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Dehumidifier

SERVICE MANUAL

**MODEL: DHA1260HR/HL
DHA1660HR/HL**

CAUTION

- BEFORE SERVICING THE UNIT,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.
- ONLY FOR AUTHORIZED SERVICE.

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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.

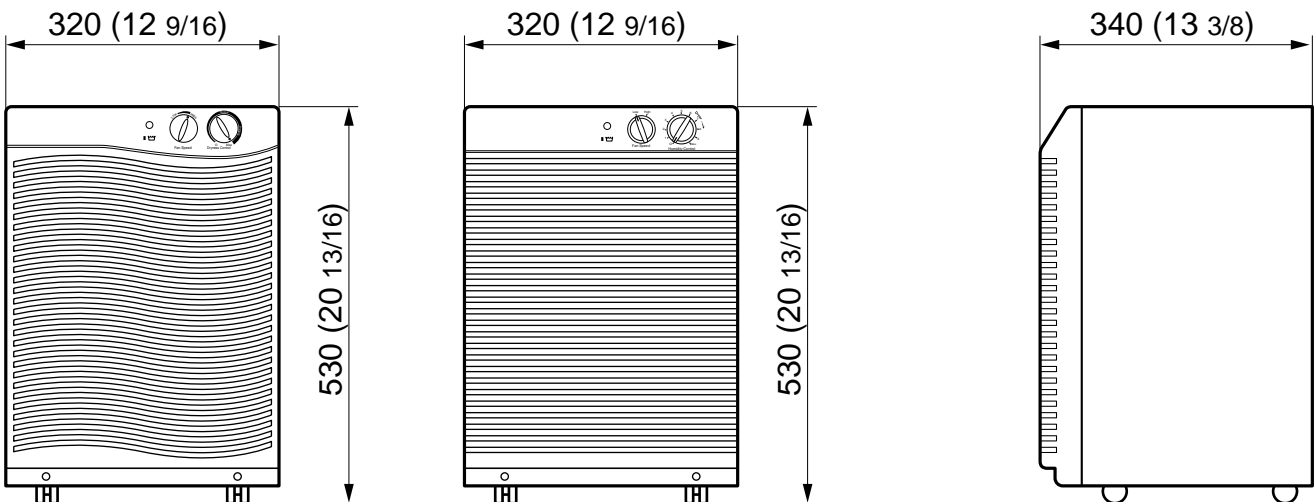
1.1 SAFETY PRECAUTIONS

- 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
- Hot gas defrost
- Automatic shut-off
- Water-full indicator light
- Easy roll casters
- Removable & large capacity bucket
- Washable air filter
- Fan speed: High/Low 2 fan speeds
- Drain hose connection.
- Power ON/OFF indicator light.

1.3 DIMENSIONS (mm/in)



- DHA1260HR
- DHA1660HR

- DHA1260HL
- DHA1660HL

1.4 SPECIFICATIONS

ITEMS		MODELS	DHA1260HL/HR
CAPACITY (l /Day)	32°C 80% RH		12
	27°C 60% RH		6
POWER SUPPLY (Phase, V, Hz)			1ø, 220~240V, 50Hz
REFRIGERANT			R134a
REFRIGERANT CHARGE, g			170
THERMOSTAT			OPEN : -8°C ± 1.5°C CLOSE : 3°C ± 1.5°C
HUMIDISTAT			CONTROL RANGE : 20% ~ 80% RH NORMAL SETTING : 42 ± 5% RH
COMPRESSOR MODEL NO.			NR45HAEG
P.T.C. ASSEMBLY	TYPE		P330MC/ MRA12091-9010
	RESISTANCE(at 25°C)		33 Ω
OVERLOAD PROTECTOR	TYPE		TI. No 4TM213SFB
			OPENING TEMP.: 135°C CLOSING TEMP.: 61°C TRIP CURRENT: (60°C) 1.7 ~ 2.1A
SWITCH, ROTARY			20A, 125/250VAC
MOTOR ASSEMBLY, SINGLE			4P, 19~23W, 0.11~0.13A, T.P: 17AM033A5-4(266°F/130°C)
SWITCH ASSEMBLY, MICRO			6A, 250VAC
OUTSIDE DIMENSIONS W x H x D, mm(in)			320 x 530 x 340 (12 9/16 x 20 13/16 x 13 3/8)
NET WEIGHT, kg			19

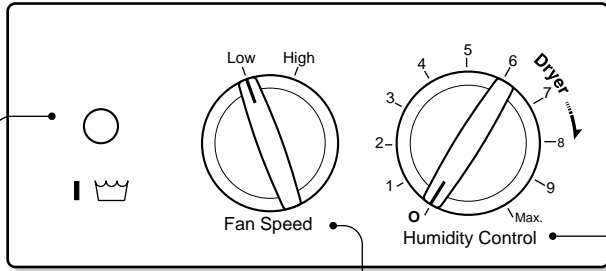
※ **NOTE : Specifications are subject to minor change without notice for further improvement.**

ITEMS		MODELS	DHA1660HL/HR
CAPACITY (l/Day)	32°C 80% RH		16
	27°C 60% RH		8
POWER SUPPLY (Phase, V, Hz)			1ø, 220~240V, 50Hz
REFRIGERANT			R134a
REFRIGERANT CHARGE, g			190
THERMOSTAT			OPEN : -10°C ± 2°C CLOSE : 5°C ± 2°C
HUMIDISTAT			CONTROL RANGE : 20% ~ 80% RH NORMAL SETTING : 42 ± 5% RH
COMPRESSOR MODEL NO.			NR62HAEG
P.T.C. ASSEMBLY	TYPE		P330MC / MRA12091-9010
	RESISTANCE		33 Ω
OVERLOAD PROTECTOR	TYPE		TI.NO. 4TM232VFB
			OPENING TEMP.: 120°C CLOSING TEMP.: 61°C TRIP CURRENT: (70°C) 2.3A
SWITCH, ROTARY			20A, 125/250VAC
MOTOR ASSEMBLY, SINGLE			4P, 19~23W, 0.11~0.13A, T.P: 17AM033A5(266°F/130°C)
SWITCH ASSEMBLY, MICRO			6A, 250VAC
OUTSIDE DIMENSIONS W x H x D, mm(in)			320 x 530 x 340 (12 9/16 x 20 13/16 x 13 3/8)
NET WEIGHT, kg			20

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

1.5 CONTROL

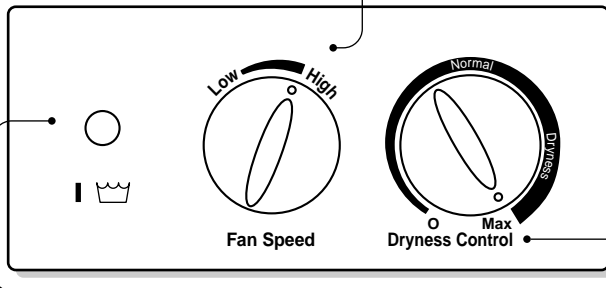
• DHA1260HL, DHA1660HL



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.

• DHA1260HR, DHA1660HR



Fan Speed

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

Auto Shut-Off

RED : BUCKET IS FULL, POWER OFF
GREEN : OPERATING

- When the bucket is full, operation automatically shuts down and the lamp light changes too.

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.

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).

