HYUNDAI

TOP MOUNT REFRIGERATOR INSTRUCTION MANUAL



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PRODUCT SPECIFICATION

Model	HYRF-HMTM415EI HYRF-HMTM415EW HYRF-TM415EI HYRF-TM415EW
Climate Type	N, ST , T
Electrical Shock Protect Mode	I
Rated Voltage (V)	220-240~
Rated Frequency (Hz)	50
Rated Current (A)	1.3
Total Input Power (W)	140
Refrigerant,Amount (g)	R600a,56
Fridge Volume (L)	321
Freezer Volume (L)	94
Freezing Capacity (kg/h)	4.4
Temperature Rise Time (h)	14
Defrost Power (W)	190
Vesicant	Cyclopentane
Net Weight (kg)	63
Noise dB (A)	39/C
Dimension (mm) [W*D*H]	710*685*1780

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1. SAFETY INFORMATION

In the interest of your safety and to ensure the correct use,before installing and first using the appliance,read this user manual carefully,including its hints and warnings.To avoid unnecessary mistakes and accidents,it is important to ensure that all people using the appliance are thoroughly familiar with its operation and safety features.Save these instructions and make sure that they remain with the appliance if it is moved or sold,so that everyone using it through its life will be properly informed on appliance use and safety.

For the safety of life and property keep the precautions of these user's instructions as the manufactureris not responsible for damages caused by omission.

Children and Vulnerable People Safety

•This appliance can be used by children aged from 8 years and above and persons with reduced physical,sensory or mental capabilities orlack of experience and knowledge if they have been given super vision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

•Children aged from 3 to 8 years are allowed to load and unload this appliance.

•Children should be supervised to ensure that they do not play with the appliance.

•Cleaning and user maintenance shall not be made by children unless they are aged from 8 years and above and supervised.

• Keep all packaging well away from children.There is risk of suffocation.

• If you are discarding the appliance pull the plug out of the socket,cut the connection cable(as close to the appliance as you can)and remove the door to prevent playing children to suffer electric shock or to close themselves into it.

•If this appliance featuring magnetic door seals is to replace an older appliance having a spring lock(latch)on the door or lid,be sure to make that spring lack unusable before you discard the old appliance.This will prevent it from becoming a death trap for a child.

General Safety

⚠Warning!

• Keep ventilation openings,in the appliance enclosure or in the built-in structure,clear of obstruction.

• Do not use mechanical devices or other means to accelerate the defrosting process,other than those recommended by the manufacturer.

• Do not damage the refrigerant circuit.

• Do not use other electrical appliances(such as ice cream makers)inside of refrigerating appliances,unless they are approved for this purpose by the m anufacture.

• Do not touch the light bulb if it has been on for a long period of time because it would be very hot.(If there is a light in the compartment.)

• When positioning the appliance,ensure the supply cord is not trapped or damaged.

• Do not locate multiple porta ble socket-outlets or portable power suppliers at the rear of the appliance.

• Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.

•The refrigerant isobutane (R600a) is contained within the refrigerant circuit of the appliance,a natural gas with a high level of environmental compatibility,which is nevertheless flammable.

• During transportation and installation of the appliance, be certain that none of the components of the refrigerant circuit become damaged.

-avoid open flames and sources of ignition

-thoroughly ventilate the room in which the appliance is situated

• It is dangerous to alter the specifications or modify this product in any way.Any damage to the cord may cause a short circuit,fire and/or electric shock.

•This appliance is intended to be used in household and similar applications such as

-staff kitchen areas in shops,offices and other working environments;

-farm houses and by clients in hotels,motels and other residential type environments;

-bed and breakfast type environments;

-catering and similar non-retail applications.

⚠Warning!

• Any electrical components(plug,power cord, compressor and etc.)must be replaced by a certified service agent or qualified service personnel.

• The light bulb supplied with this appliance is a"special use lamp bulb"usable only with the appliance supplied.

• This"special use lamp"is not usable for domestic lighting.

• Power cord must not be lengthened.

• Make sure that the power plug is not squashed or damaged by the back of the appliance.A squashed or damaged power plug may overheat and cause a fire.

• Make sure that you can come to the mains plug of the

appliance.

