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Thank you for purchasing a Hitachi front loading washing machine.

- Please read these operating & installation instructions carefully for proper operation of the machine.
- Please keep these operating & installation instructions for future reference.

Environmentally Friendly Waste Disposal

Disposing of the packaging

The shipping package has protected your new washing machine on its way to your home. All materials are ecologically harmless and recyclable. Please contribute to a better environment by disposing of packaging materials in an environmentally conscious manner.

Please ask your dealer or inquire at your local authorities about current means of disposal.

Risk of choking!

Do not let children play with packaging and associated parts. Risk of choking on plastic film and collapsible boxes.

Disposing of your old appliance

Old appliances are not worthless rubbish. Environment-conscious recycling can reclaim valuable new materials.

Danger of death!

Unplug mains plug on redundant appliances. Cut off mains cable and discard with mains plug.

Destroy the lock on the door. To prevent playing children from being trapped and endangered, ensure that the door locking mechanism is disabled.

If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.

Hints and Tips for Eco-Friendly Washing

- Keep to the load limit of each program.
- Your washing machine automatically adjusts the operating time and amount of water of each program depending on the load.
- You only need to use the Prewash or Intensive options if your laundry is heavily soiled.
- Add detergent according to the degree of soiling, laundry size and water hardness, and follow the detergent manufacturer's instructions.
- Using the Cotton program with water temperature at 60°C setting instead of the Cotton program with water temperature at 90°C will save energy, and will remove ordinary stains. Better still, in areas where the temperature is high, you can remove ordinary stains without using hot water by setting 'Cold' programs for more economically friendly operation.

Safety Instructions

Before operating the washing machine, please read these safety instructions carefully.



Warning

Issues which could cause death or serious injury

General safety

- Do not dismantle, repair or modify the appliance.
→ This could cause malfunction, fire, electric shock or injury.
→ For repair, please contact your local service center.
- Do not put fire sources or anything inflammable in or near the washing machine (gas, diesel, petrol, thinner, alcohol or clothes stained with these substances).
→ This could cause an explosion or fire.
- Do not pour water on the machine when it is running.
→ This could cause an electric shock.
- Do not climb on the washing machine.
→ This may cause injury.
- Do not put heavy objects on the washing machine.
→ This may damage the surface of the worktop.
- It is a malfunction if the drum is still rotating when the door is open. In this case never touch the drum nor laundry inside and stop using the washing machine immediately, and contact your local service center for repair.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction on how to use the appliance safely.

Installation

- The installation of the appliance should be done by the manufacturer's dealer or service agent.
→ If the installation, test run and inspection of the appliance are not carried out following the installation method outlined in these instructions, the manufacturer is not liable for any accident or damage caused.
- Do not install in a damp place such as a bathroom or a place exposed to rain.
→ Risk of fire, electric shock, current leakage or product damage.
- Do not install on a board with castors or an unstable surface.
→ This may cause injury or malfunction due to abnormal vibration.
- Do not use a plug adapter to convert 3 pins to 2 pins.
(The washing machine must be grounded)
→ This could cause an electric shock.
- The opening must not be obstructed by carpeting when the washing machine is installed on a carpet floor.
- If the washing machine is to be connected to the water mains, please use new water supply hose.

Power source and cable

- Do not insert the plug with a wet hand.
→ This could cause an electric shock.
- Use the rated mains voltage and do not connect another plug at the same socket.
→ Using the washing machine plug together with other electrical systems may cause overheating in the plug and result in fire.
- When removing the worktop to install the washing machine under a counter, use a separately sold upper plate. (Part No. BD-W80MV 150)
- Clean off all the dust on the plug.
→ A dirty or dusty plug may cause a fire.
- Do not use an electric socket or connection which is damaged or loose.
→ This could cause an electric shock or a short circuit which may start fire.
- Do not mark, cut, modify, bend or fold the power cable.
→ A damaged power cable could cause fire or an electric shock.
- Do not use a mains plug adaptor or an extension cable.
→ This could cause overheating which may cause a fire.
- If the power supply plug is damaged, it must only be replaced by the authorized service agent or repairing shops appointed by the manufacturer in order to avoid a hazard.

Safety Instructions

Child safety

- Keep packaging out of reach of children and babies.
→ Danger of suffocation.
- Do not let children climb onto the washing machine or open the drum door, and do not leave a box or chair near the washing machine which could enable children to climb onto it.
→ This may cause injury.
- Children should be supervised to ensure that they do not play with the appliance.



