BC112G

Wine Cooler

Service Manual



HVF020ABB
HVF020ABL
HVF030ABB
HVF046ABB
HVF042ABL
HVFM020ABB
HVFM030ABB

●Features

●Optimized for Preservation of Wine Flavors.

●Temperature adjustable,electrical control .

●Temperature range:A-3～A+3℃(A=7～15).

●Interior lights.

●wine rack.

Haier Group

Manual No.:JC-A(A) Edition: 20030108

Contents

1. Contents…… …… 1
2. Product Code illustration and Series Introduction…… . …2
3. Features ……...3
4. Specifications……4
5. Safety Precautions(including Warning and Cautions)……..…....5
6. Net Dimension……..……....7
7. Installation and Accessory Parts…… ……..……8
8. Parts and Functions…… ……13
9. System Flow Chart……...……14
10. Function Schedule…….. ……15
11. Circuit Diagram…….……16
12. Maintenance Service and Trouble Shooting……..…..…17
13. Exlpoded View and List of Parts……..…….. ..……20

Product Code illustration and Series Introduction

HVF□□□AB□

A B C D E FG H

A:The abbreviation of “Haier”

B:Stands for the “wine”

C: The first letter of “Freezer”

D:If it is “M”,it stands for “Mechanical thermostat control” ;Or else “0” stands for”macrocomputer control”.

E: The most of the bottles which may hold in the cabinet.

F:It means the first improvement of technology.

G:The color of the cabinet is Black.

H:”B” stands for the color of the door and the shelves are Black; “L” stands for the the color of the door and the shelves are “Silver”.

Examples:

HVF020ABB

-It represents wine cooler with 20 bottles,controlled by Control Panel,with the black cabinet,black door and black shelves.

HVFM20ABB

-It represents wine cooler with 20 bottles,controlled by mechanical thermostat,with the black cabinet,black door and black shelves

Features

1. Optimized for Preservation of Wine Flavors

The wine cooler can be set to any temperature you desire to accommodate your wine storage requirements.

2. Temperature adjustable.

The wine cooler can be set to any temperature you desire to accommodate your wine storage requirements.

3. Temperature range:A-3～A+3℃(A=7～15).

4.Interior lights.

To complement the look of your wine collection, soft light has been built into the wine cooler. Simply push the “Light/Set” button on the electronic controlled unit, and the light comes on, push again for off. On the mechanical control units ,the light switch is on the front for your convenience. For maximum energy efficiency, leave light off when not viewing your collection.

5.wine rack.

The shelves are designed for flexibility and easy cleaning. To accommodate different sized bottles the shelves slide out and can be moved up or down into any of the tracks molded into the cooler cabinet. Larger bottles or Magnums can be more easily accommodated on the cross shelves of the bottom basket of the cooler, You will notice that the shelves are designed so the bottles do not line-up directly over one another, This allows free air movement and provides more space.

Specifications

Model	HVF020ABB/ HVFM20ABB	HVF030ABB/HVFM30ABB/HVF042ABL	HVF046ABB/HVF060ABL
Capacity(Cubic Feet)	2.9	4.0	5.37
Power Supply(V/Hz)	220-230V~/50Hz	220-230V~/50Hz	220-230V~/50Hz
Power Consumption(kW.h/year)	251.9	270.1	288.3
Unit Dimersion(W*D*H)	506*550*780	506*550*980	506*550*1280
Unit Weight(Lbs.)	34	45	49
Box Dimensions(W*D*H)	586*616*810	586*616*1010	586*616*1310
Box Weight(Lbs)	37	50	54
Container Quantity(40HC')	234	156	156

Safety Precautions

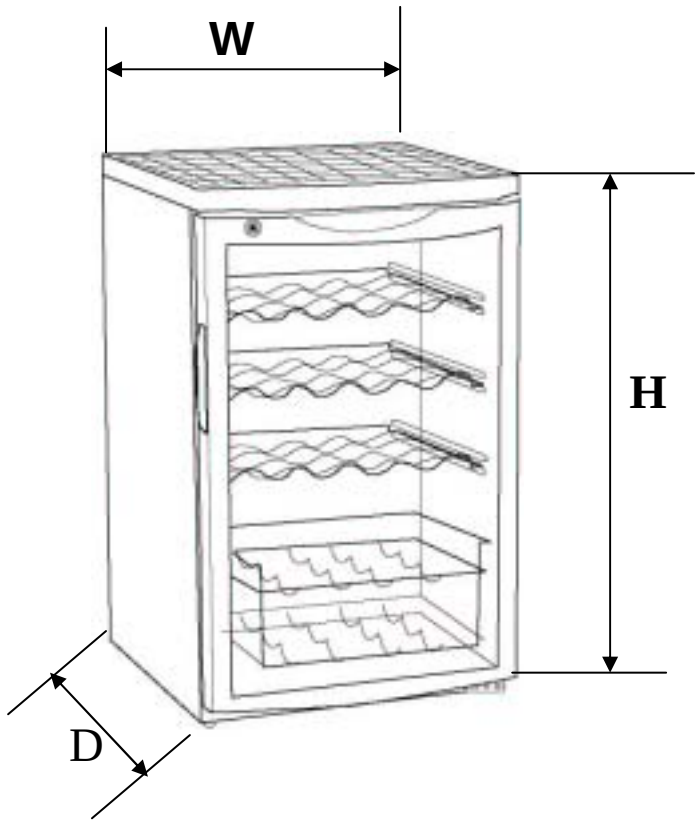
Read all of the instructions before using this appliance. When using this appliance ,always exercise basic safety precautions, including the following:

1. **Use this appliance only for its intended purpose as described in this use and care guide.**
2. **This wine cooler must be properly installed in accordance with the installation section. instructions before it is used ,See grounding instructions in the installation section.**
3. **Never unplug your wine cooler by puling on the power cord, Always grasp the plug firmly and pull straight out from the outlet.**
4. **Repair or replace immediately, all electric service cords that have become frayed or otherwise damaged ,Do not sue a cord that shows cracks or abrasion damage along its length, the plug or the connector end.**
5. **Unplug your wine cooler before cleaning or before making any repairs, Note: If for any reason this product requires service ,we strongly, recommend that a certified technician performs the service.**
6. **If your old wine cooler is not being used, we recommend that you remove the door and leave the shelves in place ,This will reduce the possibility of danger to children.**
7. **This wine cooler should not be recessed or built-in an enclosed**

cabinet ,It is designed for freestanding installation only

8. **Do not operate your wine cooler in the presence of explosive fumes.**
9. **Do not store foods in wine cooler as interior temperature may not be cool enough to prevent spoilage.**

Net Dimesion



Model	HVF020ABB/ HVFM20ABB	HVF030ABB/HVF M30ABB/HVF042 ABL	HVF046ABB/HV F060ABL
Unit Dimersion(W*D*H)	506*550*780	506*550*980	506*550*1280
Dimersion (Opening door:135^0)	506*950*780	506*950*980	506*950*1280

INSTALLATION AND ACCESSORY PARTS

Unpacking Your Wine Cooler

1.Remove all packaging material, This includes the foam base and all adhesive tape holding the wine cooler accessories inside and outside ,compressor from shipping damage due to vibration and shock.

2.Inspect and remove any remains of packing ,tape or printed materials before powering on the wine cooler.

Leveling Your Wine Cooler

Your wine cooler has four leveling legs which are located in the front and rear Corners of your wine cooler . After properly placing your wine cooler in its final position ,you can level your wine cooler.

Leveling cooler or by turning them clockwise to lower your wine cooler, The wine cooler door will close easier when the leveling legs are extended.

Proper Air Circulation

- To assure your wine cooler works at the maximum efficiency it was designed for ,you should install it in a location where there is proper air circulation ,plumbing and electrical connections.
- The following are recommended clearances around the wine cooler:

Sides……..2”(50mm)

Top ……2”(50mm)

Back……..2”(50mm)

- Do not over fill your wine cooler for proper internal air circulation.

Electrical Requirement

- Make sure there is a suitable power Outlet(115 volts, 15 amps outlet)with proper grounding to power the wine cooler.
- Avoid the use of three plug adapters or cutting off the third grounding in order to accommodate a two plug outlet ,This is a dangerous practice since it provides no effective grounding for the wine cooler and may result in shock hazard.

Install Limitations

- Do not install your wine cooler in any location not properly insulated or heated e.g. garage etc, Your wine cooler was not designed to operate in temperature settings below 55^{o}F.
- Select a suitable location for the wine cooler on a hard even surface away from direct sunlight or heat source e.g. radiators, baseboard heaters, cooking appliances etc, Any floor unevenness should be corrected with the leveling legs located on the front and rear bottom corners of the wine cooler.
- Your wine cooler is designed for free-standing installation only, It is not designed for built-in application.

Initial Setup

Electronic Controlled Units

Once you have plugged the unit into an electrical outlet, Let the unit run for at least 30 minutes to acclimate itself before making any adjustments, during this time the Red Wine light may stay on.

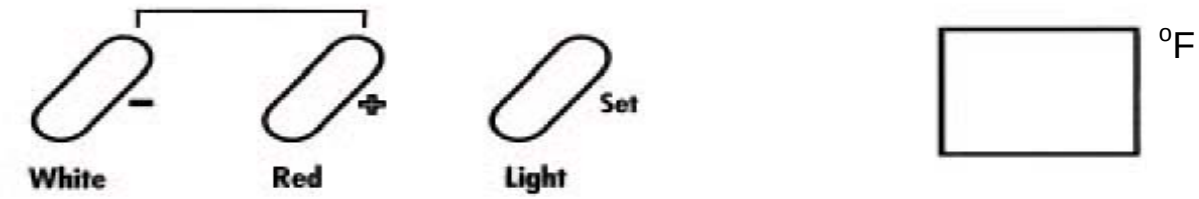
Mechanical Controlled Units:

The control for this is on the back of the unit. There are 6 settings plus 0 (OFF). Initially set the temperature setting to 3. Let the unit run for at least 30 minutes to acclimate itself before making any adjustments.

Temperature Adjustments:

Electronic control unit: See fig.#1

fig. # 1



● The wine cooler is preset from the factory to automatically accommodate temperature requirements for red or white wines. If you store mostly white wines, press the "White Wine" button and the wine cooler will maintain an average temperature between 45° to 50° F. Pushing the "Red Wine" button will yield an average temperature between 55° to 60° F.

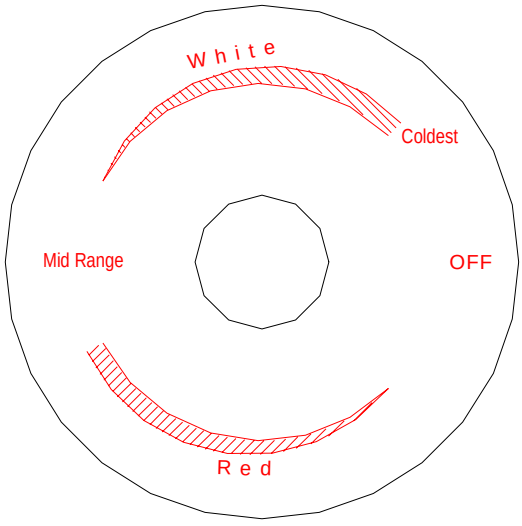
● The wine cooler can be set to any temperature you desire to accommodate your wine storage requirements. To set the temperature, press both the "White Wine" and "Red Wine" buttons simultaneously and hold for approximately 3 seconds. Now you are in temperature set mode. Decrease the temperature by pushing the "White Wine" button and increase the temperature by pressing the "Red Wine" button. Pressing the appropriate

button 3 times will adjust the temperature 3 degrees, press 4 times equals 4 degrees, 5 times equals 5 degrees, and so on. Once you have selected the temperature you desire, push the "Light/Set" button. Now the wine cooler is programmed and the LED readout will return to current internal temperature reading

- There will be a 3 degree variance +/- between the temperature you select and the temperature indicated on the LED readout. This occurs because the wine cooler activates and deactivates trying to maintain your desired temperature. There is often a 10° variance between the top and bottom shelves of the wine cooler. Therefore, if you have set the wine cooler for 50° and have a mix of red and white wines, you may want to put the white wine on the bottom shelf where the temperature will be 45° F, and place the red wine on the top shelf where the temperature will be 55° F.

