

# **HAIER**

## **Front Loading Dryer**

### **Service Manual**

#### **PART # WD-8888-22**

HAIER AMERICA TRADING, LLC  
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## Features

- Three drying cycle, heat cool and synthetic.
- The support of front and rear make running balanced low noise.
- Straight exhaust of back-inhale styled make good airproof and high drying efficiency.
- After heat drying cool may protect clothes.

## Specifications

<b>Models</b>	<b>GDZ5-1</b>
<b>Capacities</b>	
Capacities	11lb
Drum size	117L 2800rpm 220-240v/50Hz
Motor size (hp)	250W/150W
<b>Features</b>	
Type	Direct Exhaust
Controls	Mechanism
Temperature Settings	3 kinds
Dry Sensor	No
Reversible Door	No
End of Cycle Signal	No
Wrinkle Remover Tumble	No
Easy Access Lint Filter	Yes
Interior Drum Light	No
Dryer Rack	No
Easy Opening Wide Door	10.6inch
Dry Cycles	2 kinds
Fabric Care Drying Cycles	Temperature Aegis
Permanent Press	No
Side Exhaust Vents	No
<b>LP Conversion Kit</b>	
Serviceable Front	Rear End
<b>Dimensions</b>	
Width	23.4inch
Depth with Door Close	22.8inch
Depth with Door Open	36.6inch
<b>Height</b>	
Height with Back Guard	33.8inch
Shipping Weight (lbs) (approx.)	94.7lb

## Safety Precautions

**WARNING!** To reduce the risk of fire, electrical shock, or injury to persons when using this dryer, comply with the basic warnings listed below.

**WARNING!** Failure to comply with these warning could result in serious personal injuries or damage to the dryer.

**WARNING!** Do not dry items that have been previously cleaned in, soaked in, or spotted with gasoline, cleaning solvents, kerosene, cooking oils, waxes, etc. Do not store these items on or near the dryer. These substances give off vapors that could ignite or explode.

**WARNING!** To prevent fire, do not use heat to dry items containing plastic, foam rubber or similarly textured rubber-like materials, or items containing feathers or down.

**WARNING!** Clean the lint screen before or after each load. The interior of the dryer, lint screen housing and qualified service personnel should clean exhaust duct approximately every 18 months. An excessive amount of lint build-up in these areas could result in inefficient drying and possible fire. See care and cleaning.

**WARNING!** Do not operate the dryer if the lint screen is blocked, damaged or missing. Fire hazard, overheating and damage to fabrics can occur.

**WARNING!** Keep area around the exhaust opening and surrounding areas free from the accumulation of lint, dust and dirt.

**WARNING!** Do not obstruct the flow of ventilating air. Do not stack or place laundry or throw rugs against the front or back of the dryer.

### Important Safety Precautions

**WARNING!** Do not spray any type of aerosol into, on, or near dryer at any time.

**WARNING!** Do not use fabric softeners or products to eliminate static unless recommended by the manufacturer of the fabric softener or product.

**WARNING!** Do not allow children to play on or in the dryer. Close supervision of children is necessary when the dryer is used near children. As children grow, teach them the proper, safe use of all appliances.

**WARNING!** Destroy the carton, plastic bag and other packing materials after the dryer is unpacked. Children might use them for play. Cartons covered with rugs, bedspreads or plastic sheets can become airtight chambers.

**WARNING!** Keep laundry products out of children's reach. To prevent personal injury, observe all warnings on product labels.

**WARNING!** Before the dryer is removed from service or discarded, remove the dryer door to prevent accidental entrapment.

**WARNING!** To prevent shock hazard and assure stability during operation, the dryer must be installed and electrically grounded by a qualified service person in accordance with local codes. Installation instructions are packed in the dryer for the installer's reference. Refer to "INSTALLATION INSTRUCTIONS" for detailed grounding procedures. Never ground the dryer to a gas pipe. If the dryer is moved to a new location, have it checked and reinstalled by a qualified service person.

**WARNING!** Always disconnect the dryer from the electrical supply before attempting any service or cleaning. Failure to do so can result in electrical shock or injury.

**WARNING!** Do not use any type spray cleanser when cleaning dryer interior. Hazardous fumes or electrical shock could occur.

**WARNING!** To prevent injury, do not reach into the dryer if the drum is moving. Wait until the dryer has stopped completely before reaching into the drum.

**WARNING!** To prevent injury and damage to the dryer:

- All repairs and servicing must be performed by an authorized servicer unless specifically recommended in this Owner's Guide. Use only authorized factory parts.
- Do not tamper with controls.
- Do not install or store the dryer where it will be exposed to the weather.

# Unpacking and Installation

1. Open the package, check against the instruction manual to see if the spare parts are complete.
2. Put the dryer to the location required by the user (balcony, kitchen, toilet or living room). According to the condition of the installation position, give the user advices on whether an exhaust pipe is used or not.

