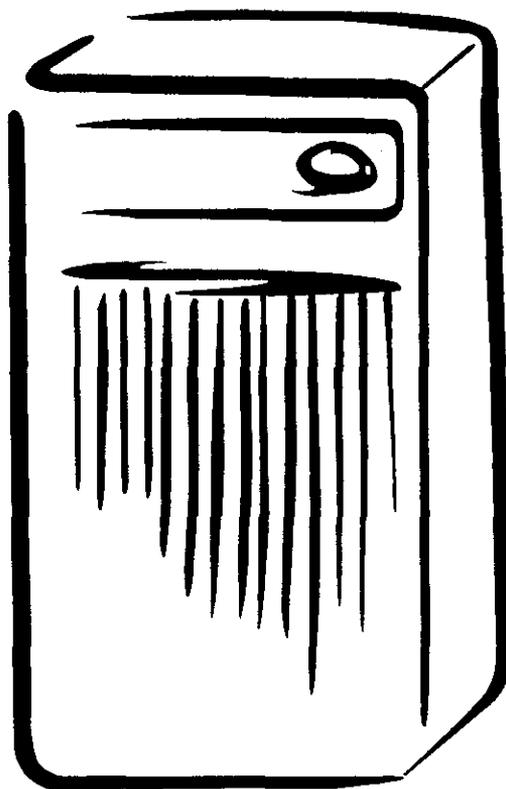


Owner's Manual  
Manual del Propietario



DEHUMIDIFIER  
DESHUMIDIFICADOR

Model, Modelo 580.51300



ENGLISH

ESPAÑOL

Sears, Roebuck and Co., Hoffman Estates, IL 60179 U.S.A.  
[www.sears.com](http://www.sears.com)

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## WARRANTY

### FULL ONE YEAR WARRANTY ON DEHUMIDIFIER

For one year from the date of purchase, if the Dehumidifier is operated and maintained according to the owner's instructions furnished with the product, Sears will repair the Dehumidifier free of charge, if defective in materials or workmanship.

### FULL FIVE YEAR WARRANTY ON SEALED REFRIGERATION SYSTEM

For five years from the date of purchase, when this Dehumidifier is operated and maintained according to owner's instructions furnished with the product, Sears will repair the sealed refrigeration system (consisting of refrigerant, connecting tubing, and compressor motor) free of charge, if defective in material or workmanship.

### WARRANTY SERVICE IS AVAILABLE BY RETURNING UNIT TO THE NEAREST SEARS SERVICE CENTER IN THE UNITED STATES.

This warranty applies only while this Dehumidifier is used in the United States.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Sears, Roebuck and Co., D/817WA, Hoffman Estates, IL 60179 U.S.A.

# SAFETY

## IMPORTANT SAFETY INSTRUCTIONS

The safety instructions below will tell you how to use your dehumidifier to avoid harm to yourself or damage to your dehumidifier.

### **⚠ WARNING** FOR YOUR SAFETY

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance. Read product labels for flammability and other warnings.

### **⚠ WARNING** PREVENT ACCIDENTS

To reduce the risk of fire, electrical shock, or injury to persons when using your dehumidifier, follow basic precautions, including the following:

- Be sure the electrical service is adequate for the model you have chosen.

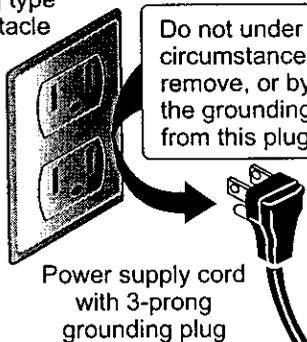
### **⚠ WARNING** ELECTRICAL INFORMATION

The complete electrical rating of your new dehumidifier is stated on the serial plate. Refer to the rating when checking the electrical requirements.

- Be sure the dehumidifier is properly grounded. To minimize shock and fire hazards, proper grounding is important. The power cord is equipped with a three-prong grounding plug for protection against shock hazards.
- Your dehumidifier must be used in a properly grounded wall receptacle. If the wall receptacle you intend to use is not adequately grounded or protected by a time delay fuse or circuit breaker, have a qualified electrician install the proper receptacle.
- **Do not use an extension cord or an adapter plug.**

**⚠ WARNING** Avoid fire hazard or electric shock. Do not use an extension cord or an adapter plug. Do not remove any prong from the power cord.