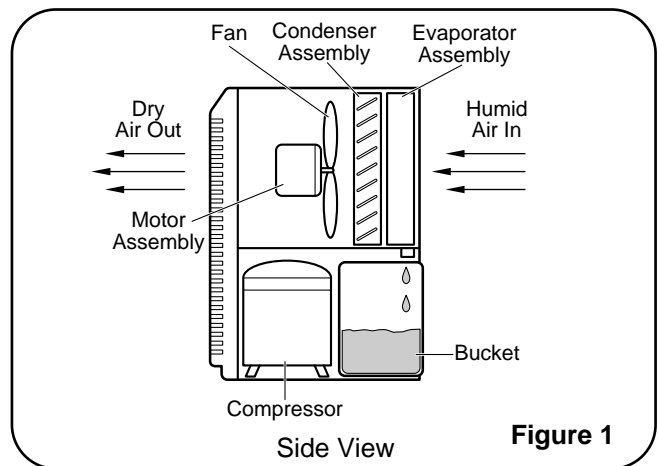


Figure 1

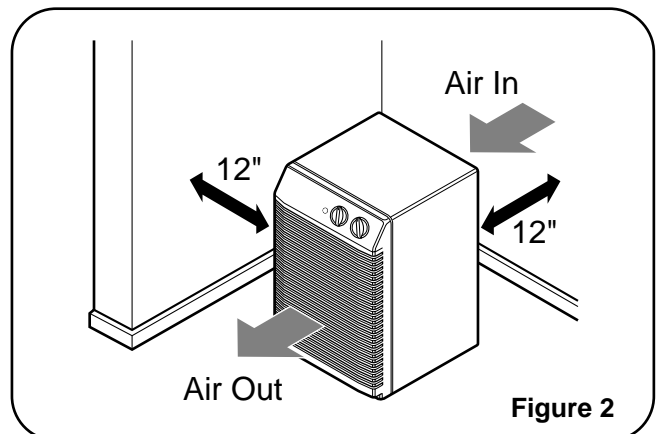


Figure 2

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.

1.6.4 THERMOSTAT AND SOLENOID VALVE (Hot gas defrost)

The THERMOSTAT senses frost build-up on the evaporator coil and automatically shuts off the fan. The compressor continues to run, hot gas(solenoïd valve is open) is supplied through the coil and melting the frost. When the coil is defrosted, the fan automatically restarts, and hot gas valve is closed, and dehumidifying resumes.

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.

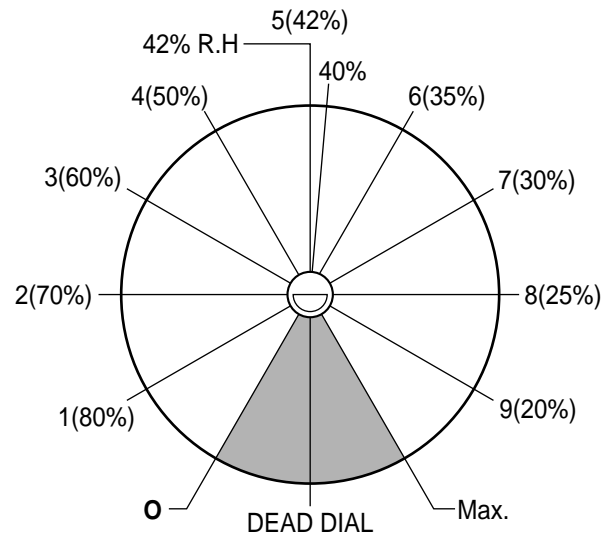
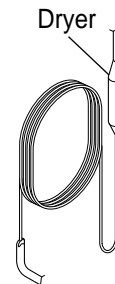


Figure 3

1.6.6 DRYER 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.

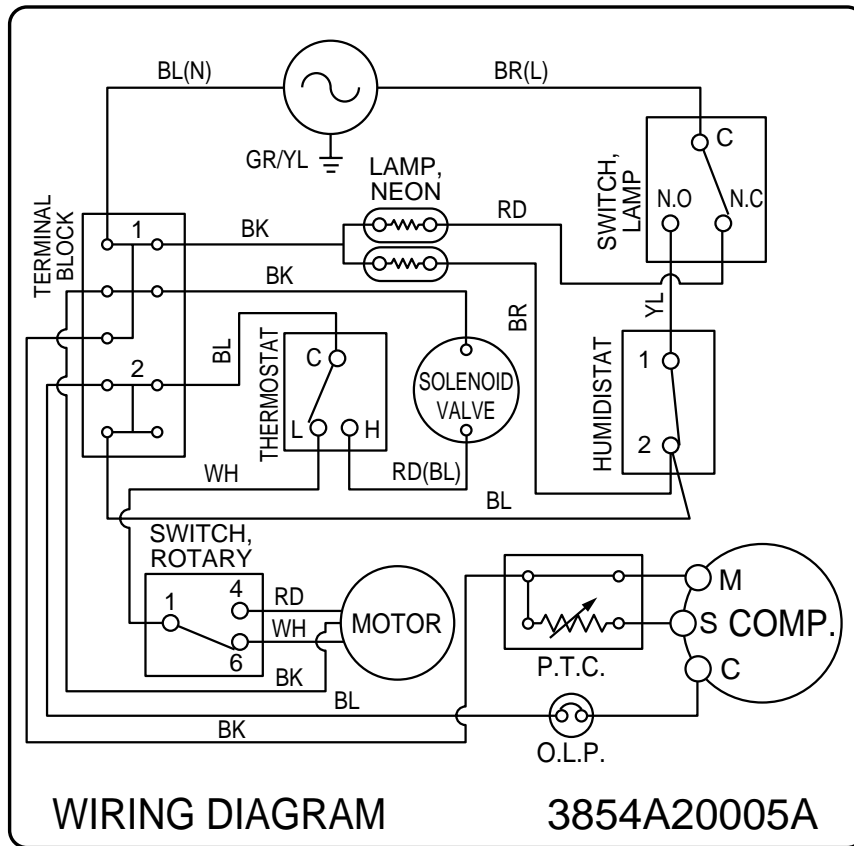


MODEL: DHA1260HL/HR, DHA1660HL/HR

Figure 4

2. CIRCUIT DIAGRAM

- MODEL : DHA1260HL/HR, DHA1660HL/HR



LOCATION NO.	DESCRIPTION	PART NO.		Q'TY PER SET	RE-MARKS
		DHA1260HL/HR	DHA1660HL/HR		
1	POWER CORD ASSEMBLY	2H01159Y/ 6411A20001B	2H01159Y/ 6411A20001B 3H01652Q(For H.K)	1	S
2	SWITCH, ROTARY	6600A20001A		1	S
3	MOTOR ASSEMBLY, SINGLE	4681A20002D		1	S
4	P.T.C. ASSEMBLY	6748C-0003C		1	S
5	COMPRESSOR	5416A20009A	5416A20009B	1	S
6	O.L.P.	6750C-0005M		1	S
7	LAMP, NEON	6912A30001B		1	S
8	THERMOSTAT	2H01127E	2H01127F	1	S
9	HUMIDISTAT	5216A20001A		1	S
10	SWITCH ASSEMBLY, MICRO	6600A30003B		1	S
11	TERMINAL BLOCK	3H00390A		1	S
12	SOLENOID, COIL	6421A90001C		1	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)
5. Replace the filter by referring to the removal procedure above.

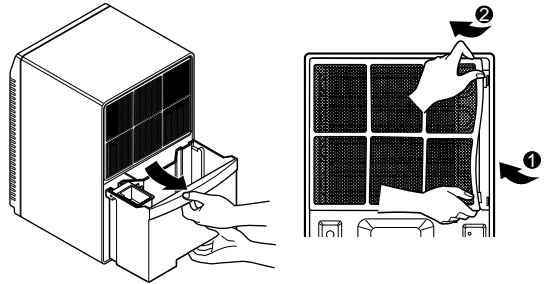


Figure 5

3.1.2 FRONT GRILLE

1. Remove 2 screws which fasten the front grille.
2. By pushing both sides front grille, pull the front grille forward and upward. (See Figure 6)
3. Replace the front grille by referring to the removal procedure above.

