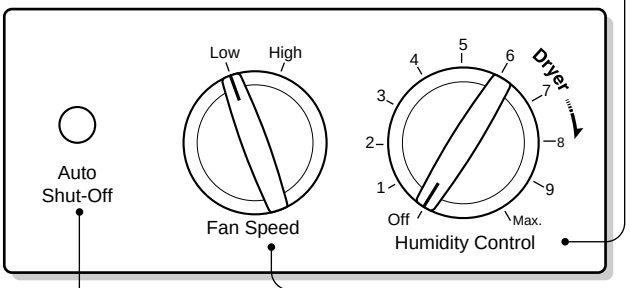


1.4 SPECIFICATIONS

<table>
<tr><th colspan="3">MODELS / ITEMS</th><th>DH2510A</th><th>DH4010A</th><th>DH5010A</th></tr>
<tr><td colspan="3">CAPACITY (Pint/Day)</td><td>25</td><td>40</td><td>50</td></tr>
<tr><td colspan="3">POWER SUPPLY (Phase, V, Hz)</td><td colspan="3">1ø, 115V, 60Hz</td></tr>
<tr><td colspan="3">REFRIGERANT</td><td>R134a</td><td colspan="2">R22</td></tr>
<tr><td colspan="3">REFRIGERANT CHARGE, oz(g)</td><td>4.4(125)</td><td>5.1(145)</td><td>7.2(204)</td></tr>
<tr><td colspan="3">CONTROL, DEFROST</td><td colspan="3">OPEN : 35.6˚F(3˚C $^{+3}_{-3}$)
CLOSE : 53.6˚F(13˚C $^{+3}_{-3}$)</td></tr>
<tr><td colspan="3">HUMIDISTAT</td><td colspan="3">CONTROL RANGE : 20% ~ 80% RH
NORMAL SETTING : 42 ± 5% RH</td></tr>
<tr><td colspan="3">COMPRESSOR MODEL NO.</td><td>LX72HACG</td><td colspan="2">QA082CH11A</td></tr>
<tr><td rowspan="4">P.T.C. ASSEMBLY</td><td colspan="2">TYPE</td><td>P220MC</td><td rowspan="4" colspan="2">-</td></tr>
<tr><td colspan="2">TIME</td><td>WORKING TIME: 0.2 ~ 0.7 sec.
RETURN TIME: 60 sec.</td></tr>
<tr><td rowspan="2">MAXIMUM</td><td>AMPERE</td><td>7A</td></tr>
<tr><td>VOLTAGE</td><td>300V</td></tr>
<tr><td colspan="3" rowspan="2">PROTECTOR</td><td colspan="3">• OVERLOAD PROTECTOR FOR COMPRESSOR</td></tr>
<tr><td colspan="3">• INTERNAL PROTECTOR FOR MOTOR ASSEMBLY, SINGLE</td></tr>
<tr><td colspan="3">CAPACITOR</td><td>-</td><td colspan="2">25µF, 350/370VAC</td></tr>
<tr><td colspan="3">SWITCH, ROTARY</td><td colspan="3">20A, 125/250VAC</td></tr>
<tr><td colspan="3">MOTOR ASSEMBLY, SINGLE</td><td colspan="3">4P, less than 45W, less than 0.4A, T.P: 17AM0335-4(266°F/130°C)</td></tr>
<tr><td colspan="3">SWITCH ASSEMBLY, MICRO</td><td colspan="3">16A, 125/250VAC</td></tr>
<tr><td rowspan="2">OUTSIDE DIMENSIONS W x H x D, mm(in)</td><td colspan="2">WITHOUT BUCKET</td><td colspan="3">320 x 530 x 340 (12 9/16 x 20 13/16 x 13 3/8)</td></tr>
<tr><td colspan="2">WITH BUCKET</td><td colspan="3">320 x 530 x 445 (12 9/16 x 20 13/16 x 17 1/2)</td></tr>
<tr><td colspan="3">NET WEIGHT, kg(lbs)</td><td>22.5 (49.6)</td><td>18.5(40.7)</td><td>20(44.1)</td></tr>
</table>

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

1.5 CONTROL



Humidity Control

- The Humidity Control can be set anywhere between Off and Max for normal operation. If you need more dehumidification, turn the Humidity Control toward Max. If you need less dehumidification, turn the Humidity Control toward Off.
- Turn the Humidity Control to Off to stop the unit manually.

Fan Speed

- If you want to control the speed of air flow, turn the Fan Speed toward Low or High.

Auto Shut-Off

LAMP ON : Bucket is full.
LAMP OFF : Bucket isn't full.

- When the bucket is full, operation automatically shuts down and a lamp also lights.

1.6 HOW TO OPERATE DEHUMIDIFIER

1.6.1 HOW DOES THE DEHUMIDIFIER WORK?

The dehumidifier, as shown in Figure 1, consists of a small refrigerant system and a fan. The fan pulls humid air from the room, across the cold evaporator coil where the water drips off into a bucket or drain hose.

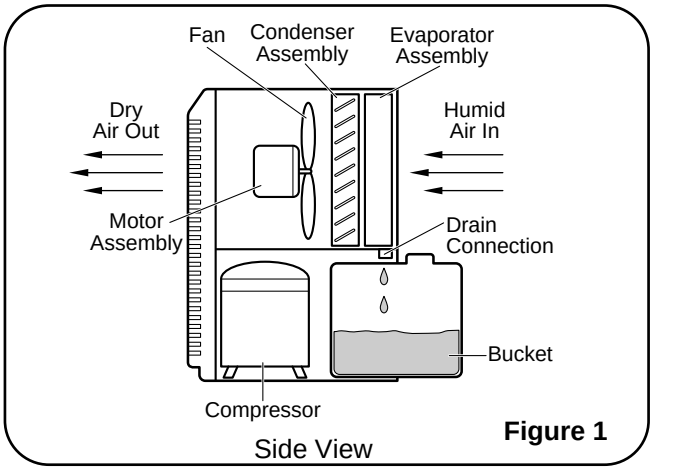


Figure 1

1.6.2 LOCATION FOR THE DEHUMIDIFIER

1. In order for the unit to operate effectively, all doors, windows and other openings should be closed. Moisture-laden outdoor air will only add to the dehumidifier's operating load.
2. Allow at least 12 inches of space on all sides of the unit for good air circulation.
3. Install your dehumidifier on a floor, table, or shelf. When installing the dehumidifier on a table or shelf, make sure the table or shelf is strong enough to support the weight of the dehumidifier with a full bucket. Do not sit or stand on the dehumidifier.

NOTE: The height of a table or shelf might provide a better position from which to handle the bucket and help prevent icing of the coils due to colder air near the floor (such as in a basement).

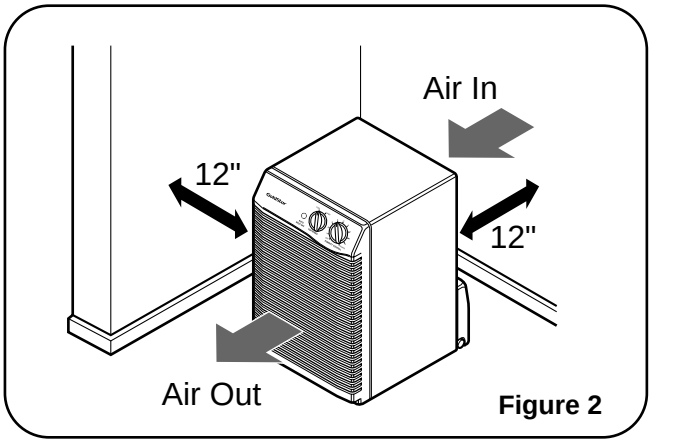


Figure 2

1.6.3 SWITCH ASSEMBLY, MICRO

The micro switch assembly, which is located on the back of the unit, automatically shuts off the dehumidifier when the bucket is full (note, the Auto Shut Off lights, to indicate bucket must be emptied). Once the bucket has been emptied and replaced, the unit once again turns itself on.

NOTE: Before removing the bucket, turn the Humidity Control to Off.

1.6.4 CONTROL, DEFROST

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.

NOTE: Do not operate the dehumidifier at temperature below 65˚F(18˚C). If your dehumidifier runs when the temperature and humidity conditions of room are low, frost can form in its evaporator coil. This interferes with proper operation.

1.6.5 HUMIDISTAT

Humidistat maintains the constant relative humidity in the room automatically to satisfy particular need.

(When the relative humidity in the room increases to the selected level, the dehumidifier starts automatically.) Once the relative humidity drops to the selected level, the dehumidifier stops automatically.

When first using the dehumidifier, it is recommended, for the first three or four days, to operate the unit with the humidistat control set at the MAX. At this setting, the unit will run continuously.

When the sweating has stopped and the dampness odors have gone, it is preferable to select the humidistat position that will best suit local conditions.

The relative humidity range it can control is from 20 % to 80%. (See Figure 3)

NOTE: The relative humidity at the number is the approximate value.