Grounding type wall receptacle



Power supply cord with 3-prong grounding plug

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# ELECTRICAL REQUIREMENTS

OBSERVE ALL LOCAL CODES AND ORDINANCES.

**DO NOT, UNDER ANY CIRCUMSTANCES, REMOVE THE POWER SUPPLY CORD GROUND PRONG.**

**ELECTRICAL GROUND IS REQUIRED ON THIS APPLIANCE.**

A 115-volt 60 Hz, AC only, 15A fused and properly grounded electrical supply is required. A time delay fuse or time delay circuit breaker is recommended. Use a dedicated circuit, serving only this appliance.

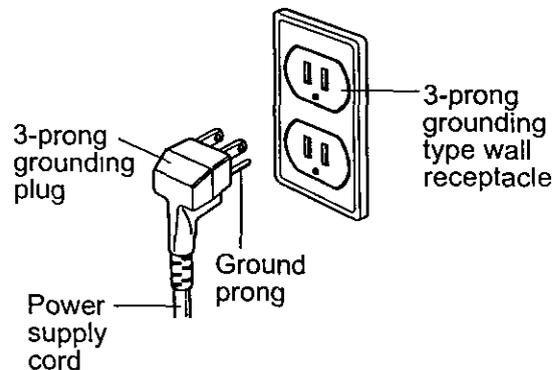
**DO NOT USE AN EXTENSION CORD.**

## RECOMMENDED GROUNDING METHOD

For your personal safety, this appliance must be grounded. This appliance has a power supply cord with a 3-prong grounding plug. To minimize possible shock hazard, the cord must be plugged into a mating grounding type wall receptacle and grounded in accordance with the National Electrical Code (ANSI/NFPA 70) latest edition and all local codes and ordinances. If a mating wall receptacle is not available, it is the personal responsibility and obligation of the customer to have a properly grounded 3-prong wall receptacle installed by a qualified electrician.

<b>⚠ WARNING</b>

Electrical Shock Hazard Plug into a grounded 3 prong outlet Do not remove ground prong. Do not use an adapter. Do not use an extension cord. Failure to follow these instructions can result in death, fire, or electrical shock.



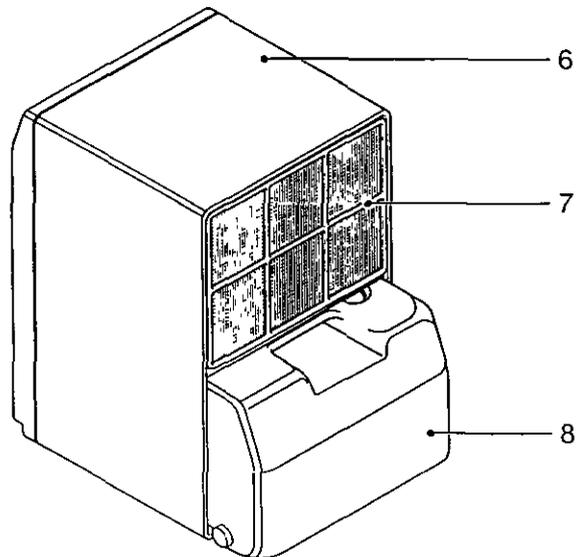
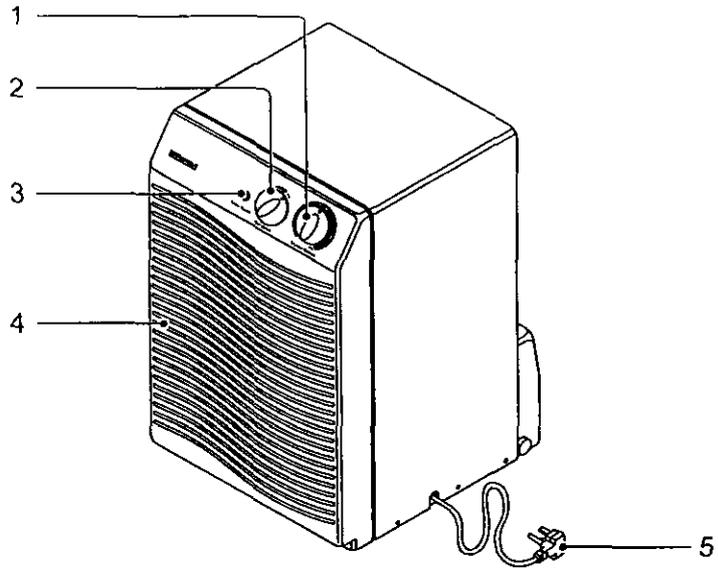
# OPERATION

