

# ZANUSSI

REFRIGERADOR-  
CONGELADOR  
FRIDGE-FREEZER  
ZPC 428 D  
ZPC 428 DM

LIBRO DE INSTRUCCIONES

INSTRUCTION BOOKLET

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## Warning!

The appliance which you have just bought is supplied not only with the instruction manual, but also with a Warranty Card Certificate, on the back of which are written the relative conditions.

Please fill in the necessary details on the Card Certificate and send it to the Zanussi Centre covering the area in which the appliance is to be installed. (See list of Zanussi network centres).

We congratulate you on your choice. Read this instruction manual carefully and follow the recommendations it provides to benefit from years of excellent service.

The appliance which you have just purchased has been very accurately controlled throughout the entire manufacturing process. Nevertheless, should any problem arise during usage, whether it be during the warranty period, or when such period has expired, please contact your nearest Zanussi Service Centre immediately.

The address and telephone number of this Centre can be easily found in the enclosed List or by looking in the telephone directory, under Zanussi.

Our Zanussi Service Network is at your complete disposal, to serve you with maximum speed and efficiency, all you have to do is call.

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# WARNINGS

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It is most important that this instruction book should be retained with the appliance for future reference. Should the appliance be sold or transferred to another owner, or should you move house and leave the appliance, always ensure that the book is supplied with the appliance in order that the new owner can be acquainted with the functioning of the appliance and the relevant warnings.

These warnings are provided in the interest of safety. You must read them carefully before installing or using the appliance.

- This appliance is designed to be operated by adults. Children should not be allowed to tamper with the controls or play with the product.
- Any electrical work required to install this appliance should be carried out by a qualified electrician or competent person.
- This product should be serviced by an authorized Service Centre, and only genuine spare parts should be used.
- It is dangerous to alter the specifications or modify this product in any way.
- Care must be taken to ensure that the appliance does not stand on the electrical supply cable.
- The domestic refrigerators and freezers are designed to be used specifically for the storage of edible foodstuffs only.
- Frozen food must not be re-frozen once it has been thawed out.
- Manufacturers' storage recommendations should be strictly adhered to. Refer to relevant instructions.
- There are working parts in this product which heat up. Always ensure that there is adequate ventilation as a failure to do this will result in component failure and possible food loss. See installation instructions.
- Parts which heat up should not be exposed. Wherever possible the back of the product should be against a wall.
- Before any cleaning or maintenance work is carried out, be sure to switch off and unplug the appliance.
- If the appliance has been transported horizontally, it is possible that the oil contained in the compressor flows in the refrigerant circuit. It is advisable to wait at least two hours before connecting the appliance to allow the oil to flow back in the compressor.
- The inner lining of the appliance consists of channels through which the refrigerant passes. If these should be punctured this would damage the appliance beyond repair and cause food loss. **DO NOT USE SHARP INSTRUMENTS** to scrape off frost or ice. Frost may be removed by using the scraper provided. Under no circumstances should solid ice be forced off the liner. Solid ice should be allowed to thaw when defrosting the appliance. See defrost instructions.
- Do not place carbonated or fizzy drinks in the freezer as it creates pressure on the container, which may cause it to explode, resulting in damage to the appliance.
- This appliance is heavy. Care should be taken when moving it.
- Ice lollies can cause frost burns if consumed straight from the appliance.
- Under no circumstances should you attempt to repair the appliance yourself. Repairs carried out by inexperienced persons may cause injury or more serious malfunctioning. Refer to your local Service Centre, and always insist on genuine spare parts.
- This appliance does not contain gasses which could damage the ozone layer, in either its refrigerant circuit or insulation materials; it must nevertheless be disposed of in a proper manner, in accordance with regulations for protection of the environment.

# INSTALLATION

## Location

The appliance should be installed well away from sources of heat such as radiators, boilers, direct sunlight etc.

Best performance is obtained with ambient temperature between +18°C and +43°C (class T); +18°C and +38°C (class ST); +16°C and +32°C (class N); +10°C and +32°C (class SN).