Mechanical Control Unit: See fig. # 2

Fig. #2 :



- Your wine cooler has a temperature control knob on the back of the unit.

There are 6 settings: 1 being the warmest and 6 being the coolest. You can set the temperature of your wine cooler at any setting you desire.

Shelving

- The shelves are designed for flexibility and easy cleaning. To accommodate different sized bottles the shelves slide out and can be moved up or down into any of the tracks molded into the cooler cabinet. Larger bottles or Magnums can be more easily accommodated on the cross shelves of the bottom basket of the cooler, You will notice tat the shelves are designed so the bottles do not line-up directly over one another, This allows free air movement and provides more space.

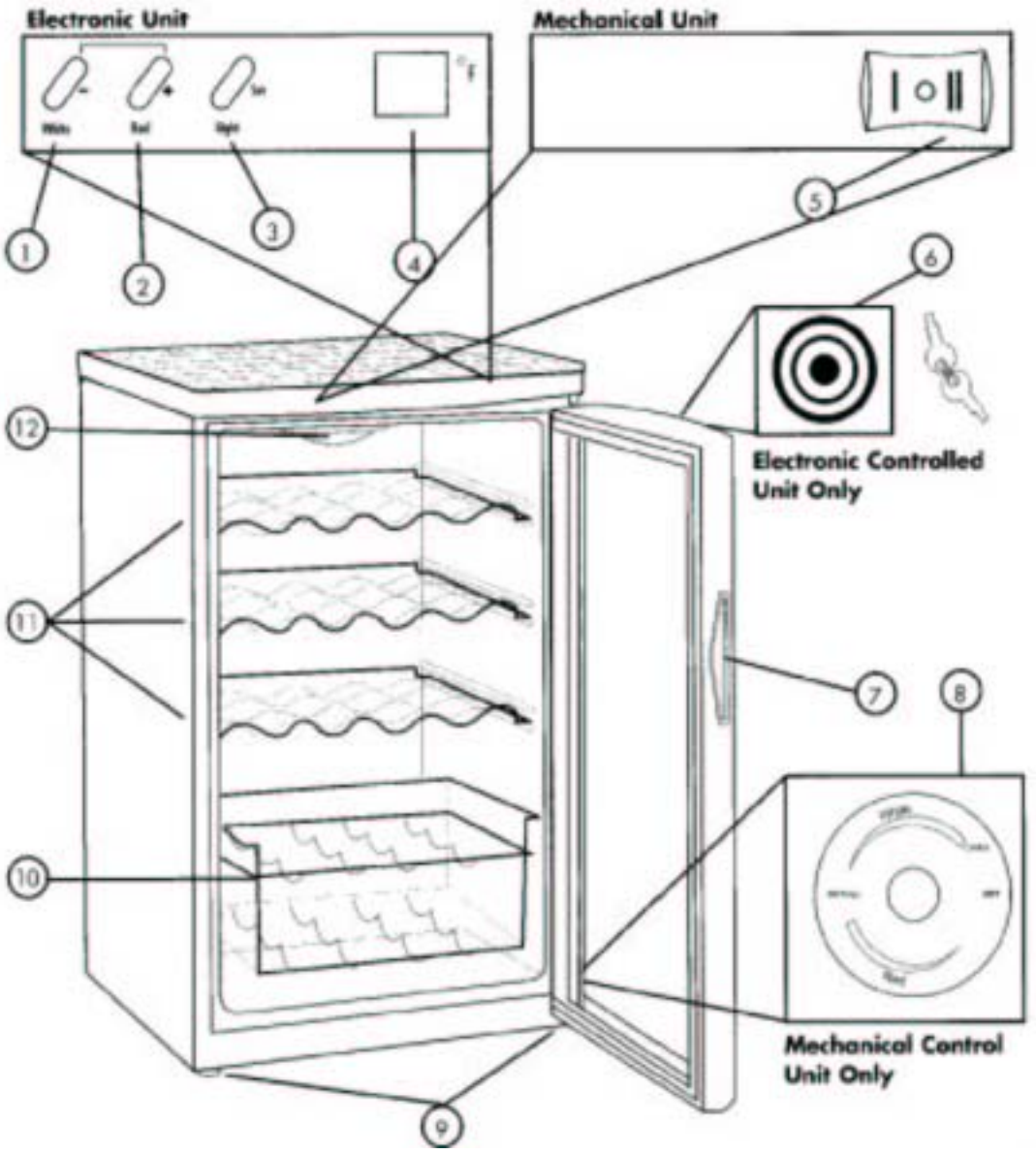
Interior Light

To complement the look of your wine collection, soft light has been built into the wine cooler. Simply push the “Light/Set” button on the electronic controlled unit, and the light comes on, push again for off. On the mechanical control units ,the light switch is on the front for your convenience. For maximum energy efficiency, leave light off when not viewing your collection.