## FEATURES

### **⚠ WARNING**

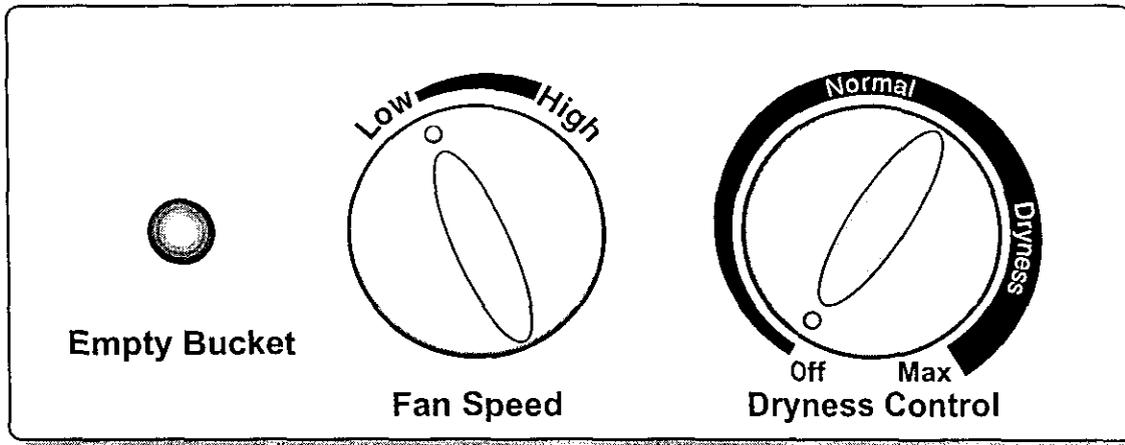
To reduce the risk of fire, electric shock, or injury to persons, read the important SAFETY instructions section before operating this appliance

- 1 Fan speed knob
- 2 Dryness control knob
- 3 Empty Bucket indicator
- 4 Front grille assembly
- 5 Power cord
- 6 Cabinet
- 7 Air filter
- 8 Water Bucket



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# OPERATION



## CONTROL PANEL

Your dehumidifier control panel contains an Empty Bucket indicator, a Fan Speed control and a Dryness Control.

**Empty Bucket indicator** --- This light glows when the water bucket is full and needs to be emptied. It also glows when the bucket is not properly positioned.

**Fan Speed** --- This controls the speed of the airflow.

**Dryness Control**--- This controls the moisture in the room.

### TO OPERATE THE DEHUMIDIFIER:

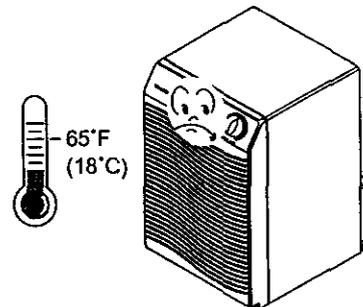
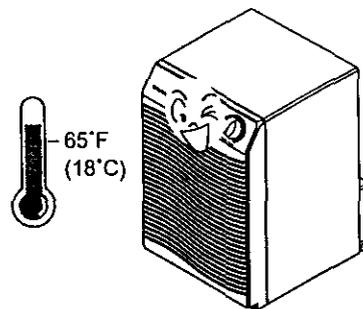
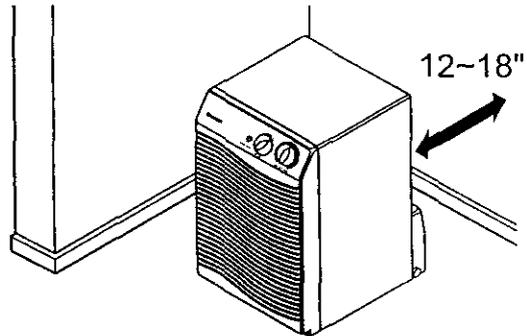
1. Turn the Dryness Control to Off. Plug the power cord into an electrical outlet.
2. Set the Dryness Control anywhere between Off and Max for normal operation.  
If you need more dehumidification (drier air), turn the Dryness Control toward Max. If you need less dehumidification (moister air), turn the Dryness Control toward Off.
3. Turn the Dryness Control to Off to stop the unit manually.
4. To control the speed of air flow, turn the Fan Speed toward Low or High.

