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You can read the recommendations in the user guide, the technical guide or the installation guide for DAEWOO FRS-2031WAL. You'll find the answers to all your questions on the DAEWOO FRS-2031WAL in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual DAEWOO FRS-2031WAL
User guide DAEWOO FRS-2031WAL
Operating instructions DAEWOO FRS-2031WAL
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Be sure to keep for safety !

■ Read this safety instructions thoroughly and carefully before using. Please keep this user guide at hand for future reference.



Indicates the possibility of danger of death or serious injury

WARNING



Indicates the possibility of risk of personal injury or material damage

CAUTION

Other Signs



DO NOT remove or disassemble!



NO, DO NOT...



Be sure to unplug from receptacle (outlet/mains)!



Be sure to keep and follow!



• If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
• Appliance must be positioned so that the plug is accessible

WARNING



Never let power cord be crushed by refrigerator itself or other (heavy) objects. Never bend power cord excessively.

• If cord is damaged or peeled, it can be a cause of fire and electric shock.



Do not plug several appliances into same wall outlet (receptacle).

• It can be a cause of overheating and/or fire. Use an exclusive grounding receptacle for the refrigerator.



Never hold the power cord or plug with wet hands.

• There is a risk of electric shock.



Never use damaged power cord or plug, loose receptacle.

• There is a risk of fire, electric shock or serious injury.



Be sure to ground. Check if your wall outlet is grounding (earthed) one.

• There is a risk of electric shock hazards.



Never unplug by pulling only the power cord wire. Always grip the plug firmly.



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Manual abstract:

If cord is damaged or peeled, it can be a cause of fire and electric shock. Do not plug several appliances into same wall outlet (receptacle). It can be a cause of overheating and/or fire. Use an exclusive grounding receptacle for the refrigerator. Never use damaged power cord or plug, loose receptacle. There is a risk of fire, electric shock or serious injury. Never hold the power cord or plug with wet hands. There is a risk of electric shock. Be sure to ground. Check if your wall outlet is grounding (earthed) one.

There is a risk of electric shock hazards. Never unplug by pulling only the power cord wire. Always grip the plug firmly. 1 WARNING Let the cord from the plug outlet be directed Downwards. If it directed up, the cord near the plug is bent and can be damaged, which can cause electric shock or fire.

Never let the power cord touch or pass over heating appliances. Power cord can be damaged, resulting in a risk of electric shock hazards. Do not install refrigerator on a wet floor or in a place with much humidity moisture. Electric insulation gets weakened, resulting in a risk of electric shock hazards.

WARNING Do not store medicine, academic research samples which require strict temperature control in the refrigerator.

Never insert fingers or hands into the bottom of refrigerator, especially into the bottom back. You can be hurt by sharp metal edges or can receive an electric shock. When you find the power cord damaged or cut, call the service agent immediately. Check if plug is loose from the wall outlet. Electric insulation gets weakened, resulting in a risk of electric shock hazards. Do not change fuse or light bulb on your own. Call the service agent to change them. When you get rid of your old refrigerator, be sure to remove the door packings first. Children can be entrapped and suffocated in an abandoned refrigerator. Leave it just a few days! is very dangerous.

Never pour or spray water into the refrigerator (both interior and exterior). Electric insulation gets weakened, resulting in a risk of electric shock hazards.

Do not let children hang on the refrigerator doors. Refrigerator can fall and do harm to them. Do not place containers with water or liquid on top of refrigerator. Water can be poured into the refrigerator and can cause electric shock hazards or damage. CAUTION Be sure to unplug when the refrigerator is not used for a long time. Never touch foods and containers especially of metal with wet hands in the freezer compartment. You can be hurt by chilblains or cold burn. Never eat any decayed or deteriorated food at all.

Never place bottles and containers of glass in the freezer compartment. Glass containers and bottles can be broken so can hurt you. Be sure to turn up the wheel first before moving the refrigerator. The wheels can damage or scratch the floor. If you move it a long distance, never forget to fasten the interior parts tightly with tapes.

The parts can shake to break each other. Do not move or remove compartment shelves/pockets while foods and containers are on them. Hard container (of glass, metal etc.) can fall to hurt you and can break shelf glass and interior parts. Never store any flammable gas or liquid in the refrigerator.