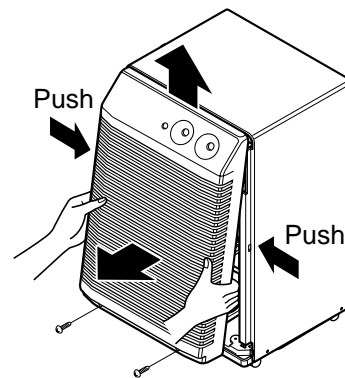


Figure 6

3.1.3. CONTROL PANEL AND CABINET

1. Remove the bucket, air filter, and front grille according to the procedure above. (Refer to 3.1.1/ 3.1.2)
2. Remove control panel by removing 3 screws. (See Figure 7)
3. Remove 7 screws on all sides of the cabinet. (See Figure 7)
4. Lift the cabinet from the base. (See Figure 8)
5. Replace the component by referring to the removal procedure above.

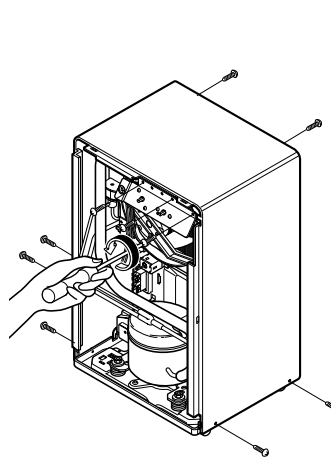


Figure 7

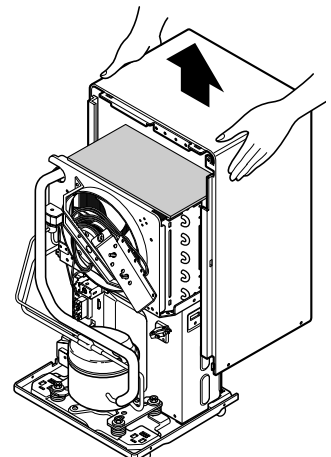


Figure 8

3.2 CONTROL PARTS AND CYCLE PARTS

3.2.1 ROTARY SWITCH AND HUMIDISTAT

1. Remove the cabinet (Refer to section 3.1.3)
2. Disconnect all leads of rotary switch and humidistat.
3. Remove 4 screws which fasten the rotary switch and humidistat. (See Figure 9)
4. Replace the components by referring to the removal procedure above.

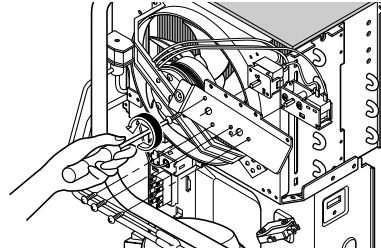


Figure 9

3.2.2 NEON LAMP

1. Remove the cabinet (Refer to section 3.1.3)
2. Disconnect two leads.
3. Pull neon lamp out. (See Figure 10)
4. Replace the cabinet by referring to the removal procedure above.

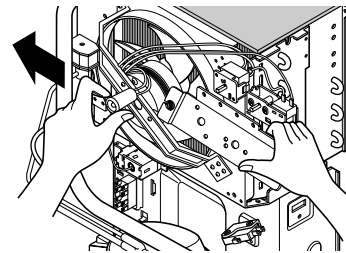


Figure 10

3.2.3 FAN AND MOTOR

1. Remove the cabinet. (Refer to section 3.1.3)
2. Disconnect all the leads of control panel assembly.
3. Remove 4 screws which fasten the motor mount. (See Figure 11)
4. Remove 2 nuts which secure the motor. (See Figure 11)
5. Remove one nut which fastens the fan. (See Figure 11)
6. Remove the fan forward carefully like, as shown by the arrow. (See Figure 11)
7. Replace the components by referring to the removal procedure above.

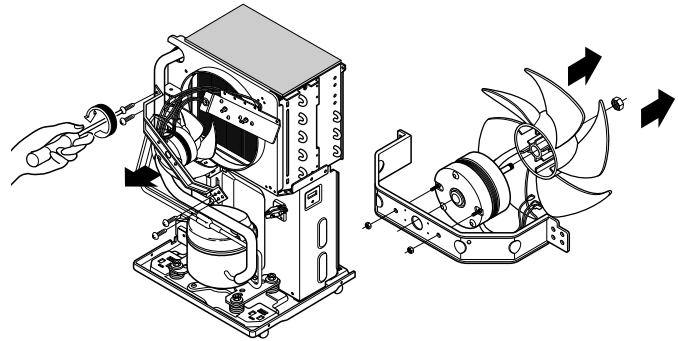


Figure 11

3.2.4 SHROUD

1. Remove the motor mount. (Refer to section 3.2.3)
2. Remove 4 screws which fasten the H/E assembly. (See Figure 12)
3. Remove discharge and suction tube assembly.
4. Remove 4 screws which fasten the shroud. (See Figure 12)
5. Remove the shroud from barrier. (See Figure 12)
6. Replace the component by referring to the removal procedure above.

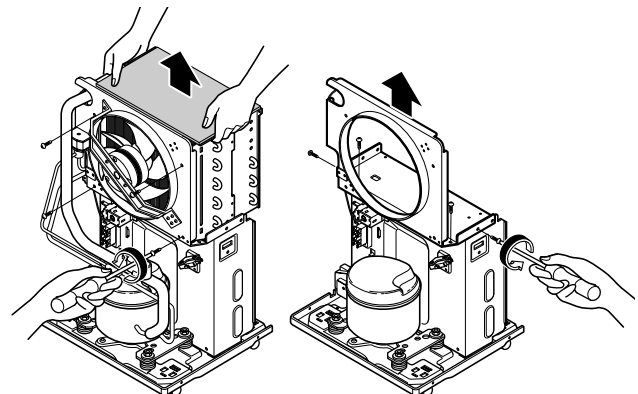


Figure 12

3.2.5 DRAIN PAN

1. Remove the shroud. (Refer to section 3.2.4)
2. Remove 2 screws which fasten drain pan.
3. Remove drain pan by unhooking both sides slots. (See Figure 13)
4. Replace the components by referring to the removal procedure above.

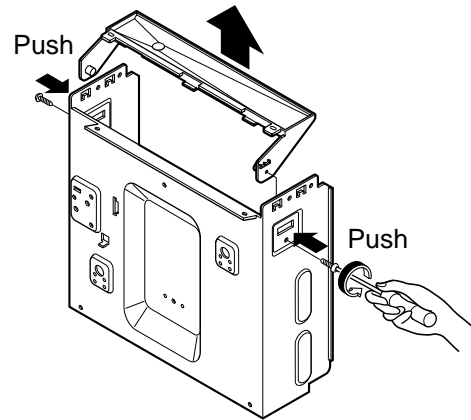


Figure 13

3.2.6 TERMINAL BLOCK

1. Remove the cabinet. (Refer to section 3.1.3)
2. Disconnect all the leads terminal block.
3. Unfasten the screw which fastens the terminal block. (See Figure 14)
4. Replace the components by referring to the removal procedure above.

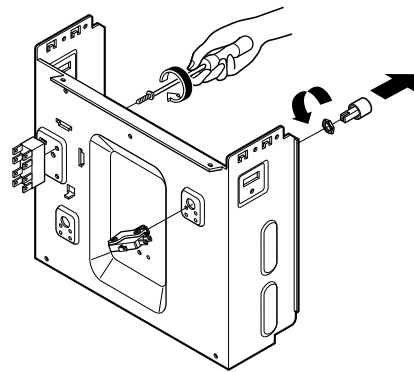


Figure 14

3.2.7 MICRO SWITCH ASSEMBLY

1. Remove the cabinet. (Refer to section 3.1.3)
2. Disconnect all the leads of micro switch assembly.
3. Turn the nut left and take off the micro switch assembly. (See Figure 14)
4. Replace the components by referring to the removal procedure above.