- Do not pull the mains cable.
- If the power plug socket is loose,do not insert the power plug.There is a risk of electric shock or fire.
- You must not operate the appliance without the lamp.
- This appliance is heavy.Care should be taken when moving it.
- Do not remove nor touch items from the freezer

compartment if you hands are damp/wet,as this could cause skin abrasions or frost/freezer burns.

- Avoid prolonged exposure of the appliance to direct sunlight.

Daily Use

- Do not put hot on the plastic parts in the appliance.
- Do not place food products directly against the rear wall.
- Frozen food must not be re-frozen once it has been thawed out.(If there is a freezer compartment.)
- Store pre-packed frozen food in accordance with the frozen food manufacturer's instructions. (If there is a freezer compartment.)
- Appliance's manufacturers storage recommendations should be strictly adhered to.Refer to relevant
- Do not place carbonated or fizzy drinks in the freezer compartment as it creates pressure on the container, which may cause it to explode, resulting in damage to the appliance. (If there is a freezer compartment.)
- Ice lollies can cause frost burns if consumed straight from the appliance.(If there is a freezer compartment.)
- To avoid contamination of food,please respect the following instructions
- Opening the door for long periods can cause a significant increase in the temperature in the compartments of the appliance.
- Clean regularly surfaces that can come in contact with food and accessible drainage systems.
- Clean water tanks if they have not been used for 48h;flush the water system connected to a water supply if water has not been drawn for 5 days.
- Store raw meat and fish in suitable containers in the refrigerator, so that it is not in contact with or drip onto other food.
- Two-star frozen-food compartments(if they are presented in the appliance)are suitable for storing pre-frozen food,storing or making ice-cream and making ice cubes.
- One-,two-and three-star compartments(if they are presented in the appliance)are not suitable for the freezing of fresh food.
- If the appliance is left empty for long periods,switch off, defrost, clean, dry and leave the door open to prevent mould developing within the appliance.

Care and Cleaning

Before maintenance,switch off the appliance and disconnect the mains plug from the mains socket.

Do not clean the appliance with metal objects.

Do not use sharp objects to remove frost from the appliance.Use a plastic scraper.(If there is a freezer compartment.)

Regularly examine the drain in the refrigerator for defrosted water.If necessary,clean the drain.If the drain is blocked, water will collect in the bottom of the appliance.(If there is a fresh-food storage compartment.)

Installation

⚠Important!

- For electrical connection carefully follow the instructions given in specific paragraphs.
- Unpack the appliance and check if there are damages on it.Do not connect the appliance if it is damaged.
- Report possible damages immediately to the place you bought it.In that case retain packing.
- It is advisable to wait at least four hours before connecting the appliance to allow the oil to flow back in the compressor.
- Adequate air circulation should be around the appliance, lacking this leads to overheating.To achieve sufficient ventilation follow the instructions relevant to installation.
- Wherever possible the spacers of the product should be against a wall to avoid touching or catching warm parts (compressor, con-denser) to prevent possible burn.
- The appliance must not be located close to radiators or cookers.
- Make sure that the mains plug is accessible after the installation of the appliance.

Service

- Any electrical work required to do the servicing of the appliance should be carried out by a qualified electrician or competent person.
- This product must be serviced by an authorized be used.

Energy Saving

- Don't put hot food in the appliance;
- Don't pack food close together as this prevents air circulating;
- Make sure food, don't touch the back of the compatment.
- If electricity goes off,don't open the door(s);

• Don't open the door (s) frequently;

• Don't keep the door (s) open for too long time;

• Don't set the thermostat on exceeding cold temperatures;

• All accessories, such as drawers,shelves balconies, should be kept there for lower energy consumption.

Environment Protection

This appliance does not contain gasses which could damage the ozone layer,in either its refrigerant circuit or insulation materials.The appliance shall not be discarded together with the urban refuse and rubbish.The insulation foam contains flammable gases:the appliance shall be disposed according to the appliance regulations to obtain from your local authorities.Avoid damaging the cooling unit,especially the heat exchanger.

The materials used on this appliance marked by the symbol are recyclable.

The symbol on the product or on its packaging indicates that this product may not be treated as household waste.Instead it should be taken to the appropriate collection point for the recycling of electrical and electronic equipment.