The following cases should be dealt with in different ways

a. If there is an exhaust outlet at the mounting position, connect the exhaust pipe to the outlet to facilitate exhaust of the indoor humid and hot air. The mounting procedure is as follows:

- 1) Mount the connecting sleeve of the exhaust pipe onto the rear exhaust vent of the dryer.
- 2) Connect the extension pipe to the connecting sleeve, and fix with pipe clips.
- 3) Pull the extension pipe to connect it with the exhaust outlet.

b. If there is no exhaust outlet at the mounting position, it is recommended not to mount an extension pipe, but a space of at least 3.9inch at the dryer back should be left to facilitate air exhaust.

c. An extension pipe can be mounted at the request of the user according to the above steps. The dryer should be near the window, through which the user pulls the extension pipe to exhaust the humid and hot air in the room. At the end of the use, replace the extension pipe.

d. At the request of the user, make a hole in the wall to mount the extension pipe (hole diameter 3.9-4.2inch). Not more than 4 bends should be made for the extension pipe (more bends will cause difficulty to exhaust and affect the drying efficiency).

3. The dryer body should be level. Adjust it with foot-adjusting spanner.

4. Close the dryer door, set the timer pointer into the red zone, and switch on the power to operate for 2-3 minutes. If the back guard plate is hot, it means the operation is normal. Push down the dryer button, if the dryer indicator is on, it means the operation is normal. Turn off the power, adjust the timer pointer into the blue zone, and then turn on the power again. If the cold air indicator (strainer indicator) is on, it means the operation is normal.

# Troubleshooting

## **A. The power light is on, but the machine does not work after a program is set.**

a. Check the micro switch. If it is out of order, replace it; otherwise, check to see if it is closed or it is open, check the switch arm height and adjust it.

Maintenance Procedure:

1) Loosen the screws on the deck plate at the back to remove the deck plate, unplug the micro switch power line in the front channel.

2) Hold the exposed part of the micro switch and move it toward the drum, rotate the switch arm and take out the micro switch carefully.

3) If the switch is out of order, replace it; otherwise, it means the switch arm height is too low, raise it and re-mount it.

b. If the micro switch is ok, i.e. it closes after the door is closed, check the program controller.

Replace it if it does not work.

Maintenance Procedure:

1) Loosen the screws on the deck plate at the back and remove the deck plate.

2) Take out the timer knob, unscrew the timer with a screwdriver and pull out the timer connecting wire.

3) Replace the timer and turn on the power. If the dryer operates normally, mount the deck plate.

## **B. The program knob of the dryer points at the red zone, the cold air indicator is not the drum rotates, but heating and drying operation is not available, and the back guard plate is not warm.**

The fuse is turned off.

Check Procedure: In checking Procedure, pull out the plugs at both ends and measure the fuse with an AVO meter. If it is not in order, replace it.

## **C. The program knob of the dryer points at the red zone, the cold air indicator is on and the drum rotates, but heating and drying operation is not available, and the back guard plate is not warm.**

1) The overheat temperature controller of the heating component is turned off.

Maintenance Procedure

Remove the back guard plate, check to see if the high-temperature thermostat is in order.

Check Procedure: Take down the cable plug and measure the high-temperature thermostat with an AVO meter to see if it is correct. Replace it if it is in trouble.

2) If there is no heating operation after the above steps, open the back cover to check if the low temperature thermostat on the case is in order.

Checking Procedure: The same as the check procedure for the high-temperature thermostat.

3) If no abnormalities are found after the above steps, it means the heating pipe has trouble, replace it.

Maintenance Procedure:

1) Open the back cover and disconnect the heating pipe.

2) Loosen the left and right air deflectors and remove the heater; then pull out the power line of the heating pipe from its location hole.

3) Replace the heater, and then turn on the power and check the heater. If the operation is normal, mount the back cover again.

**D. The program knob of the dryer points at the blue zone, the cold air indicator is on and the drum rotates  
The fuse is turned off.**

**E. After a program is selected and the dryer is started, the exhaust system works (operational sounds can be heard), but the drum does not rotate.  
The lobed belt is worn off seriously; replace it.**

**F. Great operating noise is heard accompanied by abnormal noises; after opening the back cover and removing the belt, the noise disappears.**

a. Bearing damage

Maintenance Procedure

a. Remove the back cover and loosen the bearing holder with a screwdriver. Check the bearing. If it has trouble, remove it with a minus screw driver and replace.

b. If the bearing is ok, remove the belt and rotate the motor; if the noise disappears, it means the drum holder is worn off seriously, replace it.

#### Maintenance Procedure

- 1) Open the deck plate, pull out the power line terminal, then open the back cover and remove the belt, pull out the power line terminal of the heater and remove the back cover.
- 2) Unscrew the drum holder on the front channel with a screwdriver and replace it.
- 3) Reinstall the dryer (the drum inner wall at the drum inlet must press on the drum holder, and the drum holder can be touched after the door is opened; otherwise the installation is not proper). Check to see if the dryer operation is normal according to the above procedure.