**Note: Be careful not to lose the water bucket.**

This dehumidifier doesn't run if the water bucket is not installed properly.

# INSTALLING YOUR DEHUMIDIFIER

- Install the dehumidifier on a level floor strong enough to support the unit with a full bucket of water.
  - For best performance, allow at least 12-18 inches of air space on all sides of the unit for good air circulation.
  - Keep all outside doors, windows, and other openings closed when operating the dehumidifier. Humid outdoor air will add to the unit's work load.
- 
- Install your dehumidifier in an area where the temperature will not fall below 65°F (18°C). At temperatures below this, the coils can become covered with frost.

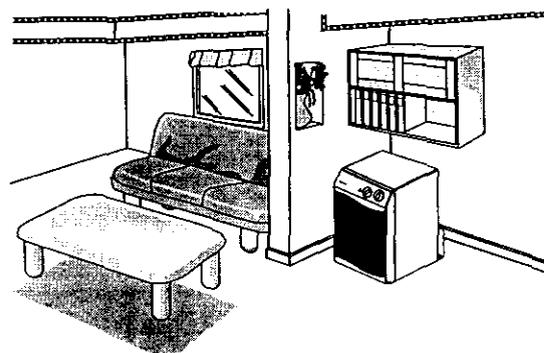


## DEFROST CONTROL

When the defrost control senses frost build-up on the evaporator coil, it will automatically shut off the compressor. The fan will continue to cycle on and off to draw air across the coil and melt the frost. When the coil is defrosted, the compressor will automatically restart and dehumidifying resume.

# CHOOSING THE PROPER LOCATION

- Use the dehumidifier in a basement to help prevent moisture damage.
- Use the dehumidifier in cooking, laundry, bathing, and dishwashing areas that have excessive moisture.
- Use the dehumidifier to prevent moisture damage anywhere books or valuables are stored.



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# AUTOMATIC SHUT OFF

When the bucket is full, or when the bucket is not in the proper position, the Bucket Full light turns on and the unit automatically shuts off. Also, when bucket is out of position, the unit will beep 3 times.

**The bucket must be replaced in the proper position for the dehumidifier to work. The bucket full light will be on and the dehumidifier will not run if the bucket is not in the proper position.**

# REMOVING AND EMPTYING THE WATER BUCKET

The water bucket can be emptied in one of three ways:

## **Empty the bucket manually.**

When the bucket is full, remove and empty it into a large sink or tub. When finished, replace it properly.

**NOTE: To replace the bucket properly, make sure the slots on the back of bucket are positioned correctly.**

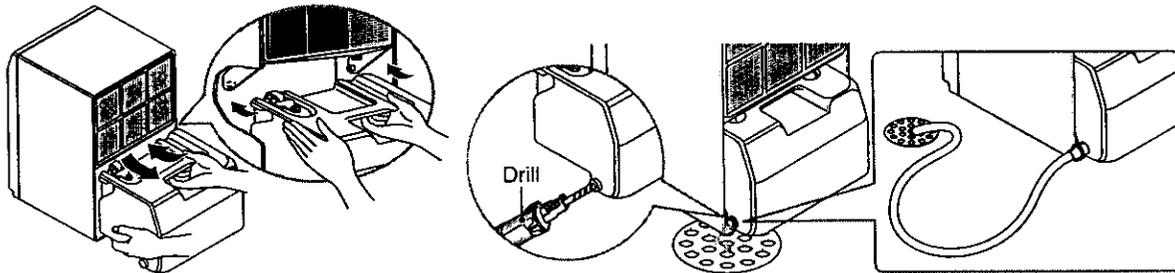
## **Place the dehumidifier directly over drain.**

Open the threaded bucket drain hose connection in the bucket by drilling a 3/8" (10mm) to 3/4" (19mm) hole in the center of the connection.