By ensuring this product is disposed of correctly,you will help prevent potential negative consequences for the environment and human health,which could otherwise be caused by inappropriate waste handling of this product.For more detailed information about recycling of this product, please contact your local council, your household waste disposal service or the shop where you purchased the product.

Packaging Materials

The materials with the symbol are recyclable.Dispose the packaging in a suitable collection containers to recycle it.

Disposal of the Appliance

1.Disconnect the mains plug from the mains socket.

2.Cut off the mains cable and discard it.

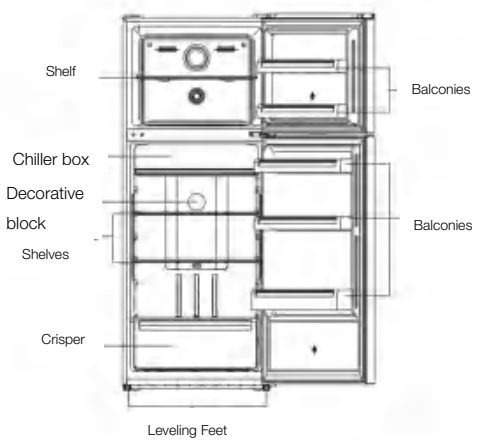
Warning!

During using,service and disposal the appliance,please pay attention to symbol similar as left side,which is located on rear of appliance(rear panel or compressor)and with yellow or orange color.

It's risk of fire warning symbol.There are flammable materials in refrigerant pipes and compressor.

Please be far away fire source during using, service and disposal.

2. OVERVIEW



This illustration is only for hinting,the detail please check your appliance.

3. INSTALLATION

Door Reversibility

Before reversing the door.please be prepared below tools and material: straight screwdriver,cross 8crewdriver, spanner and the components included in the poly bag:



Left hinger x 1



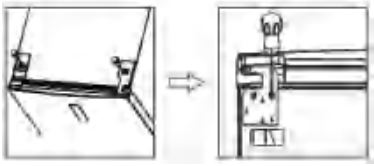
Left hinge cover x 1



Left middle stopper x 2

Left middle stopper metal block x 2

1.Close upper door,take out the screw from the top hinge covers by cross screwdriver. Take off hinge cover,disconnect the terminal, then unscrew top hinge and take off upper door.



2.Please up warp and take off plastic cover and wire sleeve by

straight screwdriver.Please be careful of the wire inside. Then move wire with connector to another side and install wire sleeve to another side and fix cover back.



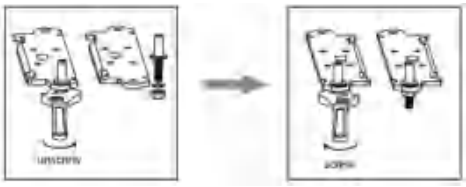
3.Unscrew from the middle hinge by cross screwdriver,then take off the lower door.



4.Laying down the refrigerator,take out the adjusting feet as below,then unscrew the lower hinge by cross screwdriver.



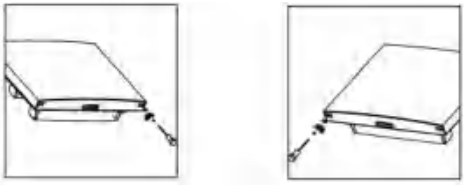
5.Unscrew and remove the bottom hinge pin,turn the bracket over and replace it.



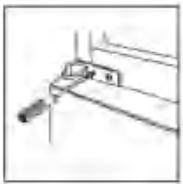
6.Refit the bracket fitting the bottom hinge pin.Replace both adjustable feet.Transfer the lower door to the property position.



7.Unscrew right middle stopper with metal block from bottom of upper door.And then install left middle stopper and metal block in left side of bottom of upper door. (The same operation as for lower door.)



8 Make the middle hinge reverse the direction 180 ℃, then transfer it to the left property position. Make the middle hinge pin in the upper hole of the lower door, then tight the screws.



9.Install the upper door,fix the upper door hinge onto the cabinet and connect the wire.



10.Take left hinge cover from accessary bag and install it with top hinge. Then install hole cover at right side.

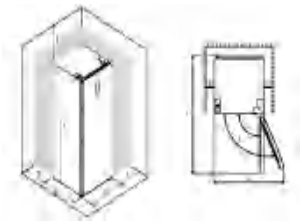


11.Detach the Fridge and the Freezer door gaskets and then attach them after rotating.