Never repair or disassemble or amend refrigerator on your own There is a risk of personal injury or damage to the refrigerator. It is recommended that any service be carried out by a qualified person. Never use flammable gas, benzene, thinner, gasoline, spray etc. near the refrigerator. There is a risk of fire, explosion and personal injury or damage. Foods stored too long in the refrigerator can be decayed or deteriorated. If a gas leak found near the refrigerator or in the kitchen, ventilate it immediately without touching power plug or refrigerator. When moving the refrigerator (laid or tilted), more than 2 persons are required to hold it. (One to hold top back handles, the other, bottom holder.) If other parts gripped, it is very dangerous and likely to slip.

2 3 Installation Guide Read these safety instructions carefully before use and follow precautions for your safety. Control Panel Optical Sensor Precautions in installation and power connection To prevent fire, electric shock or leakage Never install the refrigerator on a wet, watery floor or where water can easily gather. Check the following before power connection. Connect power plug only to a grounding wall receptacle (an earthed mains). Do not plug refrigerator power together with other appliances to a same receptacle(socket). Do not use an adapter plug or an extension cord. Do not let power cord be crushed down by other (heavy) objects. If you hear strange noise or strong chemical odor or find smog etc. from the refrigerator after power plugin, pull out the plug immediately and call the service. Wait about 5 minutes before you plugin again in order to prevent any damage to the compressor and electrical devices of refrigerator.

Wait 2~3 hours until the inside gets cold enough after first power plugin, then store foods in. (There can be some peculiar smell of plastic parts at initial operation of refrigerator after plugin. The smell fades away as refrigerator works and doors are opened and closed.) FILTER NORMAL CHANGE WATER CUBED ICE CRUSHED ICE If you fill the refrigerator with much foods or in case of frequent door openings, Speed Mode starts automatically to maintain optimal condition of temperature. Optical Sensor in the top center of the panel senses the amount of light surrounding the refrigerator.

- When it decides that it is dark (night), Silence Mode starts. Refrigerator works on in minimum operation condition, so it makes little or less working noise. - [Notice] Do not let the Optical Sensor be covered by memo sheet (Post-it) etc. It shows that the digital control system is working the refrigerator. (The icon is always on while the refrigerator is working.

) As long as the refrigerator is working deodorization is always on. The NORMAL (Green LED) is ON for 6 months after the first installation of refrigerator. - When the time comes to change the filter or RESET, press the [ICE MAKER LOCK] for 3 seconds or more while pressing the [LOCK] button, then the LED will change to NORMAL(Green). Children may push any button on the panel for fun, resulting in disorder of temperature and function of refrigerator. - Press this button to lock out this case and to keep temperature and function setting. - Push Lock button again for more than a second to stop it. WATER / ICE For your convenience you can select WATER / CUBED ICE or CRUSHED ICE. A rectangle line around the icon lights up to indicate your selection is ON. To obtain the water or ice, push the pad smoothly with your cup and your selection will come out 1~2 seconds later. - Try to avoid placing the rim of your glass near the bottom of the pad, otherwise Water or Icecubes may spill or splash.

- You will hear a snap sound 2 seconds after the icecubes come out. This is from the shut off ice-out valve.



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- Wait 2~3 seconds after pushing the pad to get all the available water or ice cubes. If you need total silence from the refrigerator just push sleep button. This mode works for maximum 12 hours and then it returns to the previously set mode. When you want to stop the mode, just push the button again and it also returns to the previously set mode. ICE MAKER LOCK Precautions in use To prevent personal injury, fire, electric shock etc. read this user guide carefully before use and keep it at hand for any reference. When cleaning the icecubes case assembly or when you do not use for a long period of time, remove the icecubes in the ice storage case and press the button to stop making icecubes. Interior lights of refrigerator turn off when the doors are open for more than 10 minutes.

In case either freezer or refrigerator door is open for more than a minute, door alarm rings for 5 minutes with 1 minute interval. Accessories LCD Background Light The LCD light turns on in the following case to help you control the panel easily ; When the refrigerator is plugged in When you push a button (The background light turns on first, then button mode is activated.) When you open the door If you push a button when the backlight is off, only the backlight turns on and it does not affect any other button mode. Egg case Egg cradle Filter Box Water supply Kit User guide The LCD light turns off in the following case to save energy consumption ; 1 minute after power plug in 10 seconds after the door is closed No other button is pushed for more than 1 minute after button selection When you look at LCD display from side or down, not from front, the display (letters, icons and signs) can look faded or dim. 4 5

Temperature Control When this refrigerator is first plugged in, the temperature mode is set to [Middle].