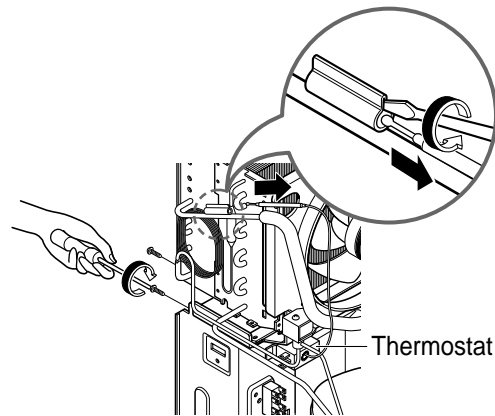


Figure 15

3.2.8 THERMOSTAT

1. Remove the cabinet. (Refer to section 3.1.3)
2. Disconnect all leads of thermostat.
3. Remove the THERMOSTAT. (See Figure 15)
4. Replace the components by referring to the removal procedure above.

3.2.9 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)
5. Replace the component by referring to the removal procedure above.

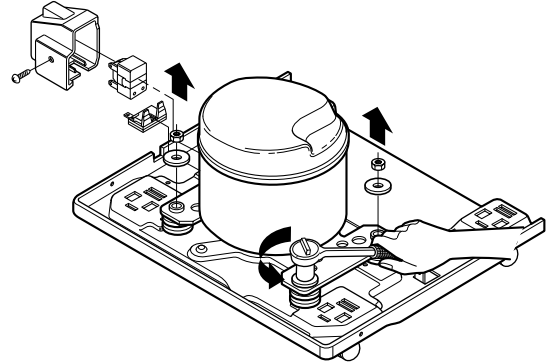


Figure 16

3.2.10 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)
5. Remove the compressor. (See Figure 16)
6. Replace the component by referring to the removal procedure above.

3.2.11 POWER CORD ASSEMBLY

1. Remove the cabinet. (Refer to section 3.1.3)
2. Remove a screw which fastens the earth wire of the power cord assembly. (See Figure 17)
3. Disconnect the lead wire from terminal block and micro switch assembly.
4. Remove the power cord assembly. (See Figure 17)
5. Replace the component by referring to the removal procedure above.

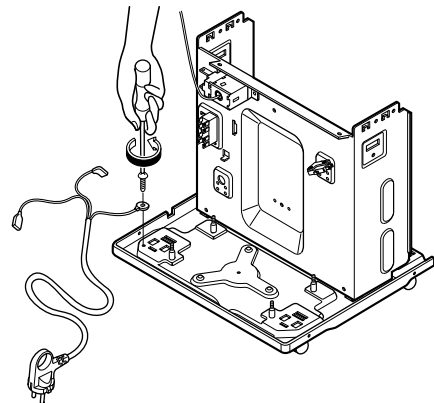


Figure 17

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)
9. Replace the component by referring to the note above.

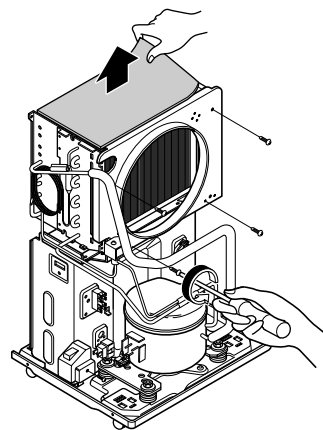


Figure 18

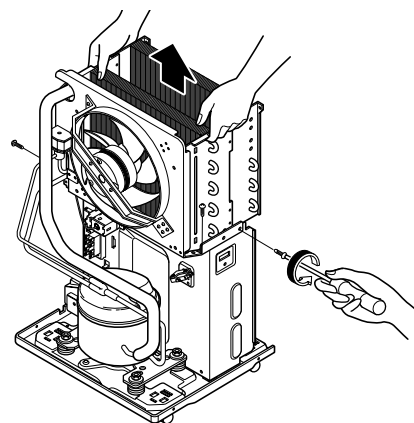


Figure 19

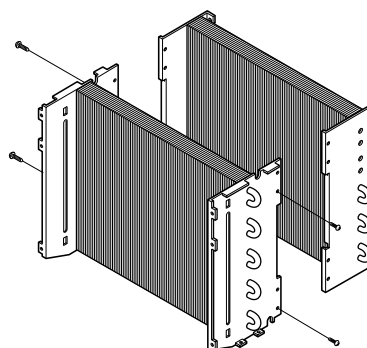


Figure 20

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)
3. Replace the component by referring to the note above.

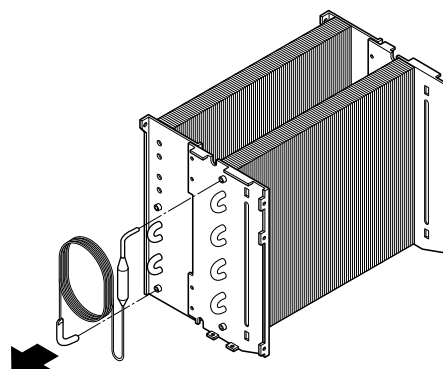


Figure 21

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 22B. 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 DHA1260HL/HR, DHA1660HL/HR.

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 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.

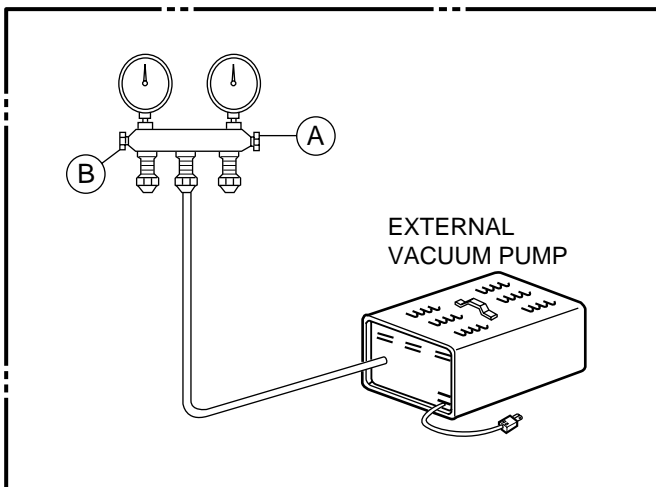
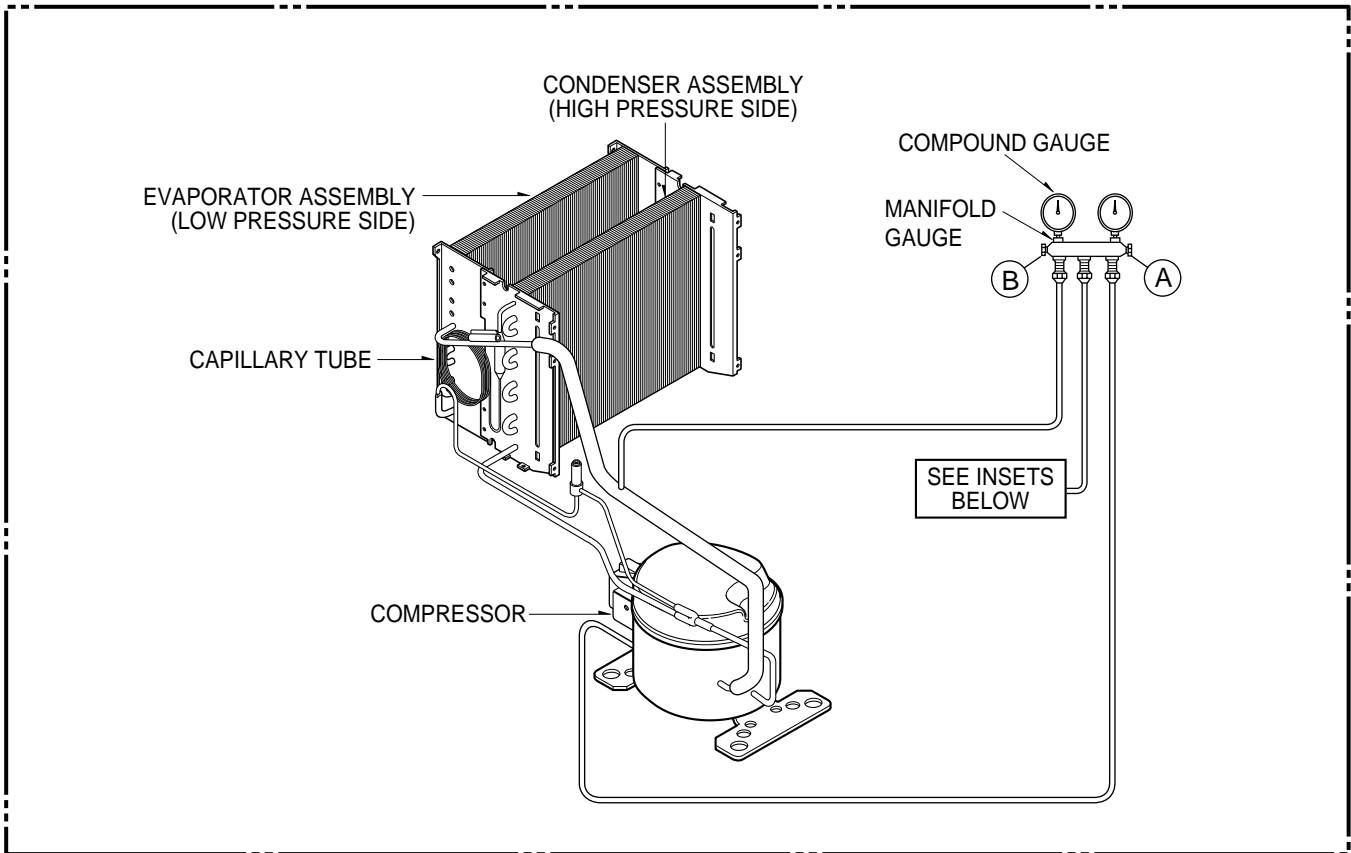