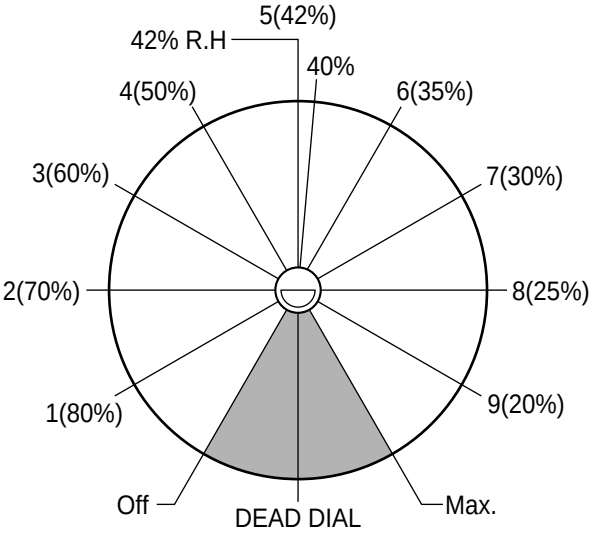


Figure 3

1.6.6 DRIER ASSEMBLY

Dryer is used to prevent water from overflowing in all tubes and H/E assembly-condenser assembly and evaporator assembly-and an acid, water and bad material from heating oil. Also, dryer is used to remove corrosion of the components.

NOTE: When dryer is replaced, proper injection to capillary is needed. On opening the dryer, it should be welded instantly. The oxidization of dryer inside and all tubes inside after welding can be prevented.(For Model DH2510A)

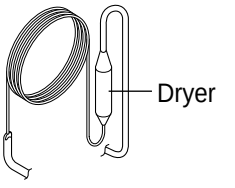
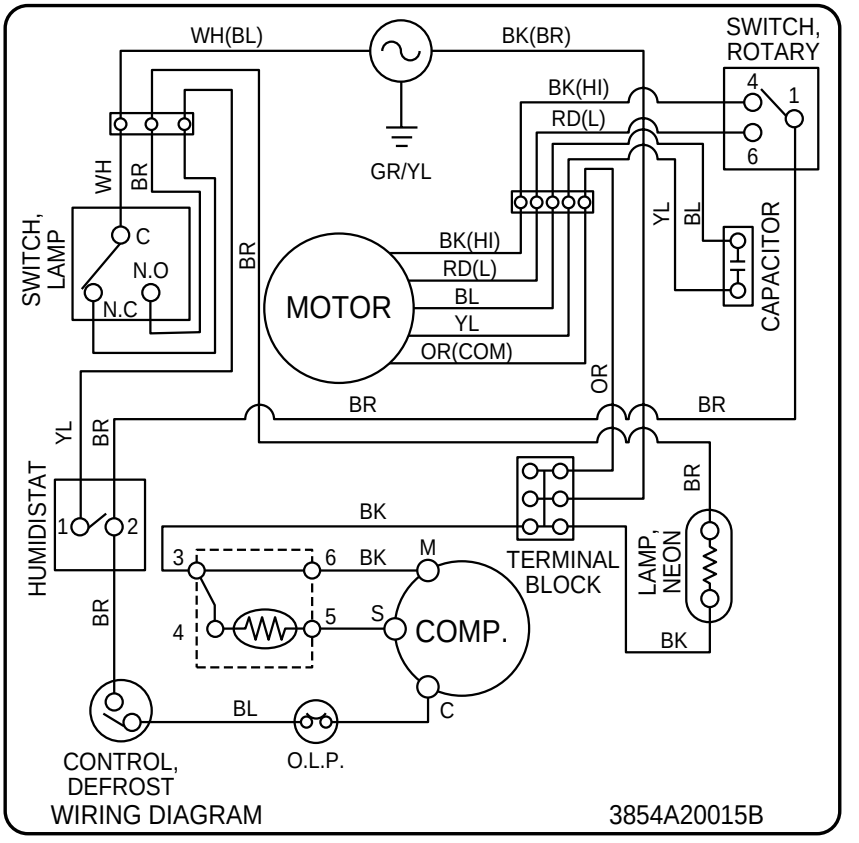


Figure 4

2. CIRCUIT DIAGRAM

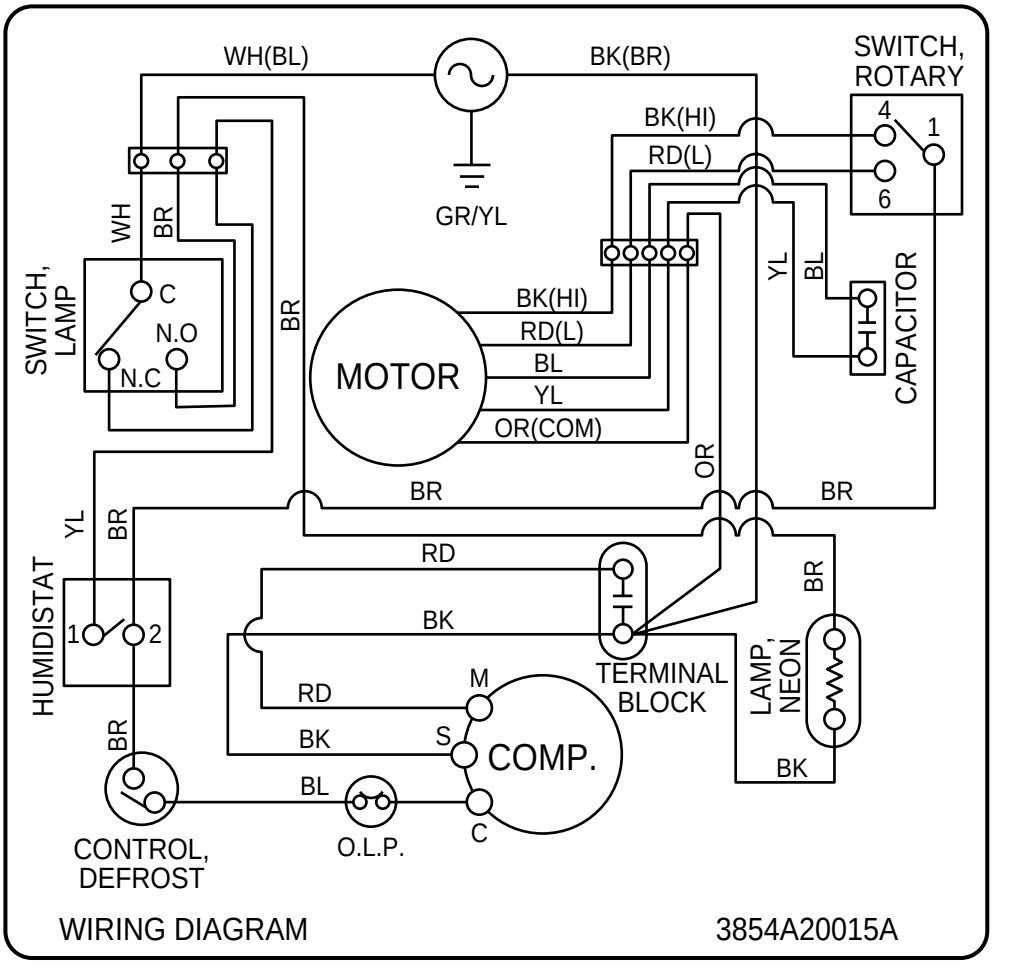
• MODEL : DH2510A



LOCATION NO.	DESCRIPTION	PART NO.	Q'TY PER SET	RE-MARKS
		DH2510A		
1	POWER CORD ASSEMBLY	6411A20001K	1	S
2	SWITCH, ROTARY	6600A20001A	1	S
3	MOTOR ASSEMBLY, SINGLE	4681A20034B	1	S
4	P.T.C. ASSEMBLY	6748C-0003D	1	S
5	COMPRESSOR	5416A20002B	1	S
6	O.L.P.	6750C-0009B	1	S
7	LAMP, NEON	6912A30001D	1	S
8	CONTROL, DEFROST	6614A30001D	1	S
9	HUMIDISTAT	5216A20001A	1	S
10	SWITCH ASSEMBLY, MICRO	6600A30003A	1	S
11	TERMINAL BLOCK	6640A40001A	1	S

※ S: SERVICE PARTS A: ALTERNATE PARTS N: NOT SERVICE PARTS

• MODEL : DH4010A, DH5010A



LOCATION NO.	DESCRIPTION	PART NO.		Q'TY PER SET	RE-MARKS
		DH4010A	DH5010A		
1	POWER CORD ASSEMBLY	6411A20001K		1	S
2	SWITCH, ROTARY	6600A20001A		1	S
3	MOTOR ASSEMBLY SINGLE	4681A20034A		1	S
4	CAPACITOR	6120AR2194S		1	S
5	COMPRESSOR	5416AR2179J		1	S
6	O.L.P.	6750U-L039A		1	S
7	LAMP, NEON	6912A30001D		1	S
8	CONTROL, DEFROST	6614A30001D		1	S
9	HUMIDISTAT	5216A20001A		1	S
10	SWITCH ASSEMBLY, MICRO	6600A30003A		1 1 2	S

※ S: SERVICE PARTS A: ALTERNATE PARTS N: NOT SERVICE PARTS

3. DISASSEMBLY INSTRUCTIONS

3.1 MECHANICAL PARTS

3.1.1 BUCKET AND AIR FILTER

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

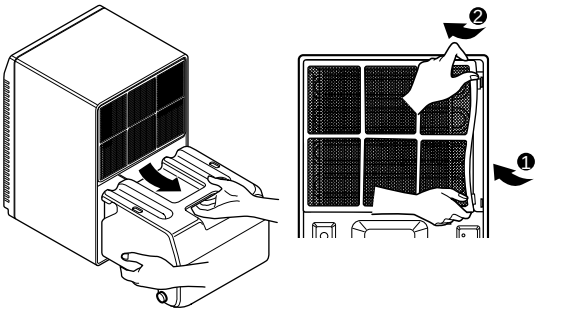


Figure 5

3.1.2 FRONT GRILLE

1. Remove 2 screws which fasten the front grille.
2. By pushing the both sides of front grille, pull the front grille forward and upward. (See Figure 6)

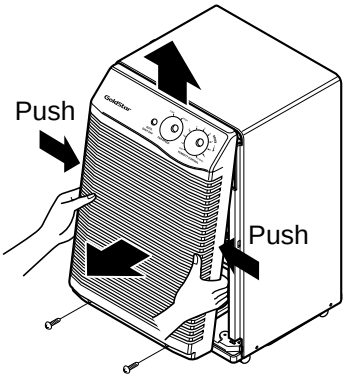


Figure 6

3.1.3. CONTROL BOX ASSY AND CABINET

1. Remove the Bucket, the Air filter and Front grille according to the procedure above.
2. Remove 3 screws that fasten Control box assy.(See Figure 7)
3. Remove 9 screws on all sides of the cabinet.
4. Lift the Cabinet from the base.
5. Unhook control box assy from two up and lower hooks on the Housing assy like Figure 8.