How To change Interior Light Bulb The lamp shall be replaced only by a service agent or similarly qualified person. Optical Sensor Change of Freezer Lights WATER CUBED ICE CRUSHED ICE Freezer Compartment Push the FREEZER SET. button and the setting temperature changes as the figure shows. >>> Sequential Temperature Change <<< Refrigerator Compartment Push the REFRIGERATOR SET. button and the setting temperature changes as the figure shows.

>>> Sequential Temperature Change <<< Remove screw caps bottom of light cover with a tiny tip screw driver. Remove 2 screws of light cover. Hold the bottom of light cover and pull forward to remove. Change the light bulb. Follow the reverse order of disassembling after changing the light Change of Refrigerator Lights Refrigerator Top Lights Faster Freezing... When you want faster freezing, push the SUPER FREEZER. button, then QUICK icon turns on and the mode starts. Just push the button once again when you want to stop the mode.

Faster Cooling or Refrigeration When you want faster refrigerating, push the SUPER REFRIGERATOR. button, then QUICK icon turns on and the mode starts. Just push the button once again when you want to stop the mode. Remove screw caps bottom of light cover with a small tip screw driver. Remove screws of light cover. Hold the bottom of cover and pull forward to remove. Change the light bulbs. Follow the reverse order of disassembling when assembling back. Refrigerator Bottom Lights LOCK ON / OFF CUBED ICE WATER CUBED ICE CRUSHED ICE The inside temperature can vary according to door openings, amount of foods, surrounding temperature etc. @@(For example) The refrigerator is working on [LOW Mode].

--> [SUPER FREEZER.] starts and ends. --> Returns to [LOW Mode] again. The inside temperature can vary according to door openings, amount of foods, surrounding temperature etc. @@(For example) The refrigerator is working on [LOW Mode].

--> [SUPER REFRIGERATOR.] starts and ends. @@@@in the refrigerator. @@(Do not use the case for storing ice cubes nor place in the freezer compartment.) Food Storage Tips Wash foods before storing.

Vegetable Case & Chilled Case Refer to page 7. Fruit Case Forlt; If the amount of water which is supplied to the icemaker needs adjusting.

@@@@@@@@@@@@@@@@@4th and 5th pocket Removing ; Remove Pocket Guide first, then Pocket. @@@@Replacing ; Fit to the side grooves and insert to the end. @@@@Don t worry. @@@@Is the temperature set to [Low Mode] ? @@@@Set the temperature mode to Middle or High. @@@@Warn air rushes into the inside to make the pressure difference. In this case wait for a minute, then it will open easily. Door is sticky Doors are not to open easily. Foods in the refrigerator get frozen.

Is temperature set to [Strong] ? Is surround temperature too low ? Is foods with much moisture stored close to the cold air spout ? Set the temperature to [Middle] or [Low]. Foods can be frozen if ambient temperature is below 5 . Move to a place where the temperature is over 5 . Place foods with moisture on the shelves close to the doors. It sounds like water is flowing from the refrigerator. ge Stran d Soun When the compressor starts to run or stops, refrigerant which makes the inside cold flowing in the pipes can make such a sound. Defrosted water can also make such a sound. (This refrigerator adopts an automatic defrosting system.) Inside parts shrink and/or expand due to temperature change ---When the inside gets cold or when the door is open ---such sound can be made. Something cracking or click sound.

Strange sound from the refrigerator Is floor beneath the refrigerator uneven ? Is the space between refrigerator back and the wall too close ? Does other stuff touch the refrigerator ? Move the refrigerator to a level and even floor. Keep sufficient space. Remove any object a way which touches the refrigerator.

Humming or buzz sound. Compressor or fans for cold air circulation can make such working sound.

(If the refrigerator is not level, the sound can be louder.) Odor or disgusting smell from the inside Is food stored uncovered or unwrapped ? Are the shelves and pockets stained with foods stuff ? Is food stored too long ? Be sure to cover and wrap the foods. Clean them regularly. Once smell gets soaked to those parts, it is not easy to remove. Do not store foods for so long.

Refrigerator is neither a perfect nor a permanent foods keeper. Frost w & De Dew or frost on the wall and/or food container surface in the freezer and refrigerator compartment. Frost and/or dew can be made in the following cases ; High temperature and/or high humidity around the refrigerator When doors are open too long Foods with much moisture are stored uncovered or unwrapped You can see the same appearance when cold water is poured in a glass cup and dew is forming on the surface of it. The light bulb radiates heat while it is on, so when doors are open too long, dew can form on the light cover due to temperature difference. Dew on the interior lights cover Dew on the cabinet surface In case it is highly humid around the refrigerator, moisture in the air sticks to the surface to form the dew.