Once opened, the bucket drain hose connection will continually drain water from the bucket.

## **Attach a garden hose to the threaded bucket drain hose connection to carry water to the drain.**

When being attached to the bucket drain hose connection, be sure the hose doesn't kink or bend. It should lie flat from the dehumidifier to the drain.



# MAINTENANCE

## GRILLE AND CASE

**To clean the case:** Use water and a mild detergent. Do not use bleach or an abrasive cleaner.

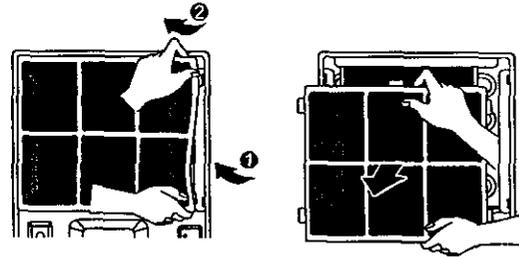
**To clean the grille:** Use a vacuum with an attachment or brush.

## AIR FILTER

The air filter is on the back of the dehumidifier. It should be checked and cleaned at least every 30 days or more often if necessary.

### TO REMOVE:

Flex the filter at the lower right corner and slide the upper right side to the left. Release all of the tabs and remove the filter. Wash it in warm soapy water. Rinse and let the filter dry before replacing it.



## CLEANING INSIDE THE UNIT

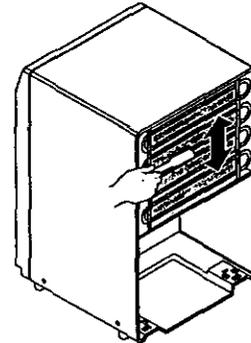
After removing the air filter, clean the coil on the inside with a soft brush to remove any soft and wet soil.

**NOTE:** Do not allow water to enter the electrical/machine compartment through the circular opening behind the coil.

**Do not spray the coil with a hose.**

## GENERAL CLEANING

- Dust the front grille and the side panels with a soft brush or use the dusting attachment of your vacuum.
- If cabinet paint chips, you can touch up the paint with a good grade enamel to prevent rust.



## WATER BUCKET CLEANING

- Every few weeks, rinse the inside of the water bucket with a mild detergent to prevent growth of mold, mildew, and bacteria.



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# TROUBLESHOOTING

Problem	Possible Causes	What To Do
<i>Dehumidifier does not start</i>	The dehumidifier power cord is unplugged	• Make sure the dehumidifier plug is pushed completely into the outlet
	The fuse is blown or circuit breaker is tripped.	• Check the house fuse or circuit breaker box and replace the fuse or reset the breaker
	Water bucket is full	• The dehumidifier automatically turns off when this occurs Empty the bucket.
	Bucket is not installed.	• Make sure a bucket in the right place.
<i>Dehumidifier does not dry the air as it should</i>	Did not allow enough time to remove the moisture.	• When first installed, allow at least 3 or 4 days to maintain the desired dryness.
	Airflow is restricted.	• Make sure there are no curtains, blinds or furniture blocking the front or back of the dehumidifier.
	The Dryness Control may not be set high enough.	• Turn the Dryness Control knob closer to the Max position.
	Doors and windows may not be closed tightly.	• Check that all doors, windows and other openings are securely closed
	Clothes dryer may be blowing moisture-laden air into the room.	• Install the dehumidifier away from the dryer The dryer should be vented to the outside.
	Room temperature is too low.	• The unit will not operate satisfactorily if the room temperature is below 65°F. (18°C.)
<i>Dehumidifier runs too much</i>	Doors and windows are open.	• Close all doors and windows to the outside.
<i>Frost appears on the coils</i>	Dehumidifier has been recently turned on or room temperature is below 65°F. (18°C.).	• This is normal Frost will usually disappear within 60 minutes
<i>Fan noise</i>	Air is moving through the dehumidifier.	• This is normal.
<i>Water on floor</i>	Bucket drain hose connection may be loose.	• Check the hose if one is attached.
	Water bucket is not all the way in.	• See the Removing and Emptying The Water Bucket.