The class of your appliance is shown on its rating plate.

For building into kitchen units follow the special "Building-in" instructions given.

## Power connection

Before plugging in, ensure that the voltage and frequency shown on the serial number plate correspond to your domestic power supply.

Voltage can vary by  $\pm 6\%$  of the rated voltage. For operation with different voltages, a suitably sized auto-transformer must be used.

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 specialist technician.

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

This appliance complies with EEC directive number 87/308 of 2/6/87 relative to radio interference suppression.

**CE** This appliance complies with the following E.E.C. Directives:

- 73/23 EEC of 19.2.73 (Low Voltage Directive) and subsequent modifications;
- 89/336 EEC of 3.5.89 (Electromagnetic Compatibility Directive) and subsequent modifications.

## Cleaning the appliance's interior

Before using the appliance for the first time, wash all internal parts with lukewarm water and neutral soap so as to remove the typical «new» smell and then dry thoroughly.

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

## Door reversibility

Reversing consists of changing the opening direction of the doors, which may be to the right or to the left.

### Warning

Before carrying out the operations described below, the appliance should be unplugged.

### Right hand door opening

Remove the screws (1), the upper and lower pivots (2) and the safety washer (4) from the left-hand side of the appliance (Fig. 1). Next remove the door's top hinge (3-Fig. 2a).

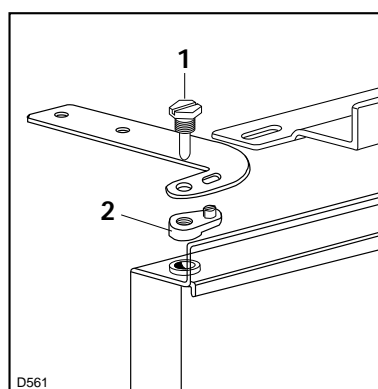


Fig. 1

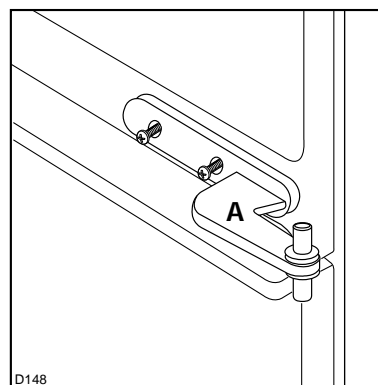


Fig. 2

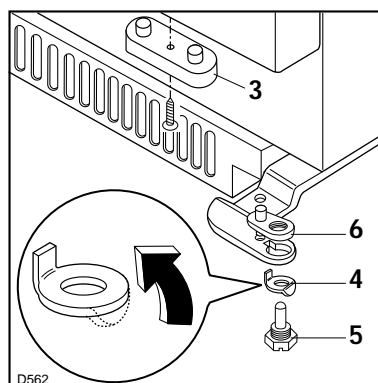


Fig. 2a

### Left hand door opening

Remove the screws and the upper pivots. Lift off the upper door. Remove the middle hinge (A-Fig. 2) and fix it to the other side, after having removed the little caps which cover the holes and which must be refitted on the opposite side. Replace the upper door and fix the screw and the upper left pivot into place. Straighten the safety washer (4) of the lower right hinge (Fig. 2a). Remove the screw and the pivot (6-Fig. 2a). For safety reasons, bend the safety washer located under the left hinge (Fig. 3), by using a suitable tool (for ex. a screwdriver). Remove the door's top right hinge (3-Fig. 2a).

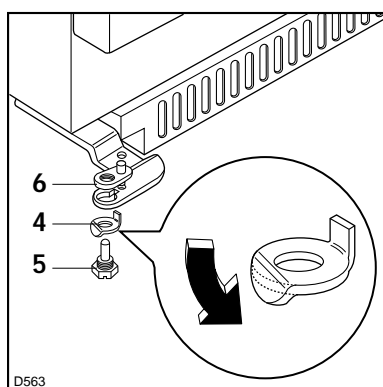


Fig. 3

### Fitting door panels

To fit the door panel, proceed as follows:  
Loosen the screws fixing the side frame (Fig. 4);  
loosen all the other screws fixing the door frame;  
insert the panel from the side on which the frame has been removed and push it through;  
refit the frame on the door again and tighten all the screws.