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14 15 Installation Preparation Check if the refrigerator can pass a doorway or enter a door first. Dimensions(including Door Handles) If the refrigerator can not enter the door, follow these steps. Removing Freezer Door Remove front bottom cover first, if it is attached. 1 FRS-20***** FRS-24***** (Width*Depth*Height) 928mm (Width*Depth*Height) 928mm 816mm 896mm 1808mm 1808mm Remove the bottom cover first. Pull out the left collar of the coupling first, then hold the coupling and pull out the left water tube.

2 Unscrew top hinge cover with a screw driver. Insert a thin screw driver into the side groove of the cover to remove. 3 Turn top hinge fastener counterclockwise 3~4 times. Disconnect the harness wires. !! 4 Lift up the front of hinge to remove. (After the hinge is removed the door can fall down forward. Be careful !) 5 @ Be careful not to damage the water line when removing the door. !! @ Removing Refrigerator Door Find a suitable place to install Sufficient space from refrigerator back to the wall for free air ventilation Avoid direct sunlight. top hinge cover with a screw driver. 1 Unscrew thin screw driver into the Insert a side groove of the cover to remove.

! counterclockwise 3~4 2 Turn top hinge fastener times. Disconnect harness wires. the front remove. (After is removed the door 3 Lift up the hinge of hinge Be to careful !) can fall down forward. 4 Once the installation place is ready follow the installation instructions.

Lift the door straight up to remove. !! @ If surround temperature of refrigerator is low (below 5), foods can be frozen or the refrigerator can work in abnormal way. @ 16 17 Refrigerator Leveling & Door Adjustment (If needed.) Refrigerator must be level in order to maintain optimal performance and desirable front appearance. (If the floor beneath the refrigerator is uneven, freezer and refrigerator doors look unbalanced.

) Replacing Freezer Door into the hole of the bottom hinge pin first, then 1 Insert the water tube freezer door into Insert the bottom of the bottom hinge pin. the hole freezer top close to the door to the 2 Insert straight bottom of hinge pin. 3 Let to the and of door the top door. cabinet insert hinge pin the top hole of freezer (Insert the back of hinge to the groove of protrusion first, then front to the top hole of door.) ! In case freezer door is lower than refrigerator door... the doors, screw driver (flat tip) into 3 hinge bolts(1 left + 2 1 Insert a of and turn it wheel (bottom of the 2 Open and remove, unscrew the front 3 Loosen right) a little. (Do not unfasten groove the left cover if it is attached. on the not freezer) clockwise until them completely.

) Insert a hexagonal door is balanced. (clockwise to raise freezer door ; counterclockwise to lower) Unless the freezer door is balanced by step 1, then follow the next steps. wrench into the groove of adjusting nut and turn clockwise until the door is level. the hinge bolts tightly and screw the 4 Once the door is balanced, fasten front cover. # \$ @ ! 4 Turn the hinge fastener tightly to the end. Connect harness wirings and screw ground wire. 5 Insert the water tube far into the coupling. Hinge Bolt The front of refrigerator needs to be higher just a little than the back for easy door closing, but if the wheel is raised too much for door balance, i.e. front of refrigerator is too higher than the back, it can be difficult to open the door.

In case refrigerator door is lower than freezer door... Loosen 3 hinge bolts(2 screw driver the hinge bolts tightly. right) a little.

not unfasten groove right wheel (bottom of 1 Insert a of the and turn (flat tip) into a until 2 on the completely.) (Do on the left + 1 3 Once the door is balanced, fasten them refrigerator) it clockwise the door is balanced. (clockwise to raise refrigerator door ; counterclockwise to lower) Unless the refrigerator door is balanced by step 1, then follow the next steps. Insert a hexagonal wrench into the groove of adjusting nut and turn clockwise until the door is level. Replacing Refrigerator Door top of door close to the bottom to the cabinet the pin door bottom hinge pin 1 Insert straight to the hole of refrigerator 2 Let the and insert freezer top hinge the 3 Turn the hinge fastener tightly screw end.

to top hole of door. Connect harness wirings and ! (Insert the back of hinge to the groove of protrusion first, then front to the top hole of door.) ground wire. Click and screw the top hinge cover. !! @ ! @ Front Cover After installation and/or door leveling, fasten front cover with screws. (Remove the screws on the front bottom panel first. Click and screw the cover) Attaching of Water Filter Holder Remove the back paper of the tape on the filter holder and attach the filter holder on a suitable place. @ 18 19 How to install Water Line 1. Automatic ice maker operation needs water pressure of 147~834 kPa (1.5~8.