Door lock (electronic controlled unit only)

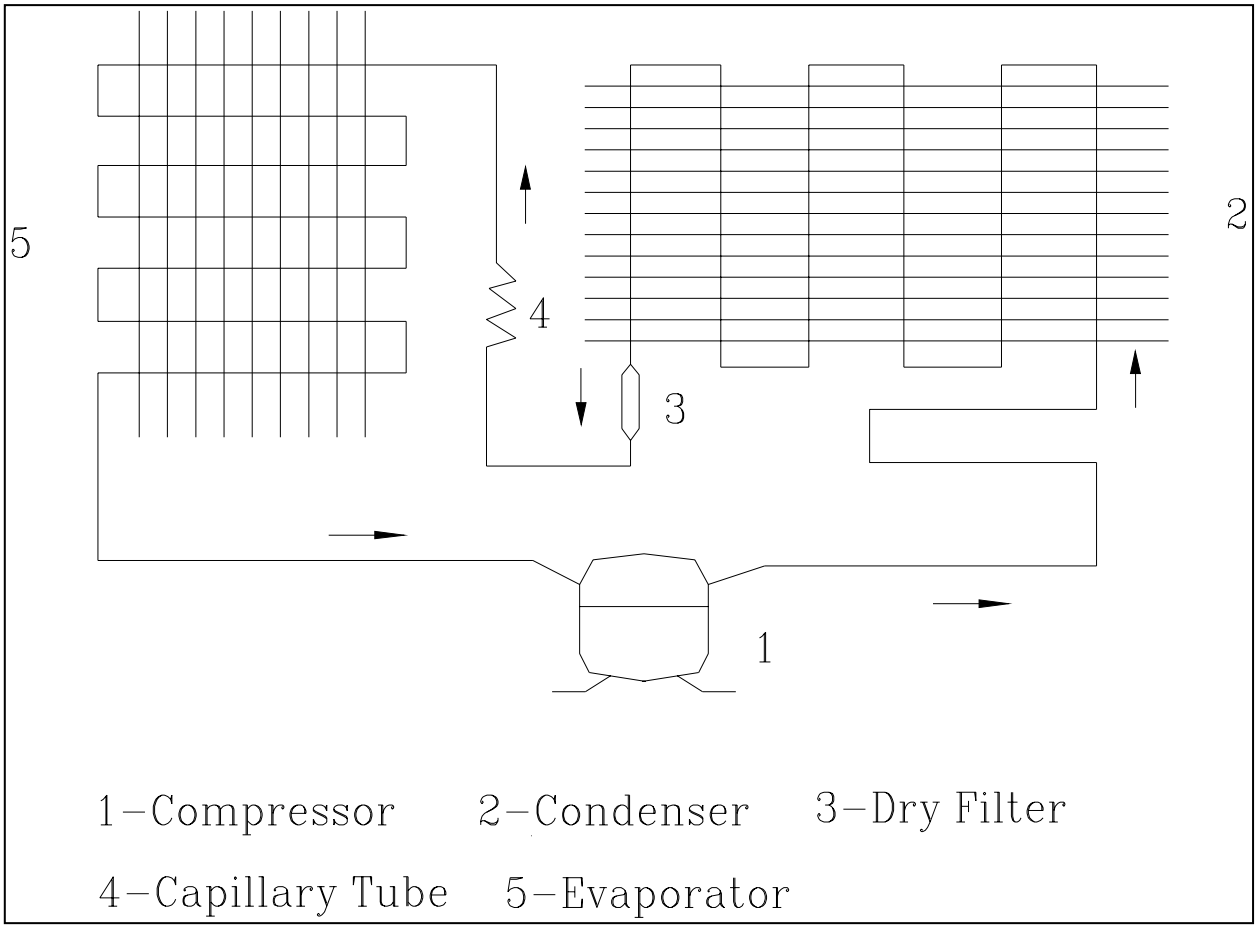
- For safety and security, your wine cooler is equipped with a door lock. To eliminate the risk of accidental child entrapment, the lock was designed so that the door will not lock until the key is removed (consistent with VDE requirements).

Parts and Functions



	1	2	3	4	5	6	7	8	9	10	11	12
HVF020ABB	●	●	●	●		●	●		●	●	●	●
HVFM30ABB					●		●	●	●	●	●	●
HVF030ABB	●	●	●	●		●	●		●	●	●	●
HFVM30ABB					●		●	●	●	●	●	●
HVF042ABL	●	●	●	●		●	●		●	●	●	●
HVF046ABB	●	●	●	●		●	●		●	●	●	●
HVF060ABL	●	●	●	●		●	●		●	●	●	●

System Flow Chart



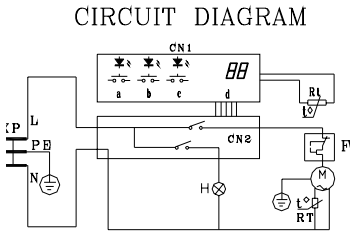
Function Schedule for the Electronic Controlled Wine Cooler

Function	Description
white	Press the “white wine” button
red	Press the “red wine” button
light	Press the “light” button

The illustration of the function in the subject of “Temperature Adjustments” of “Installation and Accessory Parts”.

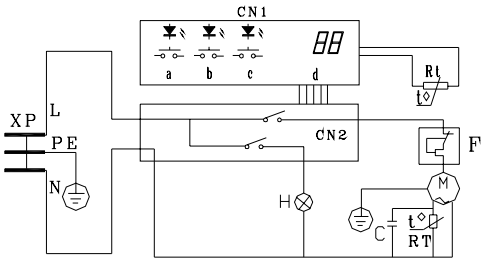
Circuit Diagram

HVF020ABB/HVF042ABL



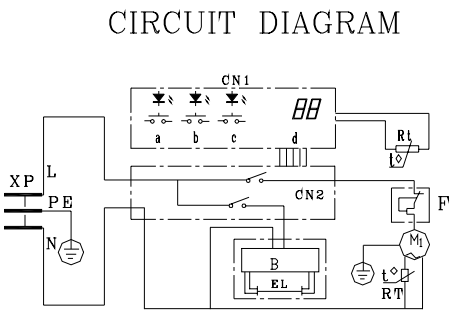
P-Power Plug CN1-Control Panel For Showing
b-Red c-Light RT-Starting Relay
a-White
Temperature Show CN2-Main Control Panel
Rt-Temperature Sensor
Motor Protector M-Compressor