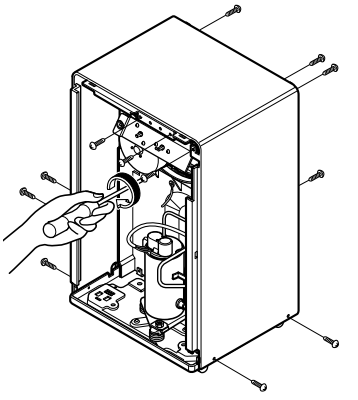


Figure 7

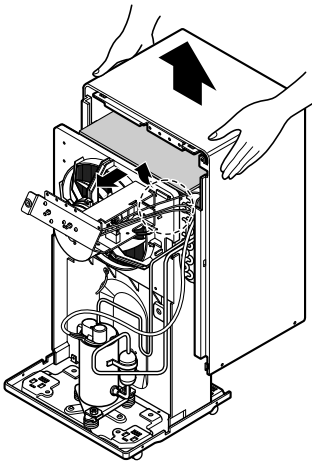


Figure 8

3.2 CONTROL PARTS AND CYCLE PARTS

3.2.1 ROTARY SWITCH, HUMIDISAT AND NEON LAMP

1. Unfasten a screw located in the lower side of control box assy(DH2510A) then stretch control box like figure 9.
   Remove each screw located in the lower side of Control box assy and fastens Capacitor clamp then stretch Control box assy like figure 9. (DH5010A/DH4010A)
2. Disconnect housing and all leads of Rotary switch, Humidistat and Neon lamp.
3. Remove 4 screws which fasten the Rotary switch and Humidistat.
4. Pull the Neon lamp out.

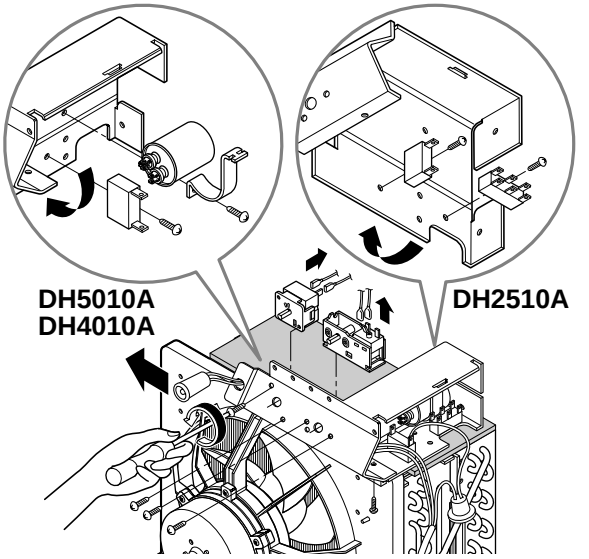


Figure 9

3.2.2 CAPACITORS AND TERMINAL BLOCK

1. Remove each screw that fastens Capacitor and Terminal block after control box assy is stretched as like figure 9.
2. Disconnect all leads of Capacitor and Terminal block then remove them from control box.

3.2.3 DEFROST CONTROL

1. Disconnect all leads of the Defrost control in the Control Box.
2. Remove the defrost control from the Suction tube assy.

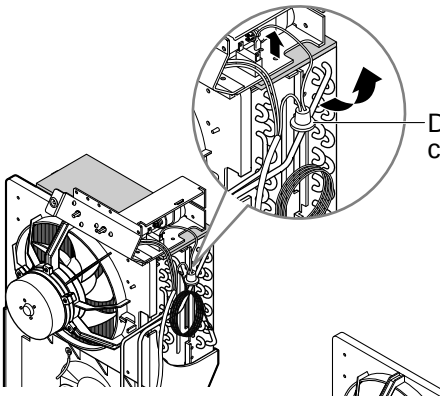


Figure 10

3.2.4 MICRO SWITCH ASSY

1. Disconnect three leads connected in the Micro switch assy.
2. Turn the nut left and take off the Micro switch assy from the Housing assy.

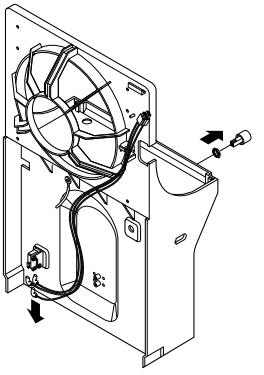


Figure 11

3.2.5 POWER CORD ASSY

1. After the Control box assy opens, remove a screw that fastens the earth wire of the Power cord assy.
2. Disconnect housing and all leads of Power cord assy then remove it from the unit.

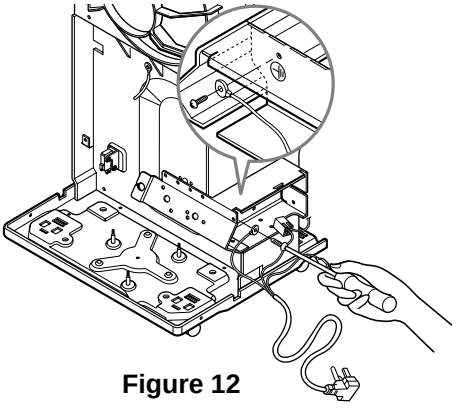


Figure 12

3.2.6 FAN AND MOTOR

1. Remove 4 screws that fasten H/E assy.
2. Widen H/E assy 30 degree clockwise as like figure 13.
3. Remove one nut that fastens the fan
4. Unfasten 3 screws that secure the Motor.
5. Remove the Motor and Fan carefully in state of holding FAN as shown by the arrow.
   (✻ H/E assy means heat Exchange Assembly.)

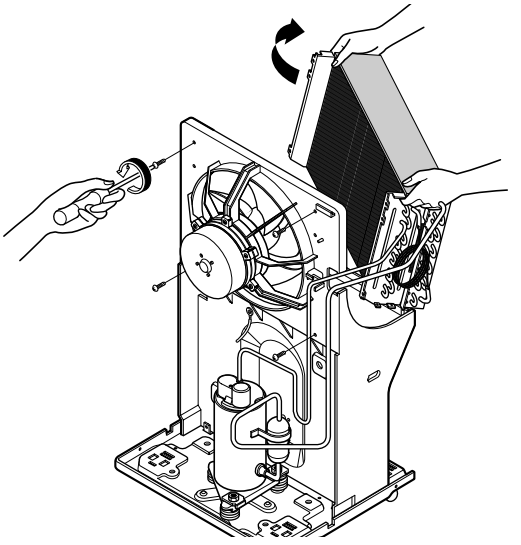


Figure 13

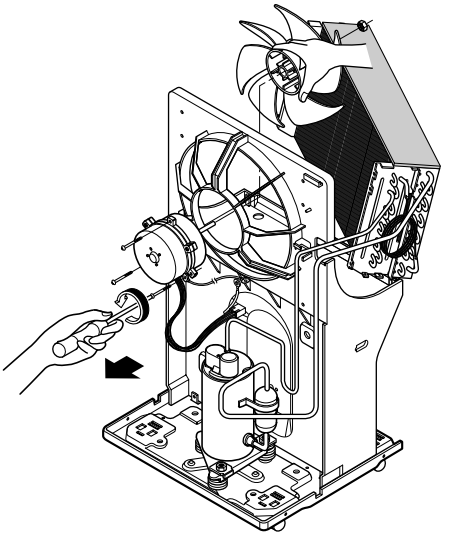


Figure 14

3.2.7 HOUSING ASSY

1. Remove 4 screws that fasten the H/E assy.
2. Discharge the refrigerant by using a refrigerant Recovery System.
3. After purging the unit completely, unbrace the Discharge and the Suction tube assy.
4. Unfaten 2 screws are located in back of Housing assy.
5. Pull the Housing assy backward first then take it up from the base.
   (✻ H/E assy means heat Exchange Assembly.)