5kgf/cm²) (That is, an instant paper cup (180 cc) will be fully filled within 3 sec.). If water pressure does not reach the rating 147 kPa (1.5 kgf/cm²) or below, it is necessary to purchase a separate pressure pump for normal automatic icing and cool water feed. 2. When installing the water tubes, ensure they are not close to any hot surfaces. 3. The water filter only filters water ; it does not eliminate any bacteria or microbes. 4. Keep the total length of the feed water pipe tube within 12 m and be careful for the tube not be bent.

If the tube is 12 m or longer it may cause trouble in water feed owing to the drain water pressure. 5. The filter life depends on the amount of use. We recommend you replace the filter at least once every 6 months. @ @ @ @ 7.

@ @ @ 8. The water tube should be connected to the cold water line. 3. @ @ Some other necessary parts are available at your local service agents. 1) Open the main tap water valve and check if water comes out of the Water Tube.

2) Check if the Water Valve is open in case water does not come out. 3) Leave the valve open until clean water is coming out. Initial water may contain some substances out of filter (manufacturing process). Tap Conector (3014454510) (3012020700) 4. Attach the Filter Box 1) Screw and fasten the filter holder to the left/right side of the back of refrigerator. In case the holder is not fastened well, remove the back paper of the tape on the filter holder and attach it." 3011202000 (7112401211) 2) Insert the filter box into the holder. (3010541600) (A:3019503200 B:3019503300) 5. Connect the Water Tube to the refrigerator. 1) Remove the rear cover at the bottom back of the refrigerator.

2) Insert the fastening ring into the Water tube. (Be careful to follow the direction of the nut.) 3) Insert the Water Tube into the top of Water Valve, turn the nut clockwise to fasten it. (The Water valve is to the right of the motors.) 4) Check for any bent tubes or water leaks; if so, re-check installation procedure. 5) Replace the rear cover.



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(The Water Tube should be placed between the groove of the refrigerator back and motor cover.) Caution Water Tube Water Tube Nut Water Valve
Installation Procedure 1. Join Connector to the tap water line 1) First lock the main tap water valve. Check if connector B and C has its own rubber packing ring in it.
2) Join Connector-C to the water tap, then Connector -B to connector -C with a wrench or spanner. 3) Insert water pipe into Connector-B and join Connector-A with a wrench or spanner. 4) In case Connector-C does not fit water tap join Connector-B directly to the tap.(See Figure B.) If no connector fits water tap, call your local service.
5) Unlock main tap water valve, open tap water and check if any water leaks on each joins. Caution <Figure A> Set the tube upright as the figure shows. 6. Fasten the Water Tube. 1) Fasten the Water Tube with the [Fastener A] .
<Figure B> 2) Check if the tube is bent or squeezed. If so, set it right to prevent any water leak. Fastener A Place the rubber washer inside the tap connector and screw onto the water tap. Water Tube 2. Get ready to install the Water Filter 1) Measure an approximate distance between the filter and the Water Tube and cut the tube off filter vertically. 2) Connect the tubes to the filter as the figure shows. Caution Tap Side Water Tube Filter Box 7. After installation of Water Supply System 1) Plug the refrigerator, press the [WATER] button on the control panel for 2~3 minutes to remove any air (bubble) in the pipes and drain out the initial water. 2) Check the water leak again through the water supply system (tubes, connectors and pipes) Rearrange the tubes again and do not move the refrigerator. Water Tube Tap Conector A right angle Leave a sufficient distance when cutting the tubes.
Ref Side 20 21 Be sure to keep for safety Installation Guide Control Panel Temperature Control How To change Interior Light Bulb How to use interior Parts How to use the Dispenser How to use Automatic Icemaker Care & Cleaning Before You Call for Service... Something strange? Don't worry. Here is the answer Installation Preparation If the refrigerator can not enter the door, follow these steps Refrigerator Leveling & Door Adjustment(if needed.) How to install Water Line 1~3 4 5 6 7 8~10 10 11 12~13 14 15 16 17~18 19 20~21 Code: S241-3 PU SH PU SH .



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