Note:

The panel size should be 1-2 mm lower than the door; the maximum panel thickness should be 4 mm.

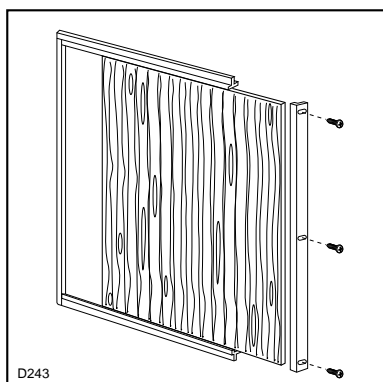


Fig. 4

### Building-in

The housing dimensions should be as follows:

Height	1580 mm
Minimum depth	550 mm
Minimum width	560 mm

Cooling air comes in through the ventilation grid at the bottom of the appliance. To ensure air circulation, leave a ventilation gap at the back of the appliance, having the following dimensions:

depth: 50 mm, width: 540 mm (Fig. 5).

A similar gap must also be left in the top of the kitchen furniture.

Fit the appliance into the housing and secure it with the the top frame screws (Fig. 5a) and the bottom hinge screws (Fig. 5a).

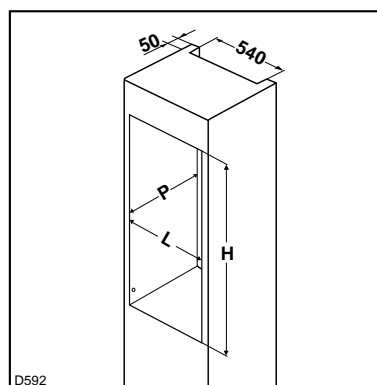


Fig. 5

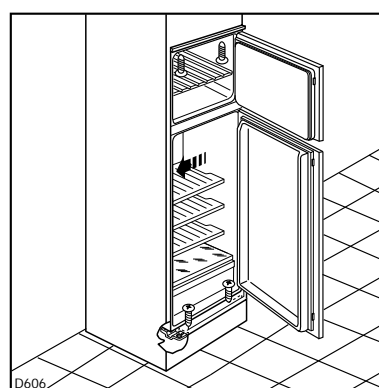


Fig. 5a

Note

After having installed the appliance in the appropriate space and having adjusted the opening direction of the doors as required, remove block (3-Fig. 2a) which is fitted on the side opposite the hinge.

## Starting-up and temperature regulation

Insert the plug into the wall socket. Open the refrigerator door and turn the thermostat knob, to be found on the top right hand side of the inner liner, clockwise beyond the «O» position, to start the appliance.

Temperature adjustment is obtained by turning the thermostat knob to the required setting. A medium setting is generally the most suitable. However, the thermostat knob setting should be adjusted depending on the temperature required inside the appliance. This, in turn, depends on a number of factors such as the ambient temperature, the number of times the door is opened, the quantity of food stored and the location of the appliance.

Turn the knob clockwise, to higher numbers, to obtain a lower temperature, or anticlockwise if a higher temperature is required.

## Freezing fresh food

The 4-star compartment (❄️❄️❄️❄️) is suitable for long term storage of commercially frozen food and for freezing fresh food. Freezing capacity is 3 kg/24 hours.

Under normal circumstances, to freeze fresh foods it is not necessary to change the setting of the thermostat knob with respect to the normal running position.

However, for a faster freezing operation, turn the thermostat knob to the coldest setting; but remember that, in this condition, the refrigerator compartment temperature might drop below 0°C. If this occurs reset the thermostat knob to a warmer setting.

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

Only freeze top quality, fresh and thoroughly cleaned, foodstuffs.

Prepare the fresh 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 at the time.

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

The food to be frozen must be placed on the freezer compartment shelf; in this way, the higher temperature of the food to be frozen cannot increase the temperature of frozen foods.