# REPAIR PARTS

Dehumidifier

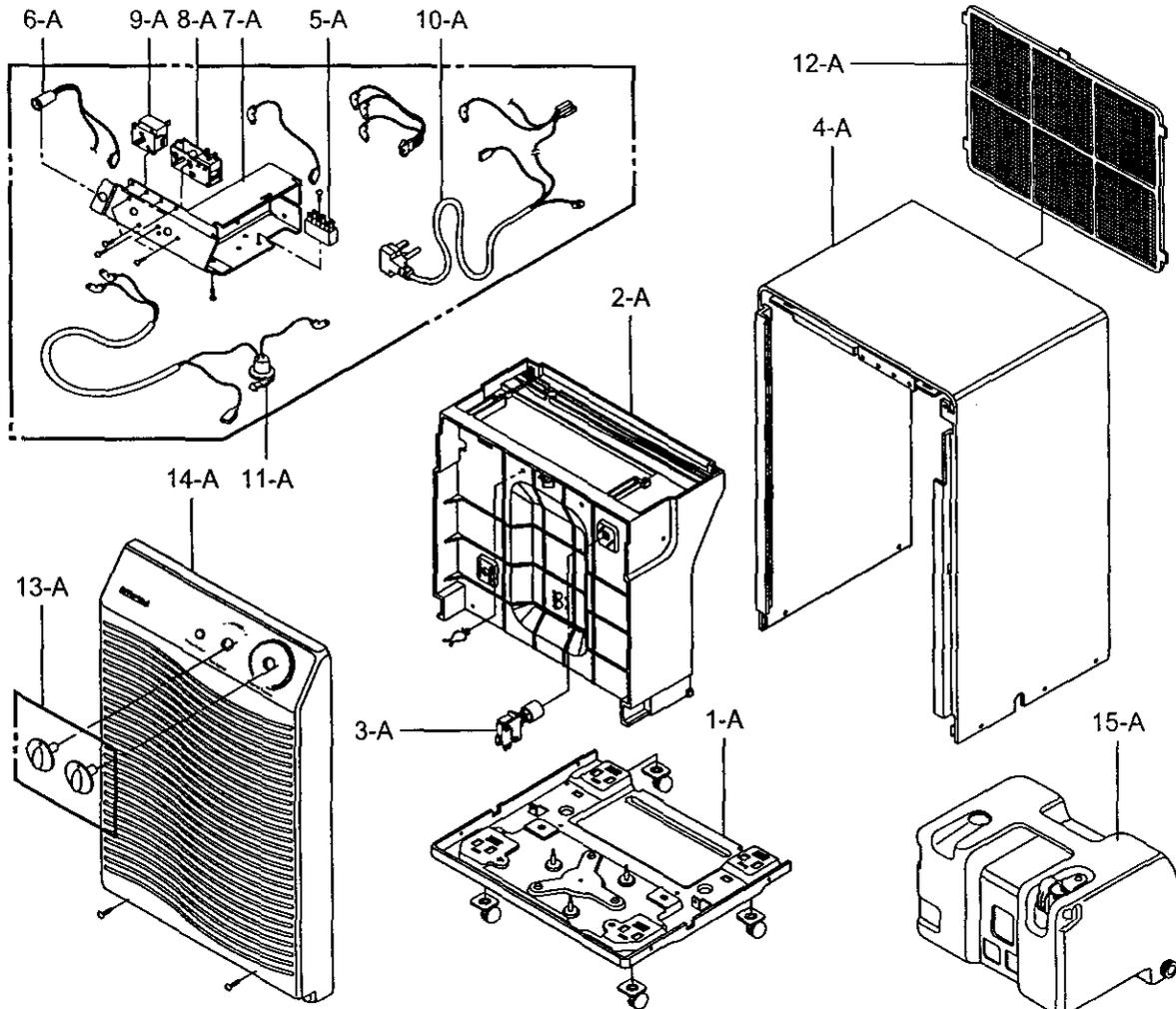
Model No. 580.51300

To order Parts call Toll Free

1-800-4-MY-HOME®(1-800-469-4663)

CAUTION: Use the Kenmore part number on all orders, not the illustration number.