#### **G. Great operating noise is heard, accompanied by abnormal noises. After opening the back cover and removing the belt, the noise still exists.**

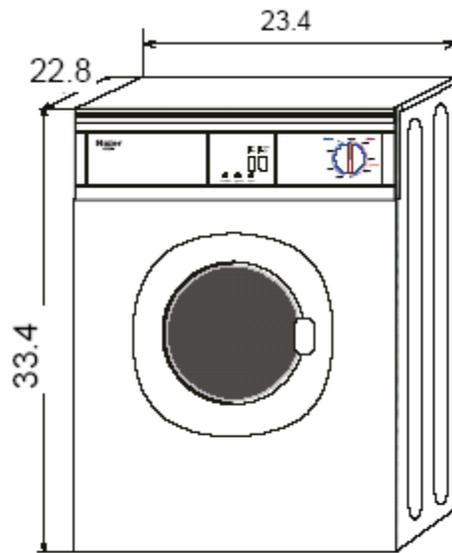
Impeller falls off or is damaged.

#### Maintenance Procedure

- 1) Open the back cover and remove the belt; pull out the power line clip and power adapter of the heater; then unplug the motor and tip the dryer.
- 2) Unscrew the base plate and remove it, open the end cover of the case and check the impeller.

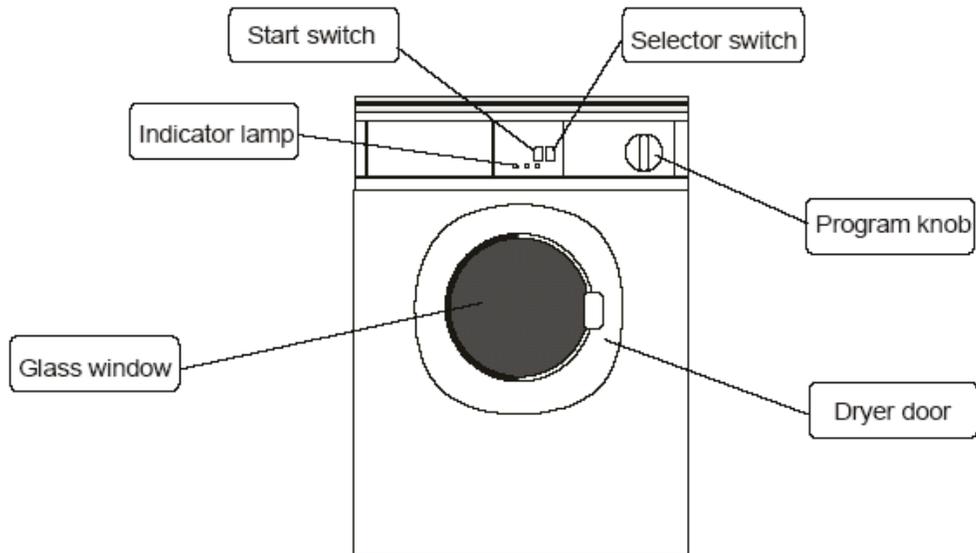
Refasten or replace the bad impeller and re-install the dryer.

## Dimensions

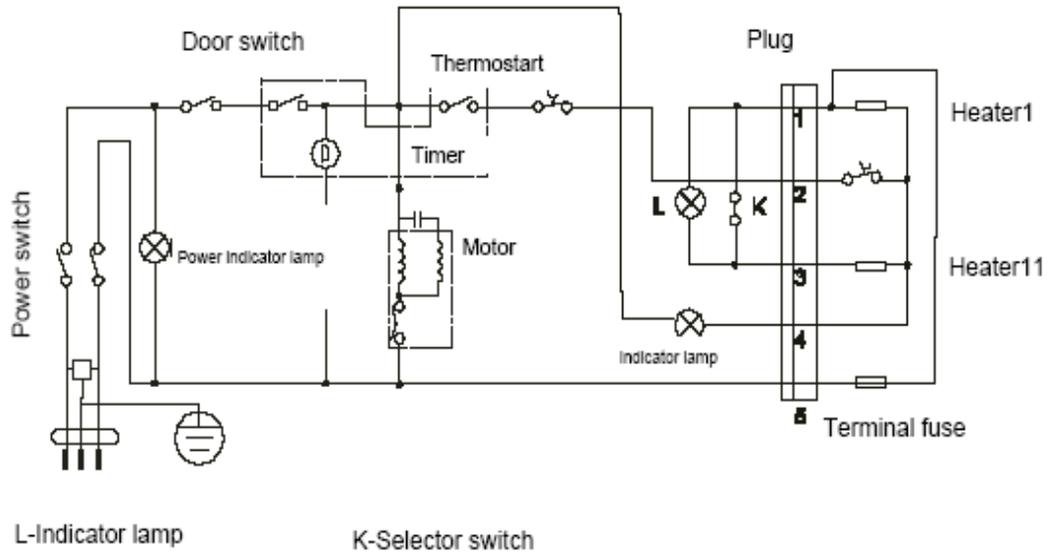


height:33.4in / width: 23.4in / depth: 22.8in

## Names of Parts



## Circuit Wiring (New Zealand, Australia, Cyprus)



## Circuit Wiring (America and Canada)