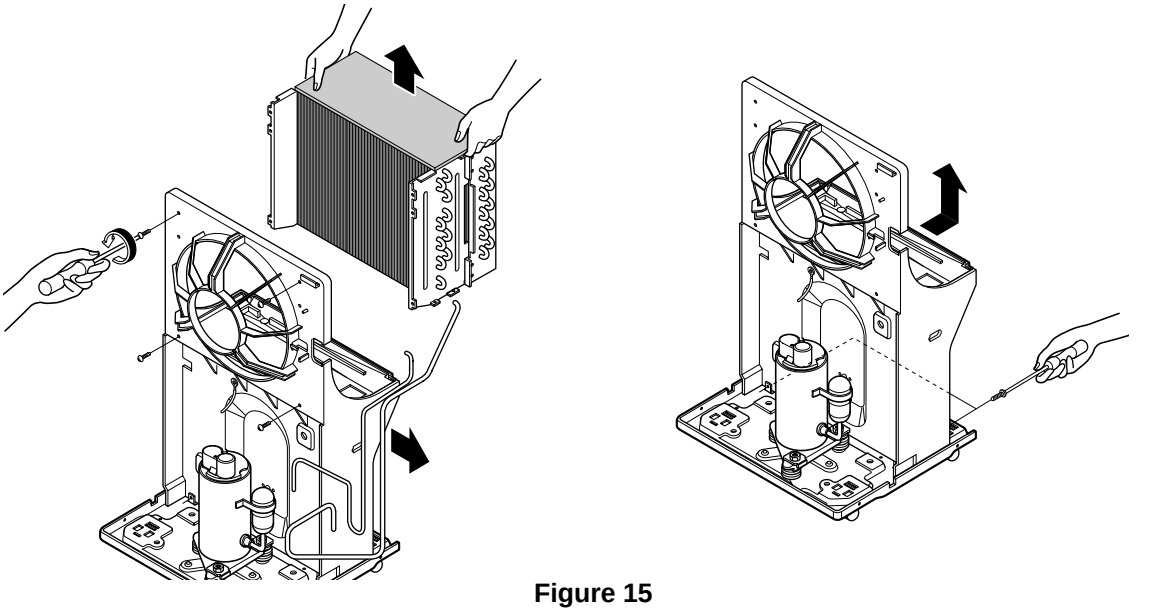
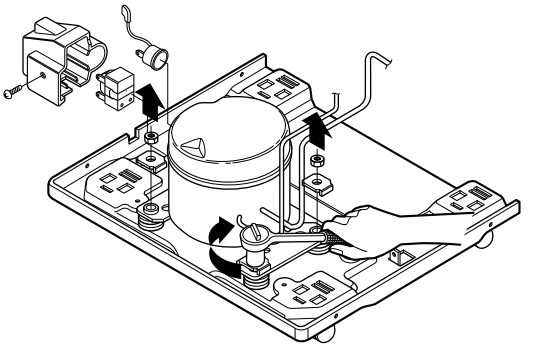


Figure 15

3.2.8 P.T.C. ASSEMBLY OR OVERLOAD PROTECTOR (O.L.P.)

1. Remove the cabinet. (Refer to section 3.1.3)
2. Remove a screw or a nut which fastens the terminal cover
3. Disconnect the lead wire from the overload protector or P.T.C. assembly.
4. Remove the overload protector or P.T.C. assembly. (See Figure 16, 17)

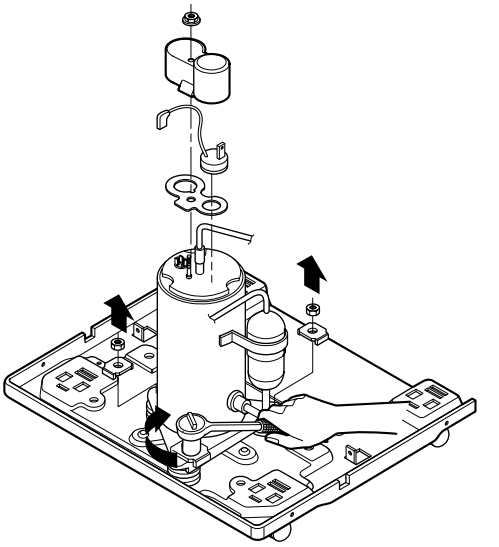


FOR DH2510A (Recipro Comp.)

Figure 16

3.2.9 COMPRESSOR

1. Remove the cabinet. (Refer to section 3.1.3)
2. Discharge the refrigerant by using a refrigerant Recovery System.
3. After purging the unit completely, unbrace the suction and discharge tubes at the compressor connections.
4. Remove the nuts and washers which fasten the compressor. (See Figure 16, 17)
5. Remove the compressor. (See Figure 16, 17)



FOR DH4010A/ DH5010A (Rotary Comp.)

Figure 17

3.3 REFRIGERATING CYCLE

3.3.1 CONDENSER ASSEMBLY AND EVAPORATOR ASSEMBLY(HEAT EXCHANGE ASSEMBLY)

1. Remove the motor mount. (Refer to 3.2.3)
2. Pierce the pinch-off tube to discharge the refrigerant, using a FREON™ recovery system.
3. Remove the insulation on the H/E assembly
4. After discharging the refrigerant completely, remove 4 screws between the shroud and H/E assembly. (See Figure 18)
5. Unbrace two interconnecting tubes of the compressor.
6. Remove the H/E assembly from the shroud. (See Figure 19)
7. Unbrace the interconnecting tube at the connections of each condenser and evaporator assembly.
8. Remove 4 screws between condenser and evaporator assembly. (See Figure 20)

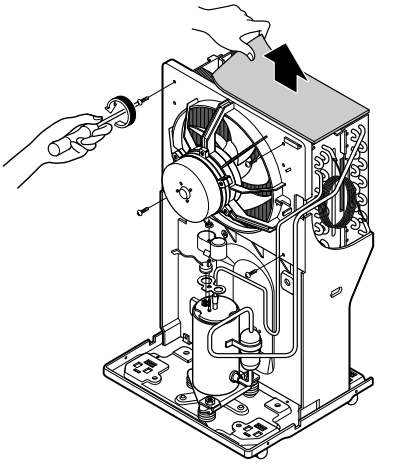


Figure 18

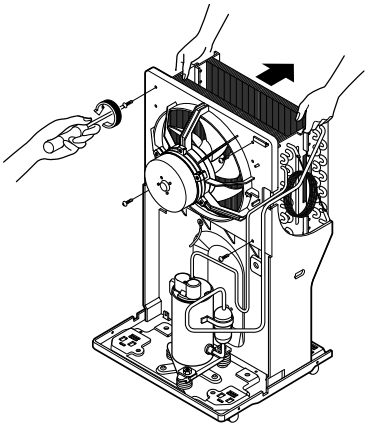


Figure 19

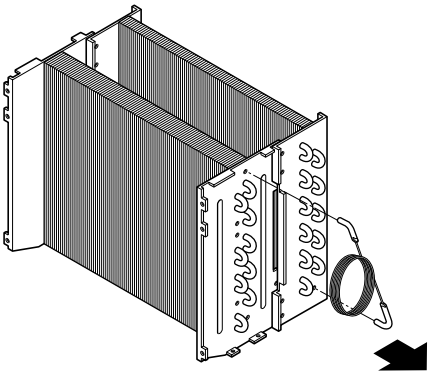


Figure 20

3.3.2 CAPILLARY TUBE ASSEMBLY

1. Remove the H/E assembly. (Refer to section 3.3.1)
2. After discharging the refrigerant completely, unbrace the connecting pipes of capillary assembly and pulling them outward. (See Figure 21)

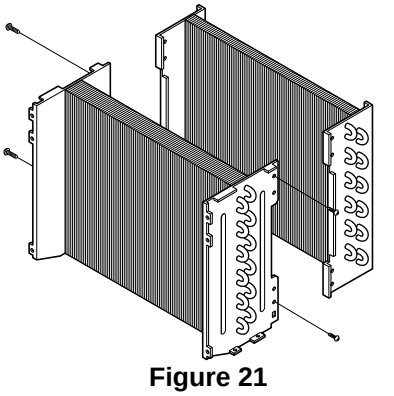


Figure 21

3.4 HOW TO REPLACE THE REFRIGERATION SYSTEM

1. When replacing the refrigeration cycle, be sure to discharge the refrigerant system by using a refrigerant recovery system.
2. After discharging the unit completely, remove the desired component, and unbrace the pinch-off tubes.
3. Solder service valves into the pinch-off tube ports, leaving the valves open.
4. Solder the pinch-off tubes with service valves.
5. After doing the above procedures, the valve must be closed and left in place on the system for any subsequent procedures.
6. Evacuate as follows.
   1) Connect the vacuum pump, as illustrated in Figure 22A.
   2) Start the vacuum pump, slowly open manifold valves A and B with two full turns counterclockwise and leave the valves closed. The vacuum pump is now pulling through valves A and B up to valve C by means of the manifold and entire system.

CAUTION

If high vacuum equipment is used, just crack valves A and B for a few minutes, then open slowly with the two full turns counterclockwise. This will keep oil from foaming and being drawn into the vacuum pump.

   3) Operate the vacuum pump for 20 to 30 minutes, until 600 microns of vacuum are obtained. Close valves A and B, and observe vacuum gauge for a few minutes. A rise in pressure would indicate 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 24B. Open valve C.
      Discharge the line at the manifold connection.
   5) The system is now ready for final charging.
7. Recharge as follows :
   1) Refrigeration cycle systems are charged from the High-side. If the total charge cannot be put in the High-side, the balance will be put in the suction line through the access valve which you installed as the system was opened.
   2) Connect the charging cylinder as shown in Figure 22B.
      With valve C open, discharge the hose at the manifold connection.
   3) Open valve A and allow the proper charge to enter the system. Valve B is still closed.
   4) If more charge is required, 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 the unit is operating correctly, use the pinch-off tool with the unit still running and clamp on to the pinch-off tube. Using a tube cutter, cut the pinch-off tube about 2 inches from the pinch-off tool. Use sil-fos solder and solder pinch-off tube closed. Turn off the unit, allow it to set for a while, and then test the leakage of the pinch-off connection.

NOTE: THE REFRIGERANT R134a IS USED ONLY FOR THE MODEL DH2510A

When discharging refrigerant R134a, purging instrument should be used only for R134a, without mixing that of refrigerant R22.