Space Requirement

- Keep enough space of door open.
- Keep at least 50mm gap at two sides and back.



A	700
B	680
C	1780
D	min=50
E	min=50
F	min=50
G	1400
H	1380
L	135°

Levelling the Unit

To do this adjust the two leveling feet at front of the unit.

If the unit is not level,the doors and magnetic seal alignments will not be covered properly.



Positioning

Install this appliance at a location where the ambient temperature corresponds to the climate class indicated on the rating plate of the appliance:

for refrigerating appliances with climate class:

- Extended temperate:this refrigerating appliance is intended to be used at ambient temperatures ranging from 10 ℃ to 32 ℃; (SN)
- Temperate:this refrigerating appliance is intended to be used at ambient temperatures ranging from 16 ℃ to 32 ℃;(N)
- Subtropical:this refrigerating appliance is intended to be used at ambient temperatures ranging from 16 ℃ to 38 ℃;(ST)

Tropical:this refrigerating appliance is intended to be used at ambient temperatures ranging from 16 ℃ to 43 ℃;(T)

Location

The appliance should be installed well away from sources of heat such as radiators, boilers,direct sunlight etc.Ensure that air can circulate freely around the back of the cabinet.To ensure best performance,if the appliance is positioned below an overhanging wall unit,the minimum distance between the top of the cabi-net and the wall unit must be at least 50 mm. Ideally, however, the appliance should not be positioned below overhanging wall units.Accurate leveling is ensured by one or more adjustable feet at the base of the cabinet.

⚠Warning!

It must be possible to disconnect the appliance from the mains power supply; the plug must therefore be easily accessible after installation.

Electrical Connection

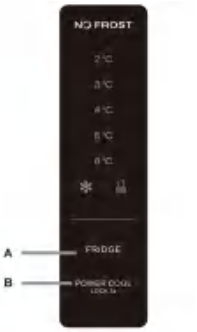
Before plugging in,ensure that the voltage and frequented shown on the rating plate correspond to dour domestic power supply.The appliance must be earthed.The power supply cable plug is provided with a contact for this purpose.If the domestic power supply socket is not earthed,connect the appliance to a separate earth in compliance with current regulations,consulting a qualified electrician.

The manufacturer declines all responsibility if the above safety precautions are not observed.

This appliance complies with the E.E.C.Directives.

4. DAILY USE

Using the Control Panel



1.1 Key Operation

A.Temperature Control of Fridge Compartment

B.Power Cool/Locking/Unlocking

1.2 Operating Condition

- The control panel is 100%lit up for 3 seconds,which operates exactly as per the setting(mode and temperature)before the power off.The system will be automatically locked 2 seconds after the last key operation.After locking,the light of the panel would be out 60 seconds after the last key operation.
- Both preset temperatures of fridge compartment would be shown on the display.

1.3 Display

●The panel will be lit up once the door of fridge compartment or freezer compartment is opened. (one door signal is sensed at a time)

●The panel will be lit up by any key operation whereas the light would be out 1 minute after the last operation.

1.4 Display during Normal Operation

●Temperature Display o the Fridge Compartment:Indicating the temperature of the current setting.

2.Illusion of the key

2.1 Temperature Control of the Fridge Compartment

This key is workable both in User Defined Mode as well as Super Mode.After entering the temperature control of the fridge compartment,this key flashes.By touching the key consecutively,the temperature would change in a circle of " 2℃, 3℃,4℃,6℃,8℃ ", after which 5-second flashing means the selection of temperature is settled.

2.2 Temperature Control of the Freezer Compartment

●Plug on your appliance.The internal temperature is controlled by a sensor.There are 3 settings COLD, COLDER,and COLDEST COLD is warmest setting and COLDEST is coldest setting.

●The appliance may not operate at the correct temperature if it is in a particularly hot or if you open the door often.



2.3 Power Cool/Locking/Unlocking

●Power Cool:Touch this key to Enter/Exit Power Cool Mode In the state of"Unlocking"

●When enter it,the indicator light and Automatic exit after N operation in 3 hours.

●Long Press to Enter/Exit Locking Mode

-Unlocking:Press for 3 seconds in the mode of locking,all the keys would be unlocked after the a beep.

-Locking:Press for 3 seconds in the mode of unlocking,all the keys would be locked after the a beep.