Figure 22A-Pulling Vacuum

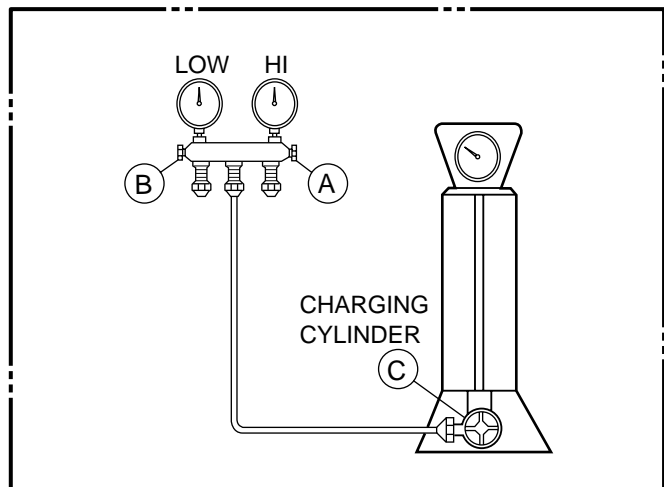



Figure 22B-Charging

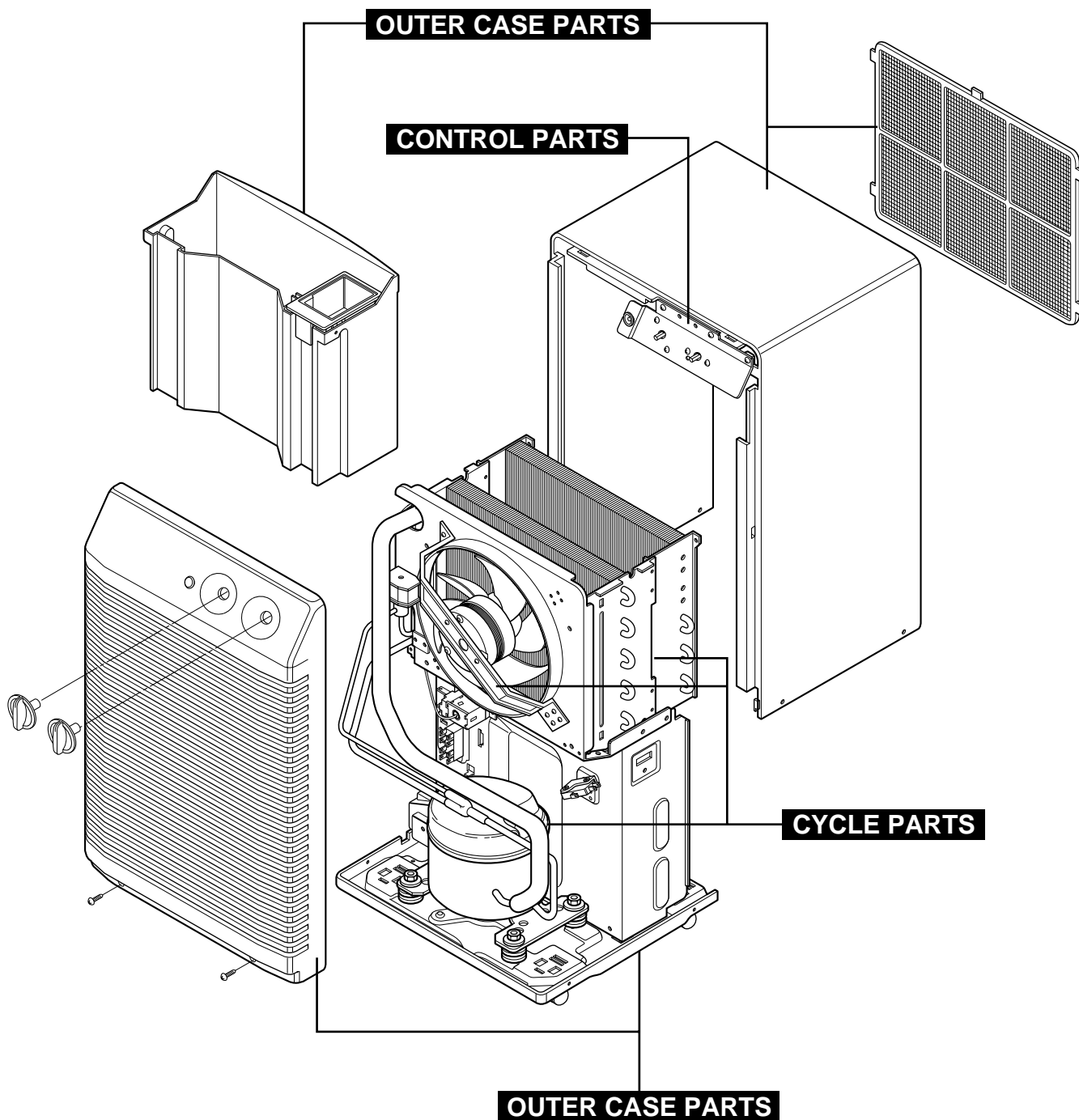
4. TROUBLESHOOTING GUIDE

<u>CONDITION</u>	<u>CAUSE</u>	<u>REMEDY</u>
The dehumidifier does not run.	Check if humidistat is set to a low level.	Set humidistat on a higher level.
	Check if bucket full lamp  is lit ON.	Empty the water in the bucket.
	Check circuit breaker.	Turn the circuit breaker on.
	Check if wiring fails.	Replace wiring.
Can not dehumidify.	Check if motor Assembly fails.	Replace motor Assembly.
	Check if compressor fails.	Replace compressor.
	Check if thermostat fails.	Replace thermostat.
	Check if wiring fails.	Replace wiring.
	Check if wiring loose.	Connect it tightly.
Ineffective dehumidifying	Check for gas leakage at heat exchange Assembly and connecting tube.	Repair gas leak.
	Check if the air filter are clogged with dust.	Clean the air filter.
Noisy	Check if the main unit is securely positioned.	Set and use the dehumidifier at a sturdy, flat, and level place.