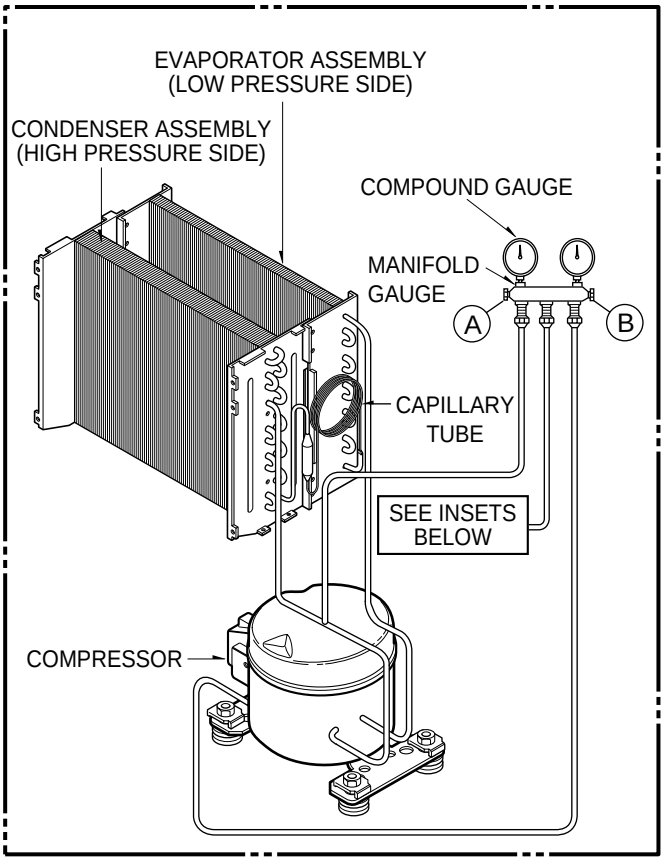
When checking the leakage of refrigerant R134a, leakage test tool should be used only for R134a.

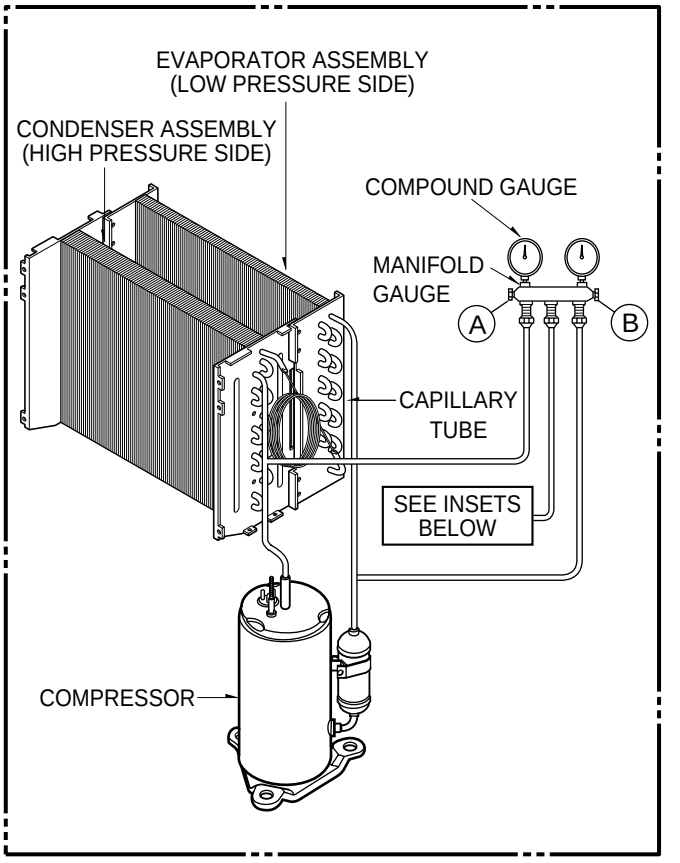
The pump for discharging should be high efficiency. Final discharging value must be managed below 0.5 Torr.

Maximum water should be less than quantity 150mg in the cycle-all tubes and H/E assembly-system. If water quantity is over 150mg, it causes acid or corrosion in the cycle system and the capillary tube to be clogged by water and harmful materials.

The model DH2510A must use dryer to prevent water from overflowing.

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, service valve.





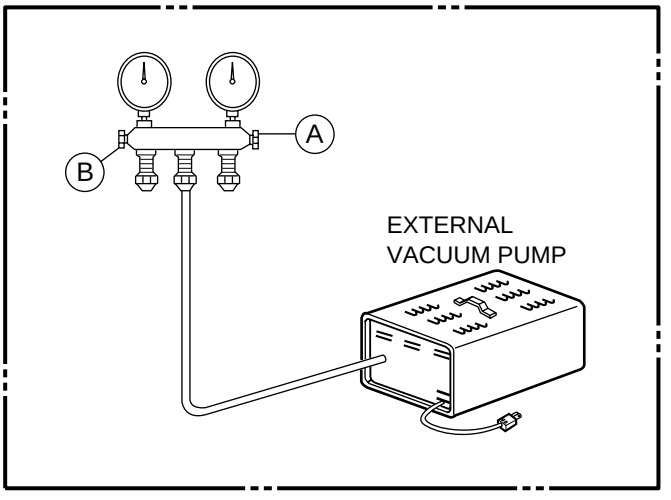


Figure 22A-Pulling Vacuum

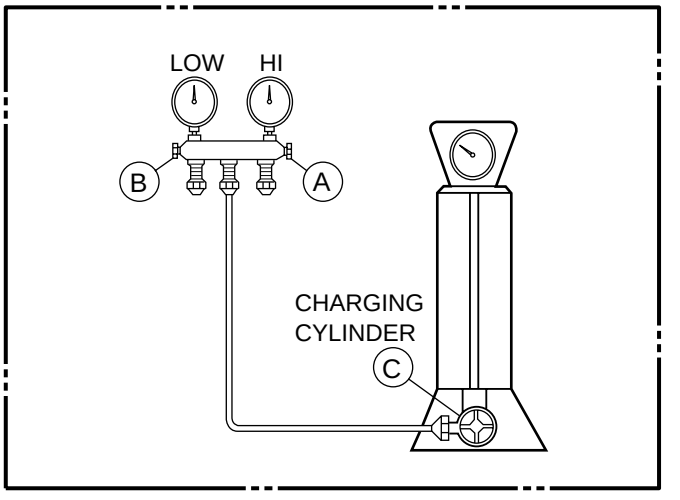
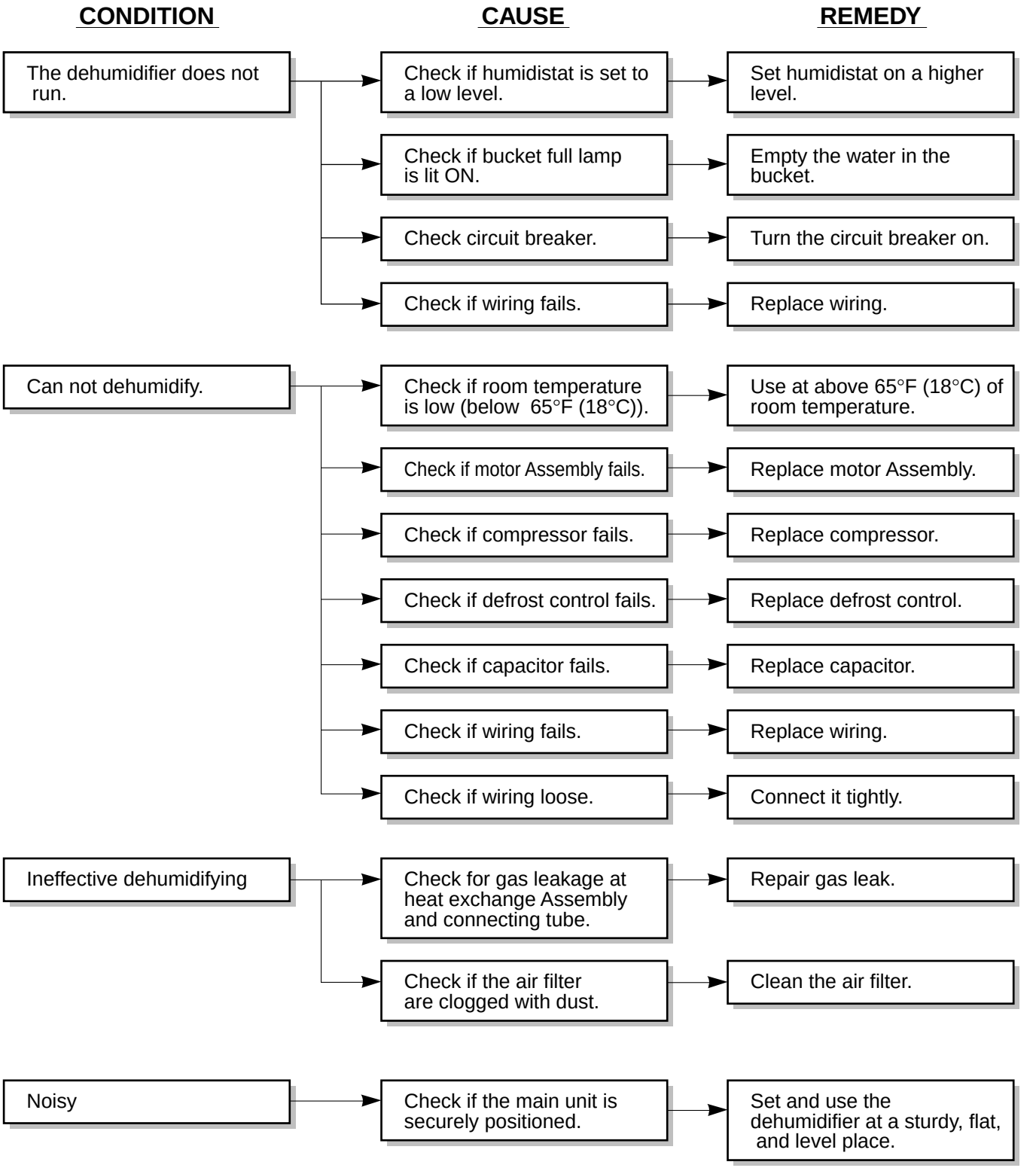