2.4 Press Button Short Beep after Per Press Button

All buttons will only valid under unlock mode.

2.5 Lock Function

No operation in 60 sec will lock the display automatically.

First Use

Cleaning the interior

Before using the appliance for the first time, wash the interior and all internal accessories with lukewarm water and some neutral soap so as to remove the typical smell of a brand new product, then dry thoroughly.

⚠Important!

Do not use detergents or abrasive powders,as these will damage the finish.

Daily Use

Position different food in different compartments according to be below table

Refrigerator Compartments	Type of Food
Door or balconies of fridge compartment	●Foods with natural preservatives,such as jams juices,drinks,condiments. ●Do not store perishable foods.
Crisper drawer (salad drawer)	●Fruits,herbs and vegetables should be placed separately in the crisper bin. ●Do not store bananas, onions, potatoes, garlic in the refrigerator.
Fridge shelf-middle	●Dairy products, eggs
Fridge shelf-top	●Foods that do not need cooking, such as ready-to-eat foods, deli meats, leftovers.
Freezer drawer (s) / shelf	●Foods for long-term storage. ●Bottom drawer / shelf for raw meat, poultry, fish. ●Middle drawer / shelf for frozen vegetables, chips. ●Top drawer/shelf for ice cream, frozen fruit, frozen baked goods.

Freezing Fresh Food

●The freezer compartment is suitable for freezing fresh food and storing frozen and deep-frozen food for a long time.

●Place the fresh food to be frozen in the bottom compartment.

●The maximum amount of food that can be frozen in 24 hours is specified on the rating plate

●The freezing process lasts 24 hours:during this period do not

add other food to be frozen.

Storing Frozen Food

When first starting-up or after a period out of use, efore putting the product in the compartment let the appliance run at least 2 hours on the higher settings.

Important!

In the event of accidental defrosting,for example the power has been off for longer than the value shown in the technical characteristics chart under"rising time",the defrosted food must be consumed quickly or cooked immediately and then re-frozen (after cooked).

Temperature Setting Recommendation

Temperature Setting Recommendation			
Environment Temperature	Freezer Compartment	Fridge Compartment	
Summer	 Set on colder-coldest	Fridge set on 4℃	
Normal	 Set on colder	Fridge set on 4℃	
Winter	 Seton colder~coldest	Fridge set on 4℃	

●Information above give users recommendation of temperature setting.

●In winter or temperature below 16℃,users should avoid set on coldest

●For energy saving,the coldest set only apply to special need (such as quick-freezing or ice making), and need tum back after special need.

Impact on Food Storage

●Under Recommended setting,the best storage time of fridge is no more than 3 days

●Under Recommended setting,the best storage time of freezer is no more than 1month.

●The best storage time may reduce under other settings.

Thawing

Deep-frozen or frozen food, prior to be used,can be thawed in the freezer compartment or at room temperature,depending on the time available for this operation.

Small pieces may even be cooked still frozen,directly from the freezer. In this case,cooking will take longer.

Accessories

1.Movable Shelves

The walls of the refrigerator are equipped with a series of runners so that the shelves can be positioned as desired.



2.Positioning the Door Balconies

To permit storage of food packages of various sizes, the door balconies can be placed at different heights. To make these adjustments proceed as follows:gradually pull the balcony in the direction of the arrows until it comes free, then reposition as required.



Helpful Hints and Tips

1.Hints for Freezing

To help you make the most of the freezing process,here are some important hints:

●The maximum quantity of food which can be frozen in 24hrs.is shown on the rating plate;

●The freezing process takes 24 hours.No further food to be frozen should be added during this period;

●Only freeze top quality,fresh and thoroughly cleaned,foodstuffs;

●Prepare food in small portions to enable it to be rapidly and completely frozen and to make it possible subsequently to thaw only the quantity required;

●Wrap up the food in aluminium foil or polythene and make sure that the packages are airtight;

●Do not allow fresh,unfrozen food to touch food which is already frozen,thus avoiding a rise in temperature of the latter;

●Lean foods store better and longer than fatty ones;salt reduces the storage life of food;

●Water ices if consumed immediately after removal from the freezer compartment,can possibly cause the skin to be freeze burnt;

●It is advisable to show the freezing in date on each individual pack to enable you removal from he freezer compartment,can possibly cause the skin to be freeze burnt;

●It is advisable to show the freezing in date on each individual pack to enable you to keep tab of the storage time.