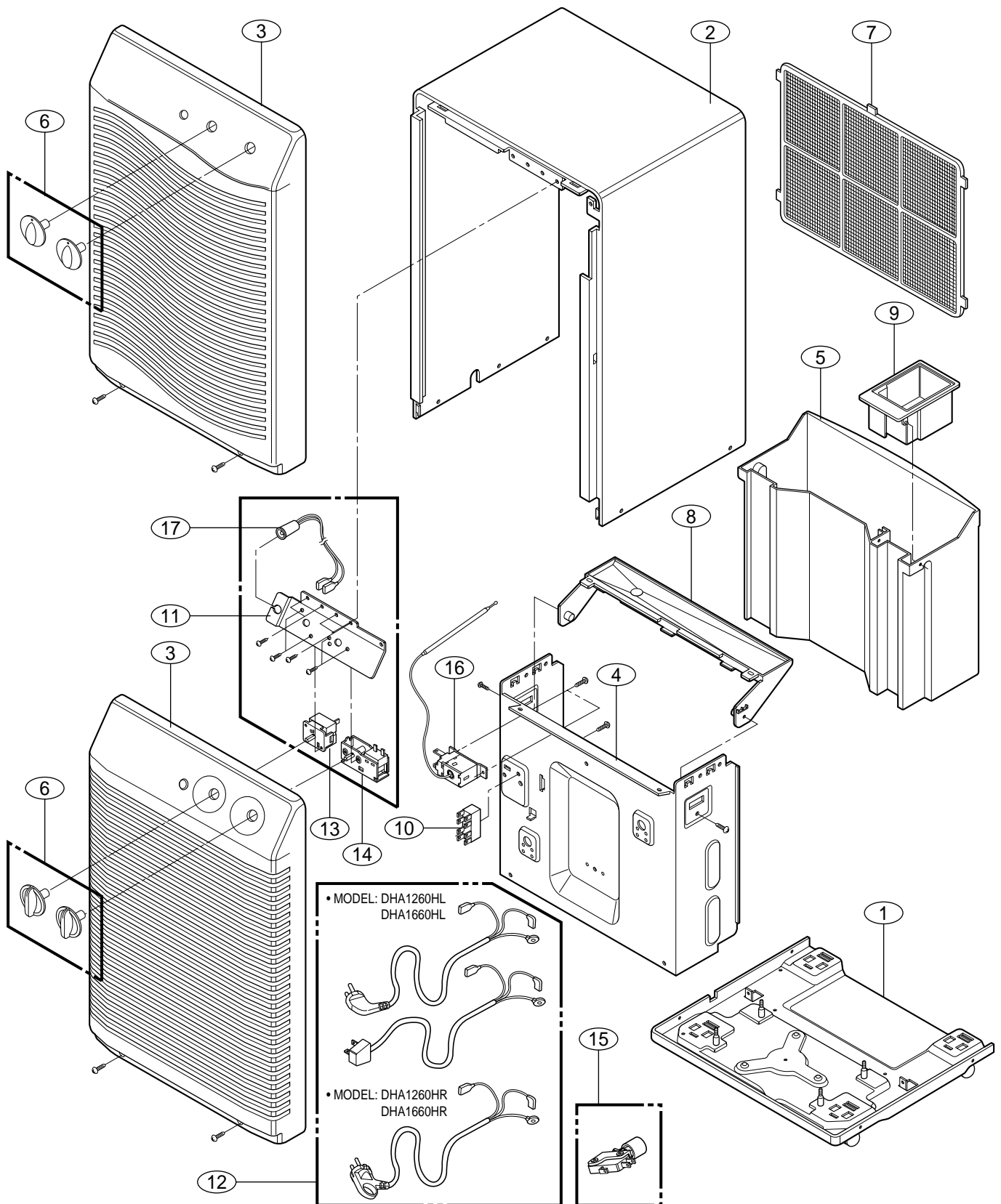
CONDITION	CAUSE	REMEDY
1. Dehumidifier does not operate. (Both compressor and fan motor do not operate.)	No power	Check power supply at outlet. Correct if none.
	Poor plug contact at outlet.	Install plug properly or replace it.
	Bucket is full.	If Auto Shut Off lights, empty the bucket.
	Humidity control 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.
2. Motor Assembly runs but compressor does not run.	Voltage (220 ~240V ± 10%)	It must be between 198V and 264V. 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.
	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. Thermostat does not start.	Thermostat is defective.	Check thermostat, 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.
7. Compressor cycles on overload protector. (O.L.P.)	High or low line voltage. (220~240V ± 10%)	Check line voltage. It must be between 198V and 264V 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.
	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.)