Figure 22B-Charging

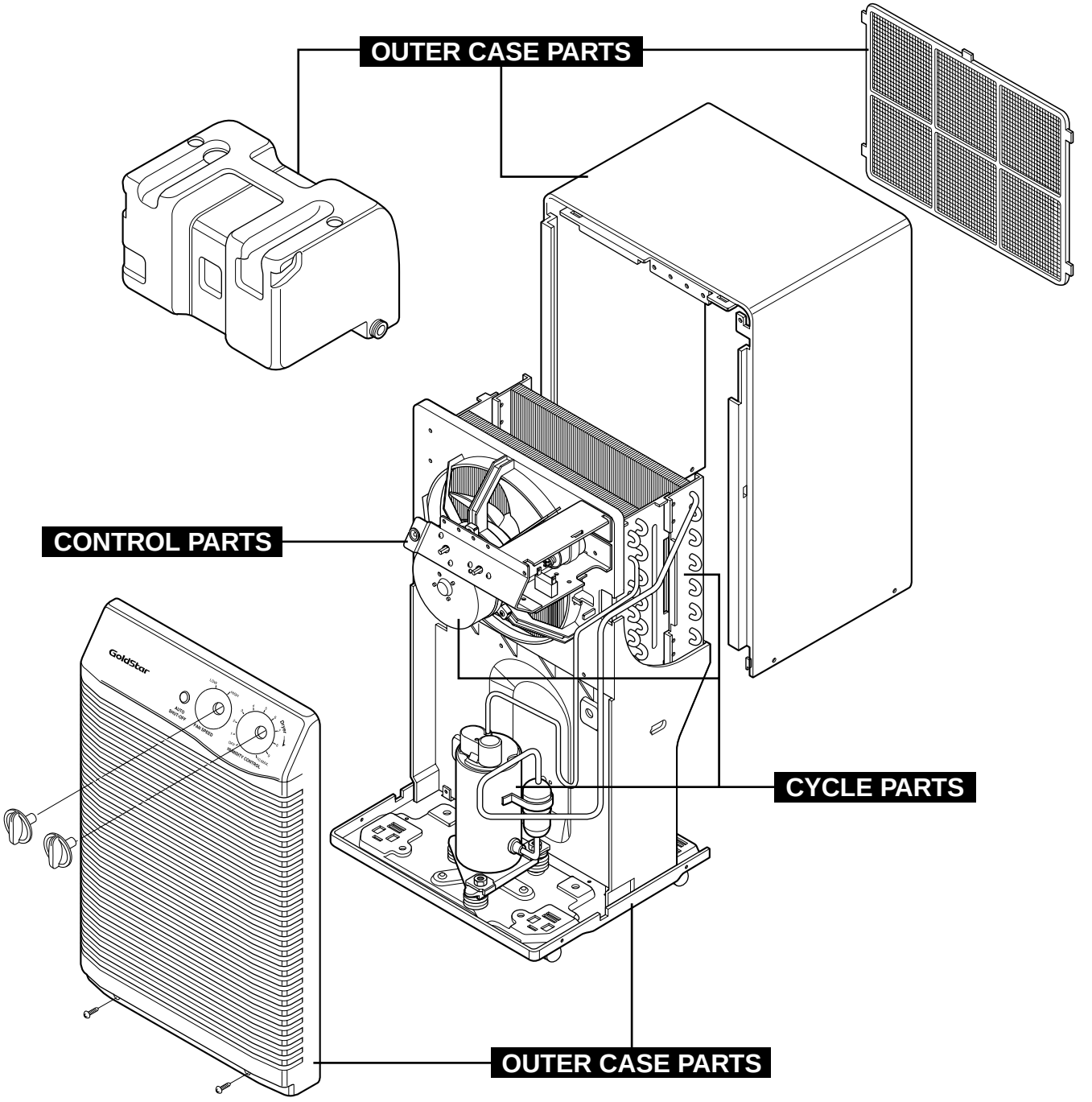
4. TROUBLESHOOTING GUIDE



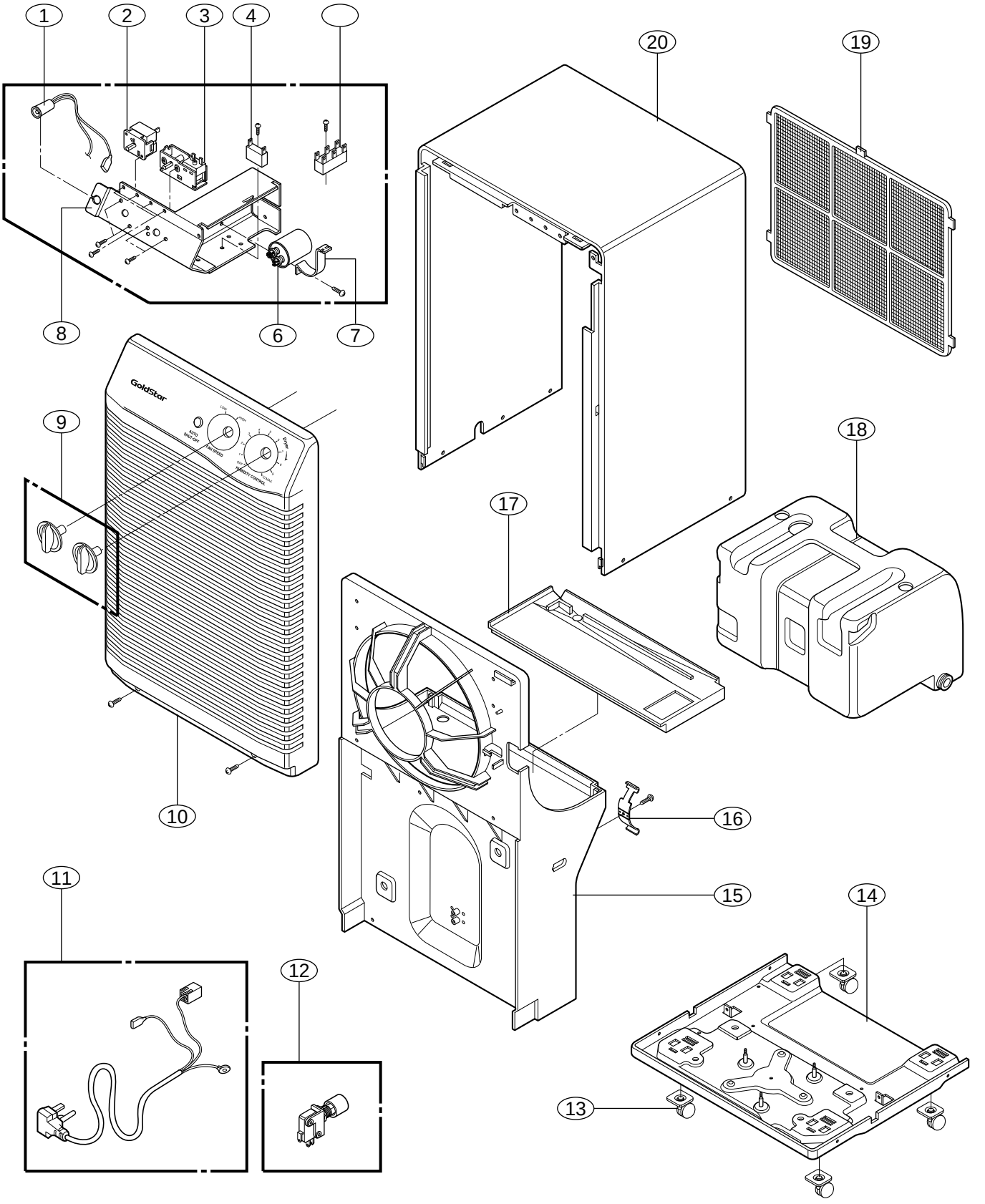
CONDITION	CAUSE	REMEDY
1. Dehumidifier does not operate. (Both compressor and fan motor do not operate.)	No power	Check power supply at outlet. Correct if none.
	Poor plug contact at outlet.	Install plug properly or replace it.
	Bucket is full.	If Auto Shut Off lights, empty the bucket.
	Humidity control is at Off position	Turn the humidity control switch toward Max.
	Wire disconnected or connection 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 ±10% of manufacturer's rating. Replace if shorted, open, or damaged.
2. Motor Assembly runs but compressor does not run.	Voltage (115V ± 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 ±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.
	H/E Assembly clogged with dust and dirt	Clean evaporator and/or condenser assembly
	Air filter is dirty.	Clean it.
	Motor Assembly is not operating.	Check Motor Assembly, repair or replace it.

CONDITION	CAUSE	REMEDY
5. Noisy operating	Fan	If cracked, out of balance, or partially missing, replace it
	Foreign material plunged and rattle.	Remove 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.
	Poor drain hose connection.	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 pan spring.
7. Compressor cycles on overload protector. (O.L.P.)	High or low line voltage. (115V ± 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.
	H/E Assembly clogged with dust or dirt.	Clean dust or dirt on the H/E Assembly.
	Motor Assembly	If not running, determine the cause. Replace if required.
	Bad P.T.C. assembly	Check P.T.C. assembly, Repair.
	Short circuit or ground in electrical circuit	Check electrical circuit. Repair.
	Unit pressures not equalized	Allow 2 or 3 minutes for pressure to equalize before starting 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.)