HVF046ABB/HVF060ABL



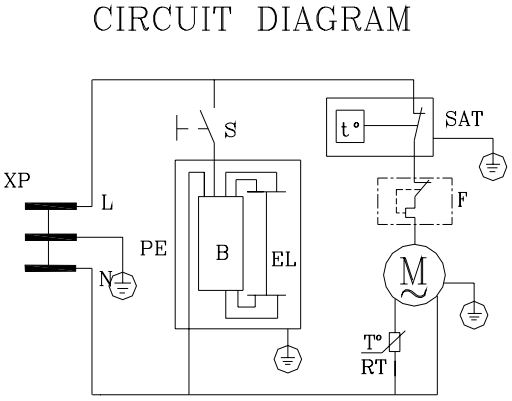
XP-Power Plug CN1-Control Panel For Showing
a-White b-Red c-Light RT-Starting Relay
d-Temperature Show CN2-Main Control Panel
H-Lamp Rt-Temperature Sensor
F-Motor Protector M-Compressor

HVF030ABB



XP-Power Plug CN1-Control Panel For Showing
a-White Wine b-Red Wine c-Lighting
d-Temperature Show CN2-Main Control Panel
EL-Lighting Lamp Rt-Temperature Sensor
F-Motor Protector M-Compressor RT-Starting Relay

HVFM20ABB/HVFM30ABB



XP-Power Plug S -Lamp Switch B-Ballast
EL-Fluorescent Lamp SAT-Thermostat C-Capacitor
M-Compressor F-Motor Protector RT-Starting Relay

Maintenance Service and Trouble Shooting

Cleaning and Maintenance

Warning: To avoid electric shock always unplug your wine cooler before cleaning, Lgnoring this warning may result in death or injury.

Caution: Before using cleaning products, always read and follow manufacture's instructions and warnings to avoid personal injury or product damage.

General:

- Prepare a cleaning solution of 3-4 tablespoons of baking soda mixed with warm water, Use sponge or soft cloth, dampened with the cleaning solution, to wipe down your wine cooler.
- Rinse with clean warm water and dry with a soft cloth.
- Do not use harsh chemicals, abrasives, ammonia, chlorine bleach, concentrated detergent solvents or metal scouting pads ,SOME of these chemical may dissolve , damage and/or discolor your wine cooler.

Door Gaskets:

- Clean door gaskets every three months according to general instructions, Gaskets must be kept clean and pliable to assure a proper seal,
- Petroleum jelly applied lightly on the hinge side of gaskets will keep the gasket pliable and assure a good seal.

Power Interruptions

- Occasionally there may be power interruptions due to thunderstorms or other

Maintenance Service and Trouble Shooting

causes, Remove the power cord from AC outlet when a power outage occurs, When power has been restored ,replug power cord to AC outlet.

Vacation and Moving Care

- **For ling vacations or absences ,unplug the wine cooler and clean the wine cooler and door gaskets according to “General cleaning “ section, Prop doors open, so air can circulate inside. When moving always move the wine cooler vertically, Do not move with the unit lying down, Possible damage to the sealed system could occur.**

Trouble Shooting

Normal Operating Sounds You May Hear

- Boiling water, gurgling sounds or slight vibrations that are the result of the refrigerant circulating through the cooling coils.
- The thermostat control will click when it cycles on and off.

Wine Cooler Does Not Operate

- Check if wine cooler is plugged in.
- Check if there is power at the ac outlet ,by checking the circuit breaker.

Wine appears too warm

- Frequent door openings.
- Allow time for recently added wine to reach desired temperature.
- Check gaskets for proper seal.
- Clean condenser coils.
- Adjust temperature control to colder setting.

Wine temperature is too cold.

- If temperature control setting is too cold, adjust to a warmer setting.

Maintenance Service and Trouble Shooting

Wine cooler runs too frequently

- This may be normal to maintain constant temperature during high temperature and humid days.
- Doors may have been opened frequently or for an extended period of time .
- Clean condenser coils,
- Check gasket for proper seal.
- Check to see if doors are completely closed.

Moisture build up on interior or exterior of the wine cooler:

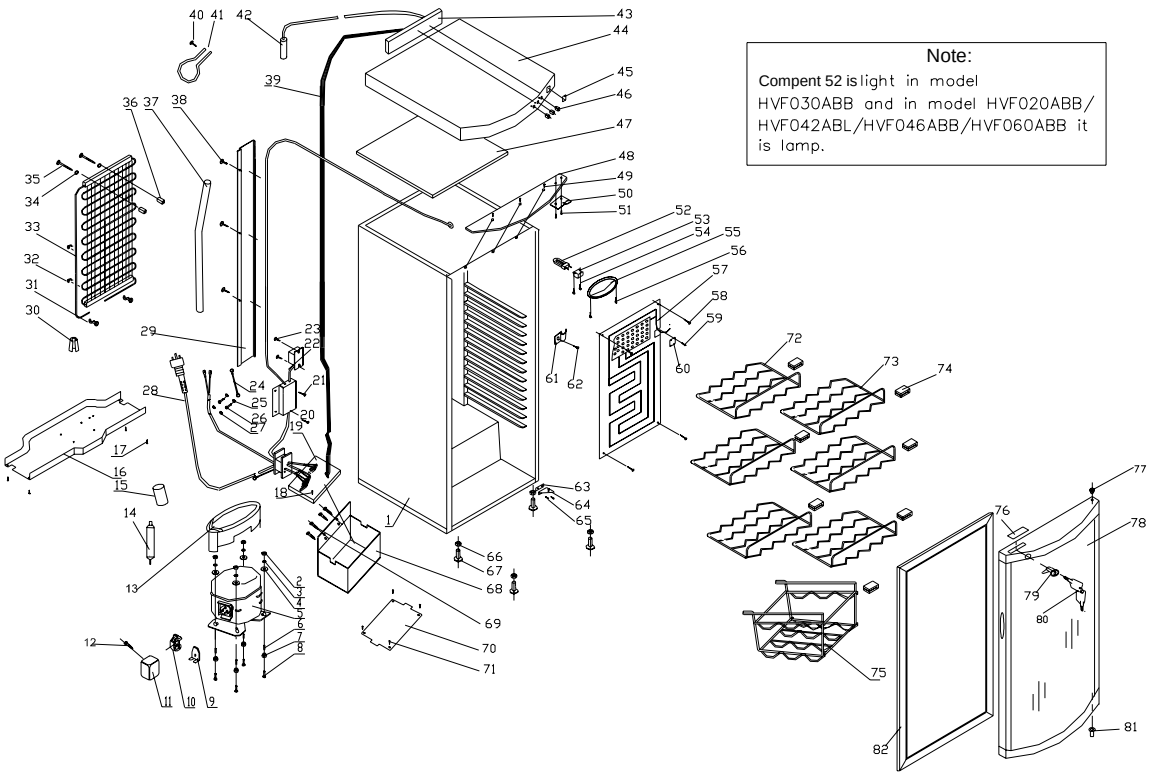
- This is normal during high humidity periods.
- Prolonged or frequent door openings.
- Check door gaskets for proper seal.

Wine Cooler door does not shut properly:

- Level the wine cooler.
- Check for blockages e.g. wine bottles, shelves.

Model:HVF020ABB/HVF030ABB/HVF042ABL/HVF046ABB/HVF060ABL **Manual No.:**JC-A(A) **Edition:20030108**

Explode View



Page 1 of 1

LIST OF PARTS

List of Parts

No.	Parts code	parts name	Model	QTY.	remark
1	0070801135	Foam cabinet	HVF046ABB/HVF060ABB	1	
	0070801161		HVF020ABB		
	0078020025		HVF030ABB/HVF042ABB		
2	0075020097	Fixing nut	HVF020ABB/HVF030ABB/HVF042ABL	4	
	0075020053		HVF046ABB/HVF060ABL		
3	0075020096	Spring spacer	HVF020ABB/HVF030ABB/HVF042ABL	4	
	0075020055		HVF046ABB/HVF060ABL		
4	0075020095	Spacer	HVF020ABB/HVF030ABB/HVF042ABL	4	
	0075020054		HVF046ABB/HVF060ABL		
5	0070700512	Compressor	HVF020ABB/HVF030ABB/HVF042ABL	1	*
	0070700286		HVF046ABB/HVF060ABL		
6	0075020093	Fixing sleeve	HVF020ABB/HVF030ABB/HVF042ABL	4	
	0075020056		HVF046ABB/HVF060ABL		
7	0075020094	Rubber mat	HVF020ABB/HVF030ABB/HVF042ABL	4	
	0075020057		HVF046ABB/HVF060ABL		
8	0075020092	Fixing bolt	HVF020ABB/HVF030ABB/HVF042ABL	4	
	0075020052		HVF046ABB/HVF060ABL		
9	0075020088	Overheat and overload protector	HVF020ABB/HVF030ABB/HVF042ABL	1	
	0075020059		HVF046ABB/HVF060ABL	1	
10	0075020087	PTC starter	HVF020ABB/HVF030ABB/HVF042ABL	1	
	0075020058		HVF046ABB/HVF060ABL	1	
	0075020060	Running Capacitor	HVF046ABB/HVF060ABL	1	
11	0075020091	Terminal cover	HVF020ABB/HVF030ABB/HVF042ABL	1	
12	0075020090	Cross-channel pan-head self-tapping screw	HVF020ABB/HVF030ABB/HVF042ABL	1	
13	0072070033	Water evaporator case	HVF020ABB/HVF030ABB/HVF042ABL		
	0072070042		HVF046ABB/HVF060ABL	1	
14	0074180003	Filer drier	HVF020ABB/HVF030ABB/HVF042ABL		

	0074180008		HVF046ABB/HVF060ABB			
15	0079020006	Pyrocongdensation pipe		1		
16	0071190014	Compressor bottom plate		1		
17	0077010020	Cross-channel pan-head self-tapping screw		4		
18	0077010016	Cross-channel pan-head self-tapping screw		1		
19	0075090002	Main control panel		1		
20	0070200686	A Box of cable		1		
21	0077010002	Cross-channel pan-head self-tapping screw		2		
22	0075070007	Ballast		1	*	
23	0077010005	Cross-channel pan-head self-tapping screw		2		
24	0075160010	Ground wire		1		
25	0077070002	Spring spacer		2		
26	0077050024	Cross-channel pan-head screw		2		
27	0077050014	Grounding nut		2		
28	0075190025	Power and combination wire		1		
29	0072040322	Cord stopper cover	HVF020ABB			
	0072040321		HVF030ABB/HVF042ABL	1		
	0072040311		HVF046ABB/HVF060ABL			
30	0079020009	Shock absorption black		1		
31	0072230007	Condenser support		2		
32	0072230008	Condenser clamp		2		
33	0070700533	Condenser	HVF020ABB	1		
	0070700548		HVF042ABL/HVF046ABB			
	0070700518		HVF060ABL/HVF030ABB			
34	0077070004	Spacer		2		
35	0077010019	Cross-channel pan-head self-tapping screw		2		
36	0072050066	Condenser support block		2		
37	0073150001	Enclose pipe		1		
38	0077010002	Cross-channel pan-head self-tapping screw		3		
39	0075150001	Signal wire		1		
40	0077010004	Cross-channel pan-head self-tapping screw		1		
41	0070101003	Power Clamp		1		
42	0075040009	Sensor		1		
43	0075110002	Control display panel		1		
44	0072040153	Top cover		1		
45	0072140001	Temperature display cover		1		