## OUTER CASE PARTS AND CONTROL PART



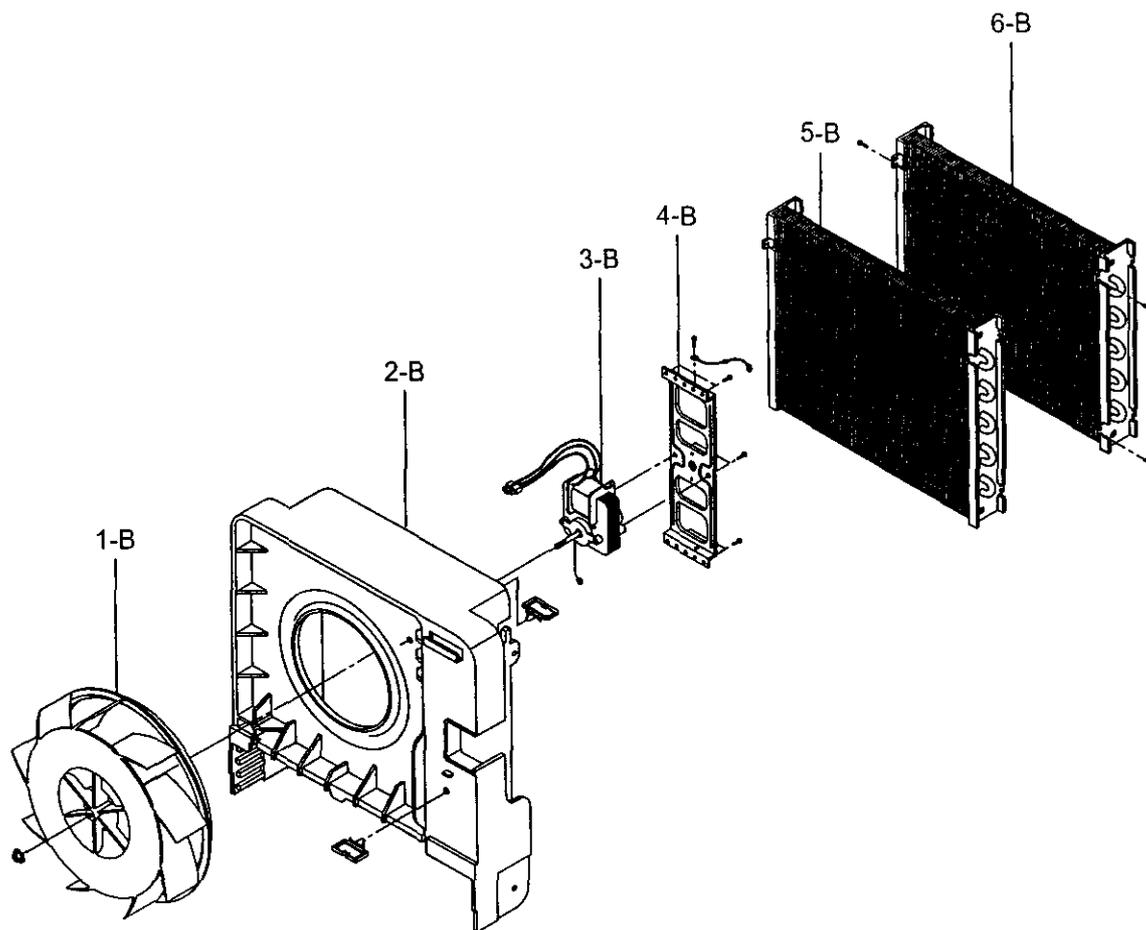
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POS. NO.	PART NO	DESCRIPTION	POS. NO.	PART NO	DESCRIPTION
1-A	3041AD2007B	BASE ASSY, WELD [SINGLE]	10-A	6411A20001Q	POWER CORD ASSY
2-A	4791A10002B	BARRIER, ASSY	11-A	6614A30001H	CONTROL, DEFROST
3-A	6600A30003C	SWITCH ASSY, MICRO	12-A	5230AD3005A	FILTER(MECH)
4-A	3090A10001J	CABINET	13-A	4941A30008A	KNOB ASSY
5-A	6640A40001A	TERMINAL BLOCK	14-A	3531A20014A	GRILLE ASSY, FRONT
6-A	6912A30001F	LAMP, NEON	15-A	4838A20005A	TANK BUCKET
7-A	3720AD3004A	PANEL, CONTROL			
8-A	5216A20001A	HUMIDISTAT			
9-A	6600A20001A	SWITCH, ROTARY			