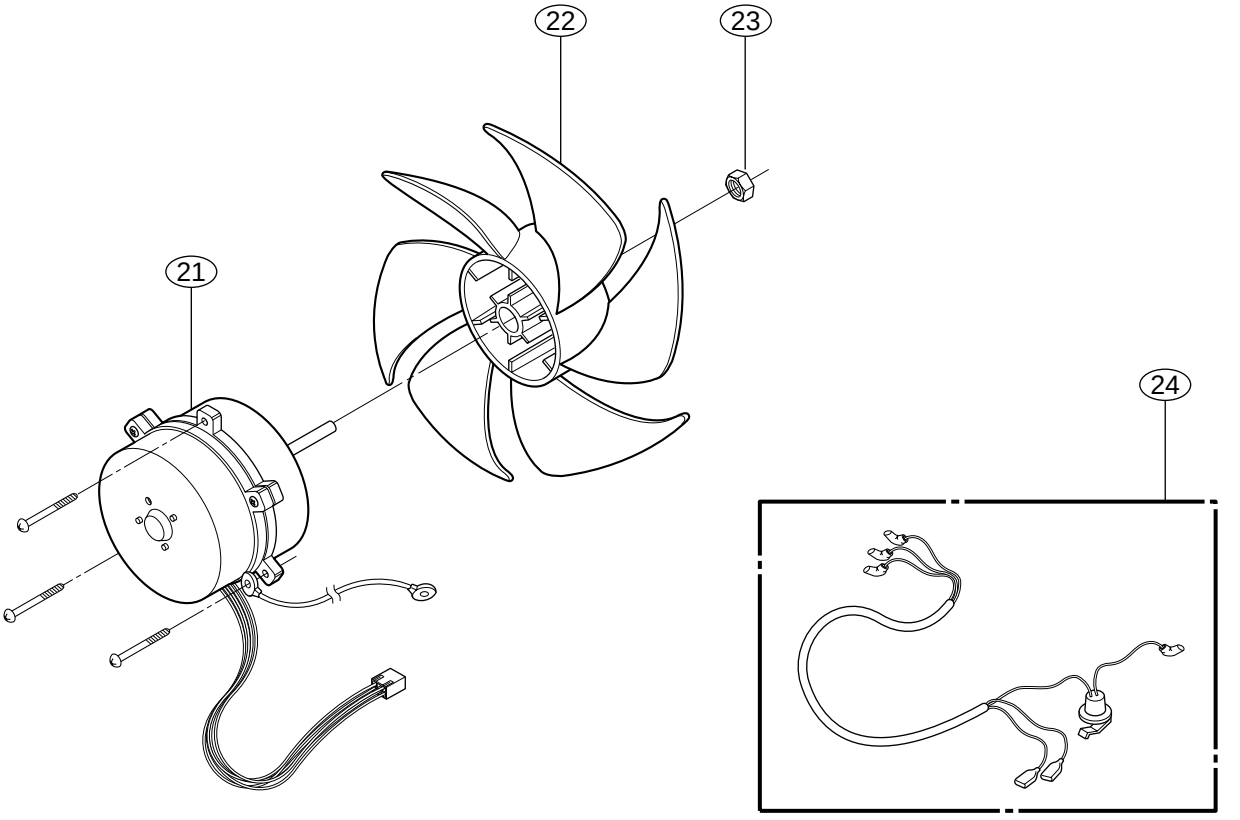
5. EXPLODED VIEW - INTRODUCTION

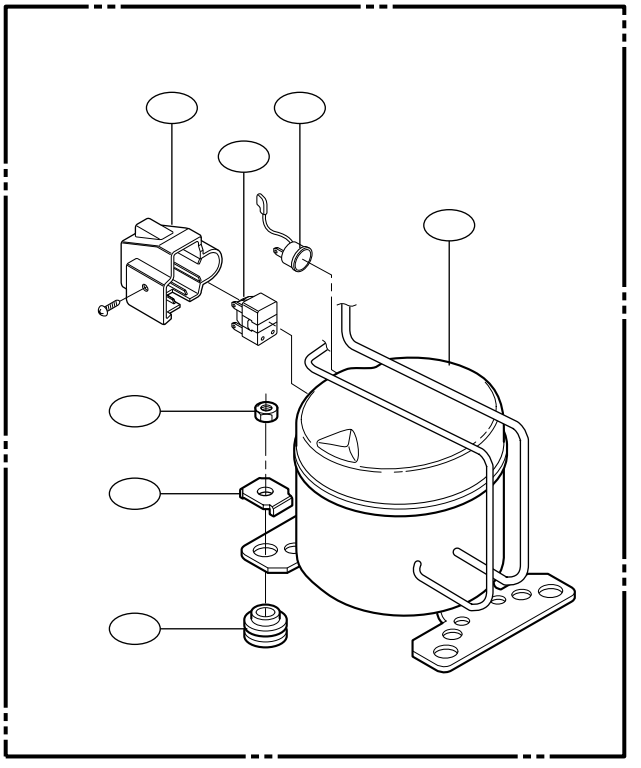


• OUTER CASE PARTS AND CONTROL PARTS

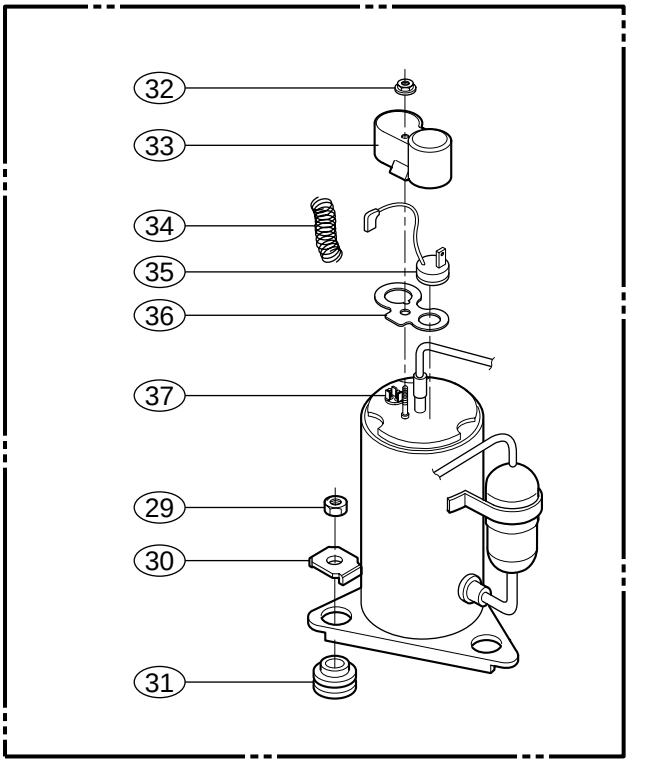


• CYCLE PARTS AND CONTROL PARTS





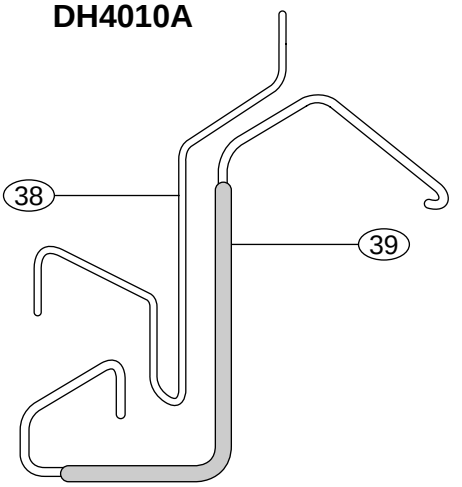
(MODEL: DH2510A)



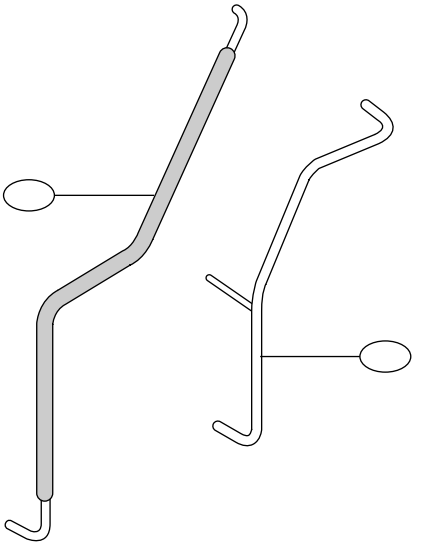
(MODEL: DH4010A/ DH5010A)