2.Hints for Storage of Frozen Food

To obtain the best performance from this appliance,you should:

●Make sure that the commercially frozen foodstuffs were adequately stored by the retailer;

●Be sure that frozen foodstuffs are transferred from the food store to the freeze in the shortest possible time;

●Not open the door frequently or leave it open longer than absolutely necessary.

●Once defrosted,food deteriorates rapidly and cannot be refrozen.

●Do not exceed the storage period indicated by the food manufacture.

3.Hints for Fresh Food Refrigeration

To obtain the best performance:

●Do not store warm food or evaporating liquids in the refrigerator

●Do cover or wrap the food, particularly if it has a strong flavour

4.Hints for Refrigeration

Useful hints:

●Make (all types) :wrap in polythene bags and place on the glass shelves above the vegetable drawer.

●For safety,store in this way only one or two days at the most.

●Cooked foods,cold dishes,etc..these should be covered and may be placed on any shelf.

●Fruit and vegetables:these should be thoroughly cleaned and placed in the special drawer (s) provided

●Butter and cheese: these should be placed in special airtight containers or wrapped in aluminum foil or polythene bags to exclude as much air as possible.

●Milk bottle:these should have a cap and should be stored in the balconies on the door.

●Bananas, potatoes, onions and garlic, if not packed.

Cleaning

For hygienic reasons the appliance interior,including interior accessories,should be cleaned regularly.

⚠Caution!

The appliance may not be connected to the mains during cleaning Danger of electrical shock! Before cleaning switch the appliance off and remove the plug from the mains,or switch off or turn out the circuit breaker or fuse. Never clean the appliance with a steam cleaner. Moisture could accumulate in electrical components,danger of electrical shock! Hot vapors can lead to the damage of plastic parts. The appliance must be dry before it is placed back into service.

⚠Important!

Ethereal oils and organic solvents can attack plastic parts, e.g. lemon juice or the juice form orange peel, butyric acid, cleanser that contain acetic acid.

●Do not allow such substances to come into contact the appliance parts.

●Do not use any abrasive cleaners

●Remove the food from the freezer.Store them in a cool place,well covered.

●Switch the appliance off and remove the plug from the mains,or switch off or turn out the circuit breaker of fuse.

●Clean the appliance and the interior accessories with a cloth and lukewarm water.After cleaning wipe with fresh water and rub dry.

●After everything is dry place appliance back into service.

Setting the Humidity in the Crisper:

●Low humidity:move the regulator to the left

●Hight humidity:move the regulator to the right



Troubleshooting

⚠Caution!

●Before troubleshooting, disconnect the power supply. Only a qualified electrician of competent person must do the trouble shooting that is not in this manual.

●There are some sounds during normal use (compressor, refrigerant circulation).

Problem	Possible Cause	Solution
Appliance does not work	Mains plug is not plugged in or is loose	Insert mains plug.
	Fuse has blown or is defective	Check fuse,replace if necessary.
	Socket is defective	Mains malfunctions are to be corrected by an electrician.
Appliance freezes too much	Temperature is set too cold or the appliance runs at MAX setting.	Turn the temperature regulator to a warmer setting temporarily.
The food is not frozen enough	Temperature is not properly adjusted.	Please look in the initial Temperature Setting section.
	Door was open for an extended period.	Open the door only as long as necessary.
	A large quantity of warm food was placed in the appliance within the last24 hours.	Turn the temperature regulation to a colder setting temporarily.
	The appliance is near a heat source.	Please look in the installation location section.
Heavy build-up of frost on the door seal.	Door seal is not air-tight.	Carefully warm the leaking sections of the door seal with a hair dryer (on a cool setting). At the same time shape the warmed door seal by hand such that it sits correctly
Unusual noises	Appliance is not level.	Re-adjust the feet.
	The appliance is touching the wall or other objects.	Move the appliance slightly
	A component, e.g.a pipe, on the rear of the appliance is touching another part of the appliance or the wall.	If necessary, carefully bend the component out of the way.

Indicator lights flashing	Sensor fault	Inform the maintenance center

If the malfunction shows again, contact the Service Center.

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