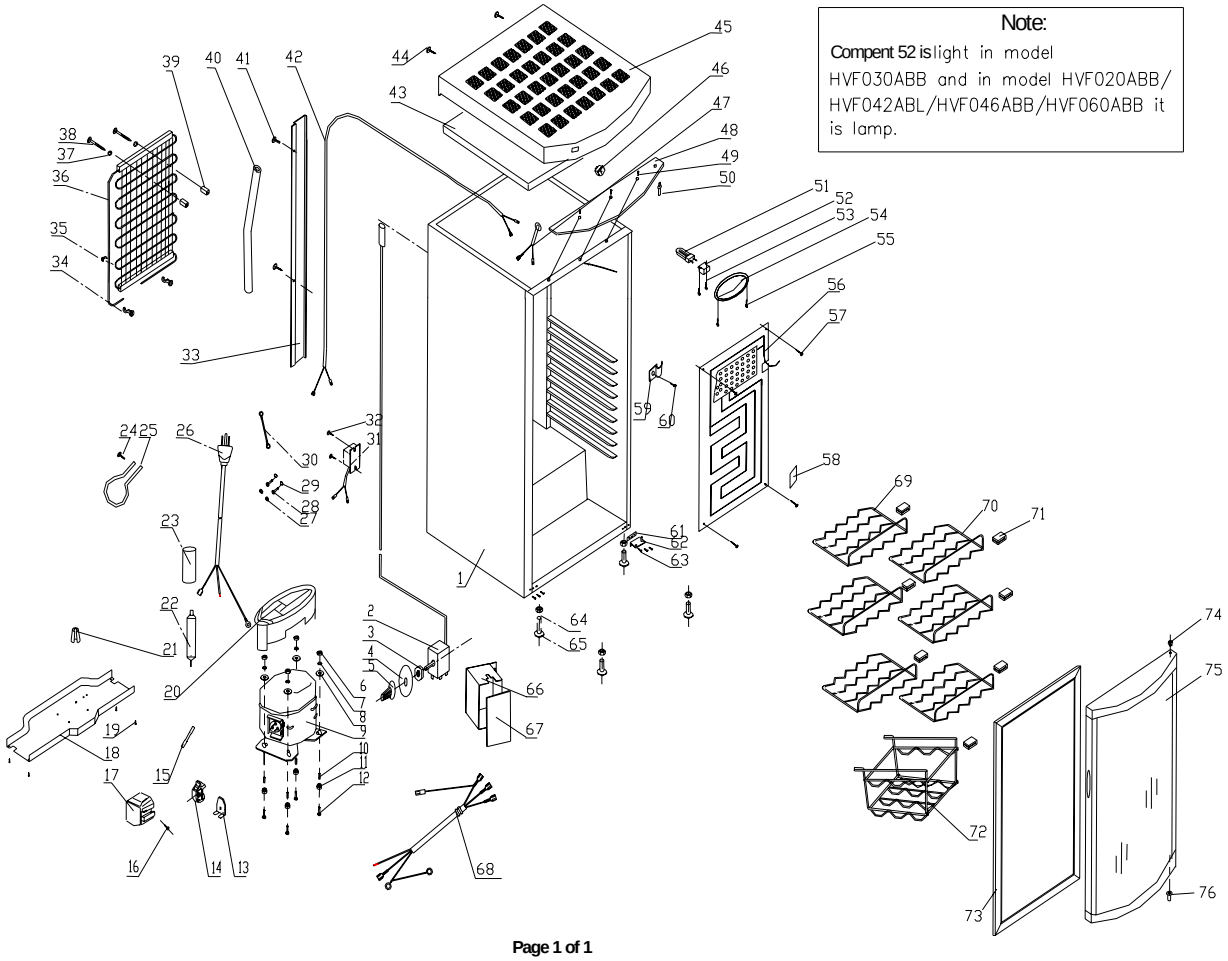
46	0072040176	Keycap		3	
47	0076020103	Top cushion		1	
48	0071250105	Top plate		1	
49	0077010010	Cross-channel pan-head self-tapping screw		3	
50	0071140038	Up hinge		1	
51	0077010010	Cross-channel pan-head self-tapping screw		2	
52	0075120014	Light	HVF030ABB	1	*
	0074000063	lamp	HVF020ABB/HVF042ABL/HVF046ABB/HVF060ABL	1	*
53	0075120013	Light seat	HVF030ABB	1	
	0070200453		HVF020ABB/HVF042ABL/HVF046ABB/HVF060ABL	1	*
54	0077010018	Cross-channel pan-head self-tapping screw		2	
55	0072140003	Light cover	HVF030ABB	1	
	0070200551		HVF020ABB/HVF042ABL/HVF046ABB/HVF060ABL	1	
		light bracket	HVF030ABB Has no light bracket		
	0070100697		HVF020ABB/HVF042ABL/HVF046ABB/HVF060ABL	1	
56	0077010010	Cross-channel pan-head self-tapping screw		2	
57	0070700532	Evaporator	HVF020ABB	1	
	0074010059		HVF042ABL/HVF030ABB		
	0070700547		HVF046ABBHVF060ABB		
58	0077010040	Cross-channel pan-head self-tapping screw		4	
59	0077010010	Cross-channel pan-head self-tapping screw		1	
60	0072050301	Evaporator cover		1	
61	0071250052	Sensor clamp		1	
62	0077010018	Cross-channel pan-head self-tapping screw		1	
63	0072040095	Down hinge cushion		1	
64	0071140039	Down hinge		1	
65	0077050017	Cross-channel pan-head screw		3	
66	0077050045	1Foot nut		4	
67	0077050043	Foot bolt		4	
68	0072040100	Control panel box		1	
69	0077010002	Cross-channel pan-head self-tapping screw		4	
70	0072040099	Control panel box		1	