• CYCLE PARTS

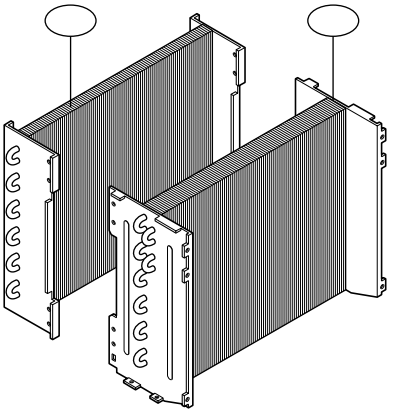
(ROTARY COMP.)
MODEL: DH5010A
DH4010A



(RECIPRO COMP.)
MODEL: DH2510A



MODEL: DH2510A



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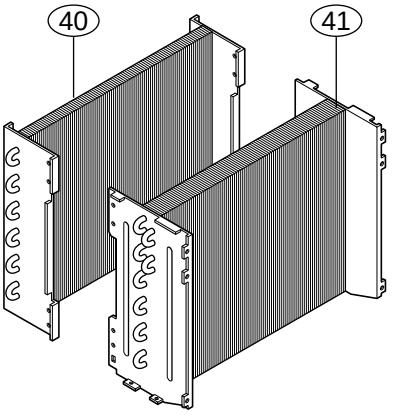
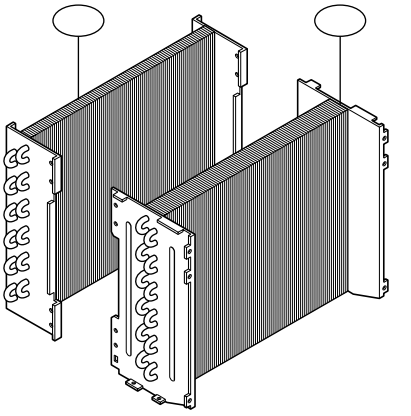


MODEL: DH5010A



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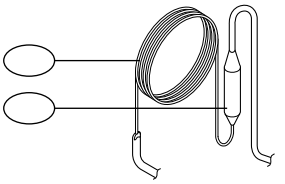
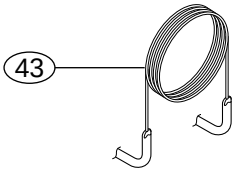
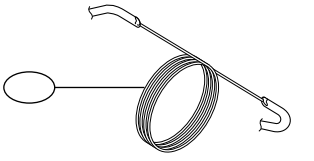


MODEL: DH4010A



MODEL: DH5010A



6. REPLACEMENT PARTS LIST

• MODEL: DH2510A

LOCATION NO.	PART NO.	DESCRIPTION	Q'TY PERSET	RE-MARKS
OUTER CASE PARTS AND CONTROL PARTS				
1	6912A30001D	LAMP, NEON	1	S
2	6600A20001A	SWITCH, ROTARY	1	S
3	5216A20001A	HUMIDISTAT	1	S
5	6640A40001A	TERMINAL, BLOCK	1	S
8	4994A20011A	CONTROL BOX, SINGLE	1	S
9	4941A30002A	KNOB ASSEMBLY	2	S
10	3531A20012B	GRILLE ASSEMBLY, FRONT	1	S
11	6411A20001K	POWER CORD ASSEMBLY	1	S
12	6600A30003A	SWITCH ASSEMBLY, MICRO	1	S
13	4441A30001A	CASTER ASSY, ROLLER	4	S
14	3041AD2007B	BASE ASSEMBLY WELD [SINGLE]	1	S
15	3660A00003A	HOUSING	1	S
16	4970AD4001A	SPRING, PAN	1	S
17	5400AR3260N	INSULATION, PE	1	N
18	4838AD1002B	TANK, BUCKET	1	S
19	5230AD3005A	FILTER MECH, AIR	1	S
20	3090A10001J	CABINET	1	S
CYCLE PARTS				
21	4681A20034B	MOTOR ASSEMBLY, SINGLE	1	S
22	5900AD2013A	FAN ASSEMBLY, PROPELLER	1	S
23	4H02861A	FAN NUT	1	S
24	6614A30001D	CONTROL, DEFROST	1	S
25	3550C-0011A	COVER, P.T.C.	1	S
26	6750C-0009B	O.L.P.	1	S
27	6748C-0003D	P.T.C. ASSEMBLY	1	S
28	5416A20002A	COMPRESSOR, RECIPRO	1	S
29	1NHA0801206	NUT, HEXAGON (1)	4	S
30	4810AR4155A	BRACKET, WASHER	4	S
31	4022U-L001A	ISOLATOR, COMP.	4	S
38	5211A30290A	TUBE ASSEMBLY, DISCHARGE	1	S
39	5211A30291A	TUBE ASSEMBLY, SUCTION	1	S
40	5421A20046B	EVAPORATOR ASSEMBLY	1	S
41	5403A20027C	CONDENSER ASSEMBLY	1	S
42	5851A30001A	DRIER ASSEMBLY	1	S
43	5211A30008F	TUBE ASSEMBLY, CAPILLARY	1	S

※ S: SERVICE PARTS A: ALTERNATE PARTS N: NOT SERVICE PARTS

• MODEL: DH4010A

LOCATION NO.	PART NO.	DESCRIPTION	Q'TY PERSET	RE-MARKS
OUTER CASE PARTS AND CONTROL PARTS				
1	6912A30001D	LAMP, NEON	1	S
2	6600A20001A	SWITCH, ROTARY	1	S
3	5216A20001A	HUMIDISTAT	1	S
6	6120AR2194S	CAPACITOR	1	S
7	4H00442G	CLAMP, CAPACITOR	1	N
8	4994A20011A	CONTROL BOX, SINGLE	1	S
9	4941A30002A	KNOB ASSEMBLY	2	S
10	3531A20012A	GRILLE ASSEMBLY, FRONT	1	S
11	6411A20001K	POWER CORD ASSEMBLY	1	S
12	6600A30003A	SWITCH ASSEMBLY, MICRO	1	S
13	4441A30001A	CASTER ASSY, ROLLER	4	S
14	3041AD2007A	BASE ASSEMBLY WELD [SINGLE]	1	S
15	3660A00003A	HOUSING	1	S
16	4970AD4001A	SPRING, PAN	1	S
17	5400AR3260N	INSULETION, PE	1	N
18	4838AD1002B	TANK, BUCKET	1	S
19	5230AD3005A	FILTER MECH, AIR	1	S
20	3090A10001J	CABINET	1	S
CYCLE PARTS				
21	4681A20034A	MOTOR ASSEMBLY, SINGLE	1	S
22	5900AD2013A	FAN ASSEMBLY, PROPELLER	1	S
23	4H02861A	FAN NUT	1	S
24	6614A30001D	CONTROL, DEFROST	1	S
29	1NHA0801206	NUT, HEXAGON (1)	3	S
30	4810AR4155A	BRACKET, WASHER	3	S
31	5040AR4195A	ISOLATOR, COMP.	3	S
32	4H00947A	NUT, TERMINAL COVER	1	S
33	3550-CL001D	TERMINAL COVER	1	S
34	4970U-L002A	SPRING, O.L.P.	1	S
35	6750U-L039A	O.L.P.	1	S
36	4986U-L001B	GASKET	1	S
37	5416AR2179J	COMPRESSOR, ROTARY	1	S
38	5211A30285A	TUBE ASSEMBLY, DISCHARGE	1	S
39	5211A30286A	TUBE ASSEMBLY, SUCTION	1	S
40	5421A20046B	EVAPORATOR ASSEMBLY	1	S
41	5403A20027C	CONDENSER ASSEMBLY	1	S
43	5211A30008E	TUBE ASSEMBLY, CAPILLARY	1	S

※ S: SERVICE PARTS A: ALTERNATE PARTS N: NOT SERVICE PARTS

• MODEL: DH5010A

LOCATION NO.	PART NO.	DESCRIPTION	Q'TY PERSET	RE-MARKS
OUTER CASE PARTS AND CONTROL PARTS				
1	6912A30001D	LAMP, NEON	1	S
2	6600A20001A	SWITCH, ROTARY	1	S
3	5216A20001A	HUMIDISTAT	1	S
6	6120AR2194S	CAPACITOR	1	S
7	4H00442G	CLAMP, CAPACITOR	1	N
8	4994A20011A	CONTROL BOX, SINGLE	1	S
9	4941A30002A	KNOB ASSEMBLY	2	S
10	3531A20012A	GRILLE ASSEMBLY, FRONT	1	S
11	6411A20001K	POWER CORD ASSEMBLY	1	S
12	6600A30003A	SWITCH ASSEMBLY, MICRO	1	S
13	4441A30001A	CASTER ASSY, ROLLER	4	S
14	3041AD2007A	BASE ASSEMBLY WELD [SINGLE]	1	S
15	3660A00003A	HOUSING	1	S
16	4970AD4001A	SPRING, PAN	1	S
17	5400AR3260N	INSULATION, PE	1	N
18	4838AD1002B	TANK, BUCKET	1	S
19	5230AD3005A	FILTER MECH, AIR	1	S
20	3090A10001J	CABINET	1	S
CYCLE PARTS				
21	4681A20034A	MOTOR ASSEMBLY, SINGLE	1	S
22	5900AD2013A	FAN ASSEMBLY, PROPELLER	1	S
23	4H02861A	FAN NUT	1	S
24	6614A30001D	CONTROL, DEFROST	1	S
29	1NHA0801206	NUT, HEXAGON (1)	3	S
30	4810AR4155A	BRACKET, WASHER	3	S
31	5040AR4195A	ISOLATOR, COMP.	3	S
32	4H00947A	NUT, TERMINAL COVER	1	S
33	3550-CL001D	TERMINAL COVER	1	S
34	4970U-L002A	SPRING, O.L.P.	1	S
35	6750U-L039A	O.L.P.	1	S
36	4986U-L001B	GASKET	1	S
37	5416AR2179J	COMPRESSOR, ROTARY	1	S
38	5211A30265A	TUBE ASSEMBLY, DISCHARGE	1	S
39	5211A30267A	TUBE ASSEMBLY, SUCTION	1	S
40	5421A20046A	EVAPORATOR ASSEMBLY	1	S
41	5403A20027A	CONDENSER ASSEMBLY	1	S
43	5211A30266A	TUBE ASSEMBLY, CAPILLARY	1	S

※ S: SERVICE PARTS A: ALTERNATE PARTS N: NOT SERVICE PARTS

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