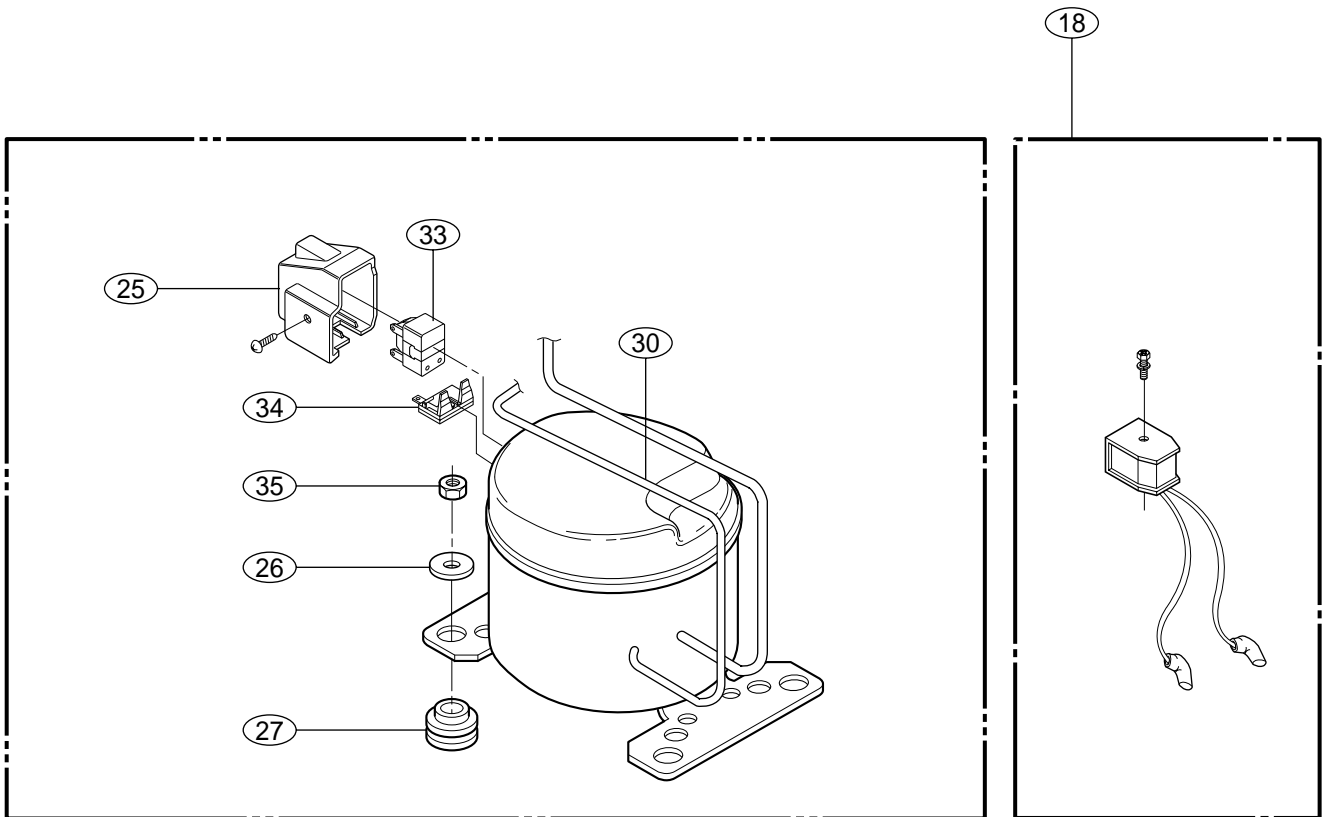
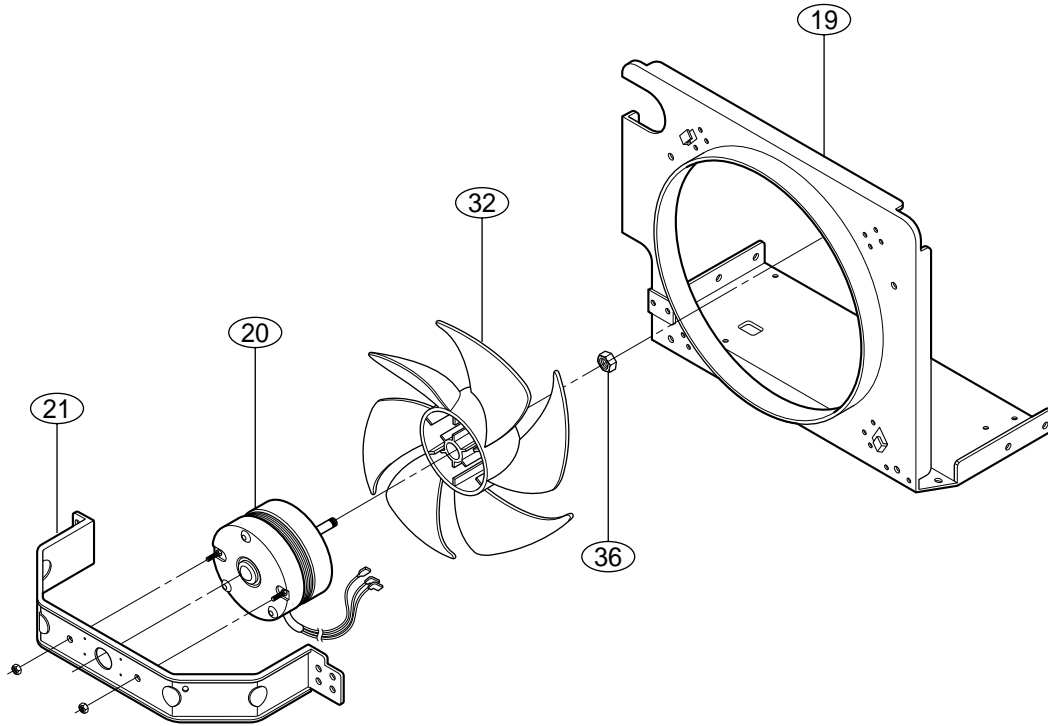
5. EXPLODED VIEW - INTRODUCTION



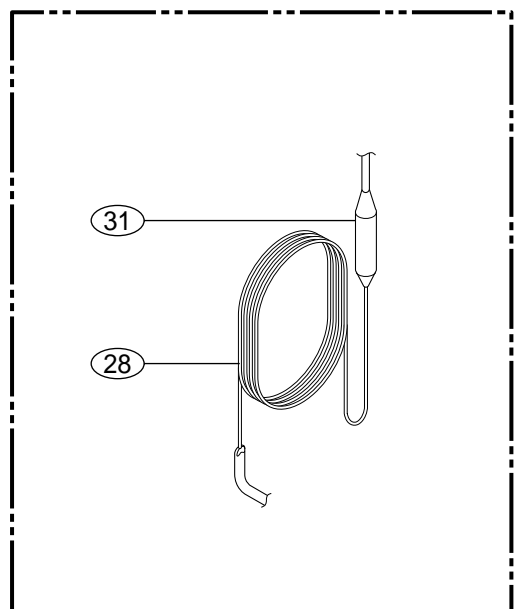
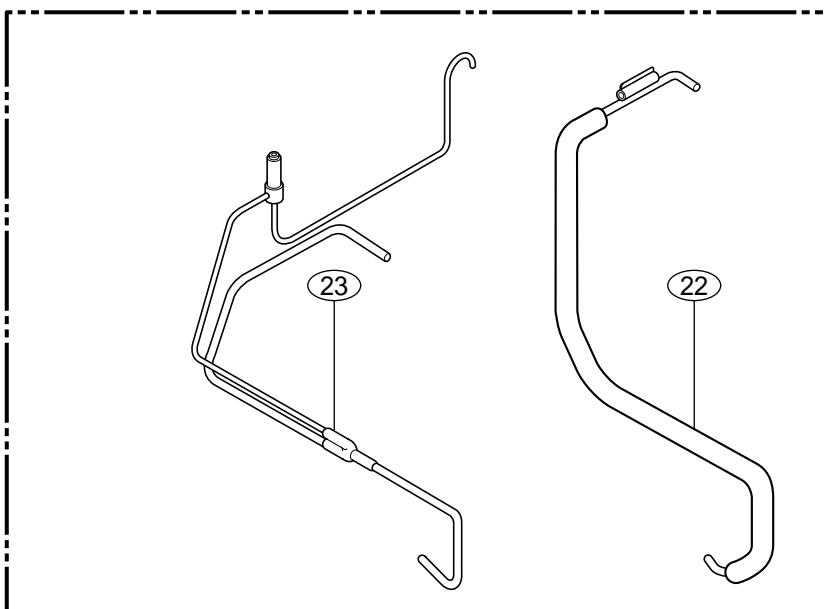
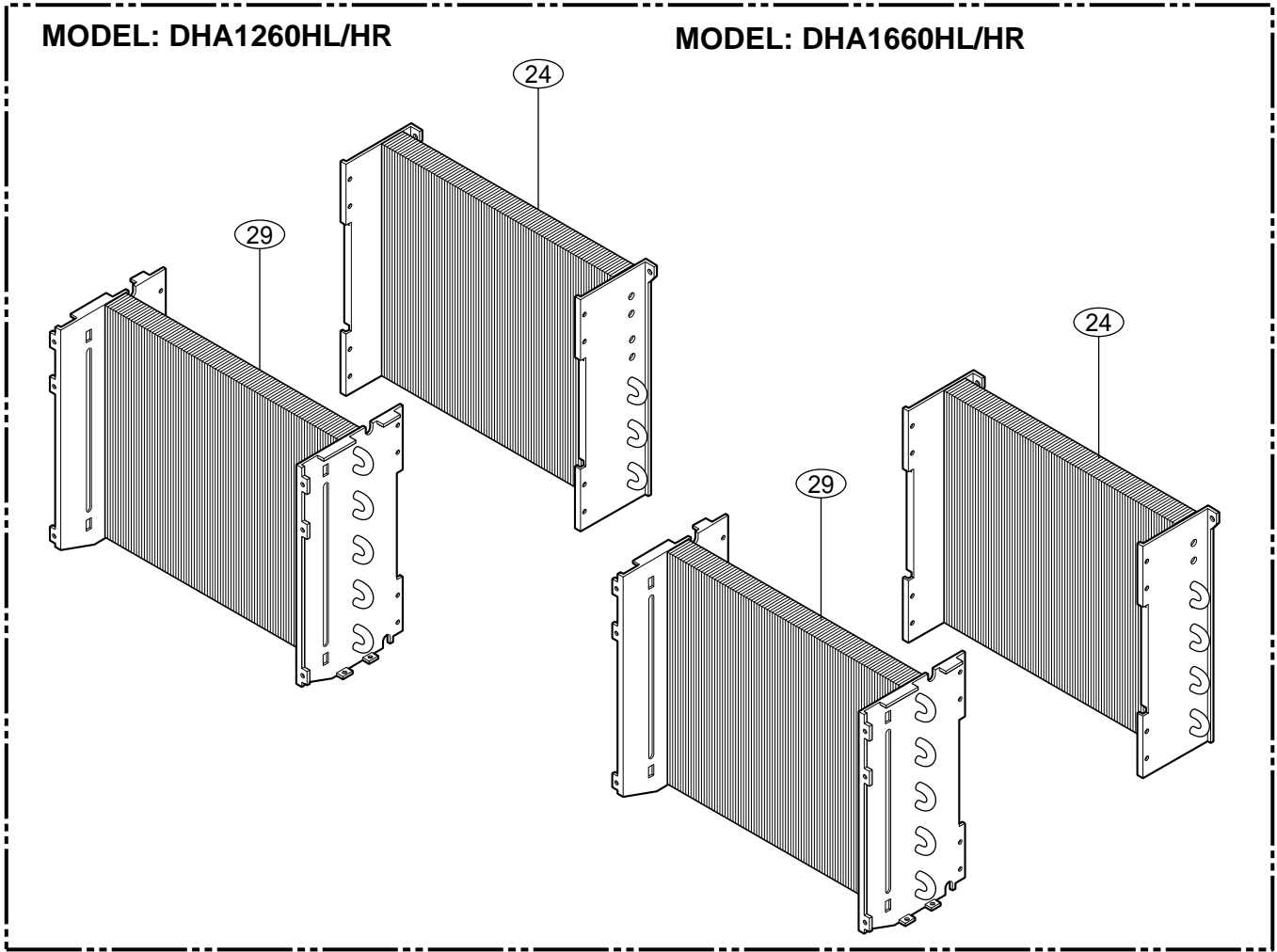
• OUTER CASE PARTS AND CONTROL PARTS