Never load a larger quantity of foods than that recommended.

During freezing, never add other food to be frozen and do not open the door too often.

Freezing is completed after 24 hours from the start.

On the inner door of the ❄️❄️❄️❄️ compartment you will find a list of foods followed by a number. These numbers indicate the maximum period of time for which the food in question may be stored (in months).

## Important

Do not put carbonated liquids (fizzy drinks, etc.) in the freezer compartment as they may burst. Remember that, once thawed, frozen food deteriorates rapidly.

## Storage of frozen food

Hints for the storage of commercially frozen food:

Do not open the door frequently or leave it open longer than is absolutely necessary.

If there is a power failure when food is in the freezer, do not open the door of the freezer compartment.

Frozen food will not be affected if the power cut is of short duration, otherwise it is recommended that the food be used within a very short time.

The interval between the time you buy frozen foods and when you put them in the freezer should be as short as possible.

The expiry dates on the packages should never be exceeded.

## Thawing

Deep-frozen or frozen food, prior to being used, can be thawed in the refrigerator 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.

## Food refrigeration

To achieve the best results with the refrigerator compartment, you should follow one or two very simple rules:

Do not put warm foods or evaporating liquids in the refrigerator. Cover or wrap foods (particularly if they have a strong smell). Do not cover the shelves (grids) with paper or plastic since this blocks circulation of air in the compartment.

For a correct use of the compartment we suggest:

Raw meat: wrap in polythene bags and place on top of the salad crisper and, for safety, only store in this way for one or two days at the most.

Fruit & vegetables: these should be thoroughly cleaned and placed in the bottom salad crisper.

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

Milk bottles: these should have a cap; store them in the bottle rack on the door.

## Movable shelves

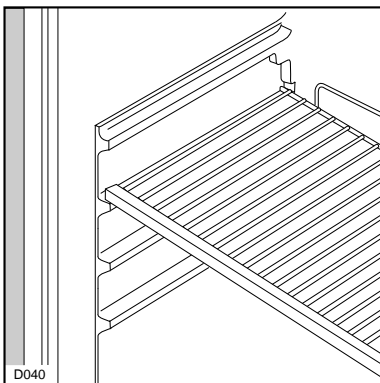


Fig. 6

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

## Positioning the door shelves

To permit storage of food packages of various sizes, the door shelves can be adjusted in height.

To make these adjustments proceed as follows: Gradually pull the shelf in the direction of the arrows until it comes free, then reposition as required (Fig. 7).

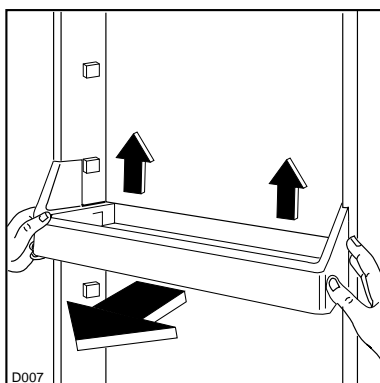


Fig. 7

For more thorough cleaning, the top door shelf can be removed by pulling it in the direction of the arrows, then refitting it in position (Fig. 8).

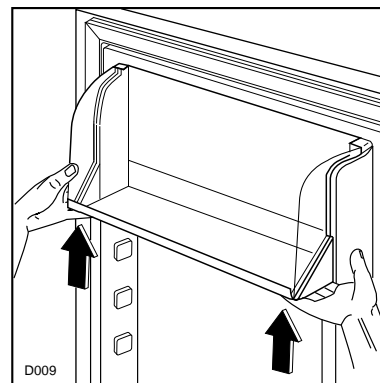


Fig. 8

## Defrosting

Frost is automatically eliminated from the evaporator of the refrigerator compartment every time the motor compressor stops, during normal use. The defrost water drains out through a trough (Fig. 9) into a special container on the back of the appliance, where it evaporates.