580.51300

CAUTION: When ordering parts, use the Kenmore part number not the location number.

### CYCLE PARTS

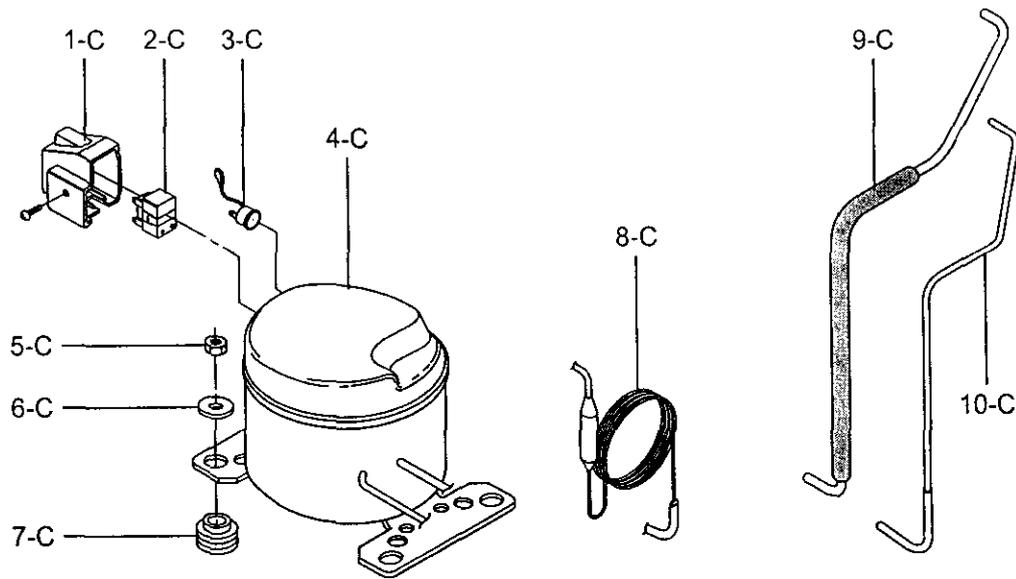


POS. NO.	PART NO	DESCRIPTION
1-B	5900A20007A	FAN
2-B	4999A10001A	SHROUD ASSY
3-B	4681A20040A	MOTOR ASSY, SINGLE
4-B	4960A20009A	MOUNT, MOTOR
5-B	5403A10008B	CONDENSER ASSY
6-B	5421A10009B	EVAPORATOR ASSY

580.51300

CAUTION: When ordering parts, use the Kenmore part number not the location number.

**COMPRESSOR PARTS**



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POS. NO.	PART NO	DESCRIPTION
1-C	3550C-0013A	TERMINAL COVER
2-C	6748C-0003A	R.T.C
3-C	6750C-0002S	O.L.P.
4-C	2521C-A8605	RE-COMPRESSOR, SET
5-C	1NHA0801206	NUT, HEXAGON (1)
6-C	4H00972G	WASHER
7-C	5040AR4195A	ISOLATOR, COMP.
8-C	5425AP3074C	TUBE ASSY, CAPILLARY
9-C	5211A30373B	TUBE ASSY, SUCTION
10-C	5211A30367A	TUBE ASSY, DISCHARGE