• CYCLE PARTS AND CONTROL PARTS



• CYCLE PARTS



6. REPLACEMENT PARTS LIST

• MODEL: DHA1260HL/HR

LOCATION NO.	PART NO.		DESCRIPTION	Q'TY PERSET	RE-MARKS
	DHA1260HL	DHA1260HR			
OUTER CASE PARTS					
1	3041AD2007E		BASE ASSEMBLY WELD [SINGLE]	1	R
2	3090A10001E	3090A10001E	CABINET	1	R
3	3531A20012C	3531A20014D	GRILLE ASSEMBLY, FRONT	1	R
4	4790AD2003B		BARRIER, SINGLE	1	R
5	4838A10001A	4838A10001A	TANK, BUCKET	1	R
6	4941A30002A	4941A30008A	KNOB ASSEMBLY	2	R
7	5230AD3005A	5230AD3005A	FILTER MECH, AIR	1	R
8	3086AD2014C	3086AD2014F	DRAIN PAN	1	R
9	4768A30001A	4768A30001A	FLOAT	1	R
10	3H00390A		TERMINAL, BLOCK	1	R
CONTROL PARTS					
11	3720AD3004A		PANEL, CONTROL	1	R
12	6411A20001B	6411A20001B	POWER CORD ASSEMBLY	1	R
13	6600A20001A		SWITCH, ROTARY	1	R
14	5216A20001A		HUMIDISTAT	1	R
15	6600A30003B		SWITCH ASSEMBLY, MICRO	1	R
16	2H01127F		THERMOSTAT ASSY	1	R
17	6912A30001B		LAMP, NEON	1	R
18	6421A90001C		SOLENOID COIL	1	R
CYCLE PARTS					
19	4998AD2002A		SHROUD	1	R
20	4681A20002D		MOTOR ASSEMBLY, SINGLE	1	R
21	4960AD3003A		MOUNT, MOTOR	1	R
22	5211A30195A		TUBE ASSEMBLY, SUCTION	1	R
23	5211A30194A		TUBE ASSEMBLY, DISCHARGE	1	R
24	5421A20004D		EVAPORATOR ASSEMBLY	1	R
25	3550C-0021A		COVER, P.T.C.	1	R
26	4H00972G		WASHER, PLAIN	4	R
27	5040AR4195A		ISOLATOR, COMP.	4	R
28	5211A30008D		TUBE ASSEMBLY, CAPILLARY	1	R
29	5403A20001C		CONDENSER ASSEMBLY	1	R
30	5416A20009A		COMPRESSOR, RECIPRO	1	R
31	5851A30001A		DRIER ASSEMBLY	1	R
32	5900AD2013A		FAN ASSEMBLY, PROPELLER	1	R
33	6748C-0003C		P.T.C. ASSEMBLY	1	R
34	6750C-0005M		O.L.P.	1	R
35	1NHA0801206		NUT, HEXAGON (1)	4	R
36	4H02861A		FAN NUT	1	R

※ S: SERVICE PARTS

A: ALTERNATE PARTS

N: NOT SERVICE PARTS

• **MODEL: DHA1660HL/HR**

LOCATION NO.	PART NO.		DESCRIPTION	Q'TY PERSET	RE-MARKS
	DHA1660HL	DHA1660HR			
OUTER CASE PARTS					
1	3041AD2007E		BASE ASSEMBLY WELD [SINGLE]	1	R
2	3090A10001E	3090A10001E	CABINET	1	R
3	3531A20012C	3531A20014D	GRILLE ASSEMBLY, FRONT	1	R
4	4790AD2003B		BARRIER, SINGLE	1	R
5	4838A10001A	4838A10001A	TANK, BUCKET	1	R
6	4941A30002A	4941A30008A	KNOB ASSEMBLY	2	R
7	5230AD3005C	5230AD3005A	FILTER MECH, AIR	1	R
8	3086AD2014F	3086AD2014F	DRAIN PAN	1	R
9	4768A30001A	4768A30001A	FLOAT	1	R
10	3H00390A		TERMINAL, BLOCK	1	R
CONTROL PARTS					
11	3720AD3004A		PANEL, CONTROL	1	R
12	6411A20001B		POWER CORD ASSEMBLY	1	R
13	6600A20001A		SWITCH, ROTARY	1	R
14	5216A20001A		HUMIDISTAT	1	R
15	6600A30003B		SWITCH ASSEMBLY, MICRO	1	R
16	2H01127E		THERMOSTAT ASSY	1	R
17	6912A30001B		LAMP, NEON	1	R
18	6421A90001C		SOLENOID COIL	1	R
CYCLE PARTS					
19	4998AD2002A		SHROUD	1	R
20	4681A20002D		MOTOR ASSEMBLY, SINGLE	1	R
21	4960AD3003A		MOUNT, MOTOR	1	R
22	5211A30195B		TUBE ASSEMBLY, SUCTION	1	R
23	5211A30194A		TUBE ASSEMBLY, DISCHARGE	1	R
24	5421A20004E		EVAPORATOR ASSEMBLY	1	R
25	3550C-0022A		COVER, P.T.C.	1	R
26	4H00972G		WASHER, PLAIN	4	R
27	5040AR4195A		ISOLATOR, COMP.	4	R
28	5211A30008D		TUBE ASSEMBLY, CAPILLARY	1	R
29	5403A20001D		CONDENSER ASSEMBLY	1	R
30	5416A20009B		COMPRESSOR, RECIPRO	1	R
31	5851A30001A		DRIER ASSEMBLY	1	R
32	5900AD2013A		FAN ASSEMBLY, PROPELLER	1	R
33	6748C-0003C		P.T.C. ASSEMBLY	1	R
34	6750C-0002R		O.L.P.	1	R
35	1NHA0801206		NUT, HEXAGON (1)	4	R
36	4H02861A		FAN NUT	1	R

※ S: SERVICE PARTS

A: ALTERNATE PARTS

N: NOT SERVICE PARTS