		cover				
		Cross-channel				
71	0077010016	pan-head self-tapping screw		4		
72	0070100768	Plate wine support (I)	HVF060ABL			
	0070100765	Plate wine support (I)	HVF020ABB/HVF030ABB/HVF046ABB	3		
	0070100528	Plate wine support (I)	HVF042ABL			
73	0070100769	Plate wine support (II)	HVF060ABL			
	0070100766	Plate wine support (II)	HVF020ABB/HVF030ABB/HVF046ABB	3		
	0070100529	Plate wine support (II)	HVF042ABL			
74	0070200207	Close nip		7		
75	0070100767	Double layer wine support	HVF060ABL			
	0070100764	Double layer wine support	HVF020ABB/HVF030ABB/HVF046ABB			
76	0076100041	Lock attention		1		
77	0072130017	Up hinge axle sleeve		1		
	0070801082	Door	HVF020ABB	1		
	0078100044		HVF042ABL	1		
	0078100138		HVF046ABB	1		
	0078100165		HVF060ABB	1		
78	0078100126		HVF030ABB	1		
79	0071150026	Lock		1		
80	0071150038	Key		1		
81	0072130010	Down hinge axle sleeve		1		
82	0072050460	Enclose bar	HVF020ABB	1		
	0070200653		HVF046ABB			
	0072050093		HVF060ABB			
	0072050358		HVF030ABB			
	0072050096		HVF042ABL			

Notes: The components marked with * in the remarks columns are damageable parts.

Model:HVFM20ABB/HVFM30ABB **Manual No.:**JC-A(A) **Edition:20030108**

Explode View



Page 1 of 1

LIST OF PARTS

List of parts

NO.	Parts code	Parts name	Model	QTY.	remark
1	0070801161	Foam cabinet	HVFM20ABB	1	
	0070801297		HVFM30ABB	1	
2	0075040011	Thermostat		1	*
3	0075040012	Thermostat nut		1	
4	0070500606	Thermostat Adhibit		1	
5	0072040122	Thermostat knob		1	
6	0075020097	Fixing nut		4	
7	0075020096	Spring spacer		4	
8	0075020095	Spacer		4	
9	0070700512	Compressor		1	*
10	0075020093	Fixing sleeve		4	
11	0075020094	Rubber mat		4	
12	0075020092	Fixing bolt		4	
13	0075020088	Overheat and overload protector		1	
14	0075020087	PTC starter		1	
15	0072130013	Wire Clip		1	
16	0075020090	Cross-channel pan-head self-tapping screw		1	
17	0075020091	Terminal cover		1	
18	0071190014	Compressor bottom plate		1	
19	0077010020	Cross-channel pan-head self-tapping screw		4	
20	0072070042	Water evaporator case		1	
21	0079020009	Shock absorption black		1	
22	0074180008	Filer drier		1	
23	0079020006	Pyrocongdensation pipe		1	
25	0077010004	Cross-channel pan-head self-tapping screw		1	
26	0070400067	Power cord		1	
27	0077050014	Grounding nut		2	
28	0077050004	Cross-channel pan-head screw		2	
29	0077070002	Spring Spacer		2	
30	0075160010	Ground wire		1	
31	0075070007	Ballast		1	*
32	0077010005	Cross-channel pan-head self-tapping screw		2	
33	0072040321	Cord stopper cover		1	
34	0072230007	Condenser support		2	
35	0072230008	Condenser clamp		2	
36	0070700533	Condenser	HVFM20ABB	1	
	0070700518		HVFM30ABB	1	
37	0077070004	Spacer		2	
38	0077010019	Cross-channel pan-head self-tapping screw		2	
39	0072050066	Condenser support block		2	
40	0070200426	Enclose pipe		1	

41	0077010002	Cross-channel pan-head self-tapping screw		3		
42	0070400079	Light wire		1		
43	0076020104	Top cushion		1		
44	0077050019	Cross-channel pan-head screw		2		
45	0070200473	Top cover		1		
46	0074000074	Lamp Switch		1		
47	0070400068	Switch wire		1		
48	0071250206	Top plate		1		
49	0077010010	Cross-channel pan-head self-tapping screw		3		
50	0071140054	Up hinge		1		
51	0075120014	Light		1	*	
	0074000063	Lamp		1	*	
52	0075120013	Light seat		1	*	
	0070200453	Light seat		1	*	
53	0077010010	Cross-channel pan-head self-tapping screw		2		
54	0072140003	Light cover		1		
55	0077010010	Cross-channel pan-head self-tapping screw		2		
56	0070700532	Evaporator	HVFM20ABB	1		
	0074010059		HVFM30ABB	1		
57	0077010040	Cross-channel pan-head self-tapping screw		4		
58	0072050301	Evaporator cover		1		
59	0071250052	Sensor clamp		1		
60	0077010018	Cross-channel pan-head self-tapping screw		1		
61	0072040095	Down hinge cushion		1		
62	0071140039	Down hinge		1		
63	0077050017	Cross-channel pan-head screw		3		
64	0077050045	Foot nut		4		
65	0077050043	Foot bolt		4		
66	0070200680	Control panel box		1		
67	0070200679	Control panel box cover		1		
68	0070400070	Thermostat Wire		1		
69	0070100765	Plate wine support (I)		3		
70	0070100766	Plate wine support (II)		3		
71	0070200207	Close nip		7		
72	0070100764	Double layer wine support		1		
73	0072050460	Enclose bar	HVFM20ABB	1		
	0072050358		HVFM30ABB	1		
74	0072130017	Up hinge axle sleeve		1		
75	0078100117	Door	HVFM20ABB	1		
	0070800150		HVFM30ABB	1		
76	0072130010	Down hinge axle sleeve		1		

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