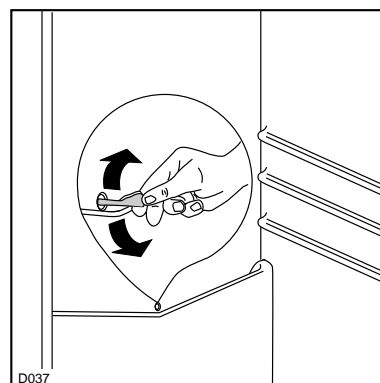


Fig. 9

The freezer compartment, however, will become progressively covered with frost. This should be removed with the special plastic scraper provided, whenever the thickness of the frost exceeds 4 mm.

During this operation it is not necessary to switch off the power supply or to remove the foodstuffs. However, when the ice becomes very thick on the inner liner, complete defrosting should be carried out and it is advisable to carry out this operation when the appliance is empty.

To carry out complete defrosting of the (❄️❄️❄️) freezer compartment proceed as follows:

Unplug the appliance from the power supply or set the thermostat to position «O». Remove the frozen foods and wrap them in several sheets of newspaper, then keep them in a cool place.

Leave the door open.

Place a basin on the refrigerator compartment shelf underneath the drainage hole and pull the plug downward (Fig. 10); to reinsert it, just push it up. The plug can be removed by pulling it downwards when the drainage hole is to be cleaned.

After complete defrosting dry the refrigerator compartment thoroughly.

Reconnect the appliance to the power supply, start it up and, after half an hour, replace the foods previously removed from the freezer.

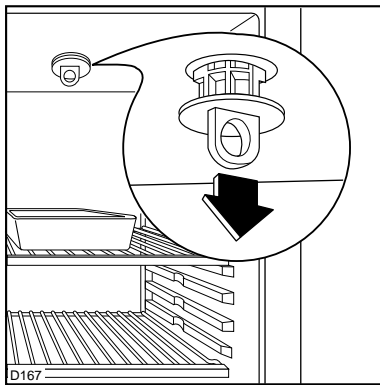


Fig. 10

#### Important

Remember that an increase in the surface temperature of already-frozen foods may significantly decrease their storage life. Never use knives or metal objects to scrape away the accumulated frost since you may damage the cooling circuit.



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## MAINTENANCE

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Prior to undertaking any maintenance operation, be sure to unplug the appliance from the wall socket as a safety precaution.

Clean the interior periodically with lukewarm water and some sodium bicarbonate; the cabinet exterior with a silicone wax spray; the condenser and the motor compressor with a brush or a vacuum cleaner.

During periods when the appliance is not in use, take the following precautions:

- unplug the appliance from the power supply;
- remove all foodstuffs from the appliance;
- clean the interior and all accessories;
- leave the doors ajar to allow air to circulate inside the cabinet so as to prevent the formation of unpleasant odours.

### Interior light bulb (Fig. 11)

The light inside the refrigerator compartment is easy to get at.

If the light does not come on when the door is opened, make sure it is properly fitted; if the malfunction continues, replace the light bulb using a new light bulb with the same rating.

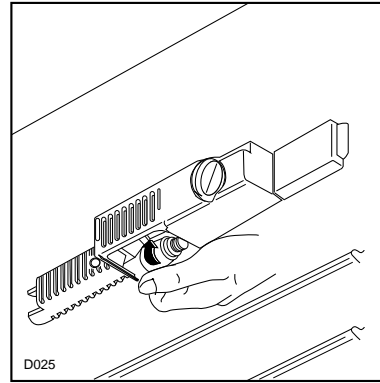


Fig. 11

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## SERVICING

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If the appliance is not functioning properly check that:

- the plug is firmly in the wall socket and the mains power switch is on;

- there is no power failure; the control knob is in the right position.

If there is water on the fridge bottom, make sure the defrost water drain hole is not clogged (Fig. 9).

To do this, use the cleaner provided which can be found in the drain hole.

If your appliance is still not working properly after making the above checks, contact your local dealer or the nearest service center.

To obtain fast service, it is essential that when you apply for it you specify the model and serial number of your appliance which can be found on the warranty certificate or inside the appliance on the rating plate.