Caution

Issues which could cause injury or damage your belongings

General safety

- If there is a water outage or you remove the water supply hose and reattach it, turn off the tap and press the Start/Pause button, then turn on the tap slowly after 40 seconds.
→ Air pressure could damage the washing machine if there is a lot of air in the water pipe.
- Regularly check to confirm that the union nut of the water supply hose is tightened.
→ A loose nut may cause a water leak.
- Remove the plug from the socket and turn off the water tap if you don't use the machine for a long time.

Use

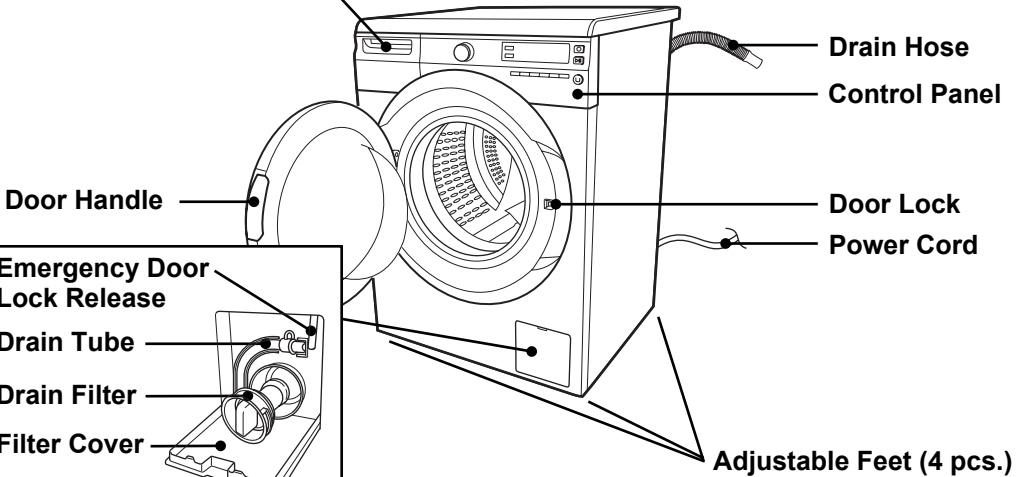
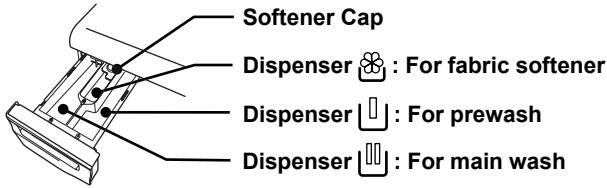
- All transport bolts must be removed before using the washing machine.
→ They may cause abnormal vibration or failure.
- Check inside the drum before washing.
→ Make sure that small pets do not climb into the drum.
- Do not wash waterproof items such as raincoats, wet suits, ski suits, sleeping bags, cushions, pillows, shoes, etc.
→ The washing machine may not work properly, or the items may cause injury or damage the machine.
- Do not operate without the detergent dispenser.
- Do not use tap water hotter than 50°C.
- Do not wash items together with coins, pins or stones.
→ This may damage clothes and the washing machine, and cause a water leak. Check inside pockets before washing.
- Do not press the buttons with sharp or pointed objects.
- Be careful when draining hot water.
- Do not lean on or put weight on the opened door of the washing machine.
→ This may cause damage to the washing machine.
- Do not attempt to open the door while it is operating.
- Do not put heavy objects, liquid-filled containers or equipment which produces heat (e.g. oven, rice cooker, etc.) on the washing machine.
→ This may damage the washing machine or the surface of the worktop.

Care and maintenance

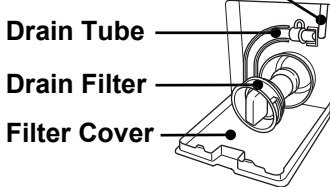
- If detergent, fabric softener or bleach spills on the surface of the machine, clean it up with a damp cloth immediately.
→ The plastic or steel parts of the washing machine may get damaged.
- Do not place heat sources near the washing machine.
→ This may cause deformation of the machine.

Product Descriptions

Detergent Dispenser



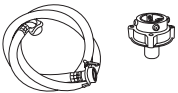
Emergency Door Lock Release



Packed-In Accessories

Either type of water supply hose is packed in by area demand.

Water Supply Hose & One-touch Joint



Water Supply Hose (Screw Type)

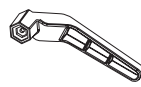


Hose Guide



(1 piece)

Spanner



(1 piece)

Cover Caps



(4 pieces)

Optional Accessories

Upper Plate



See page 29
Part No. BD-W80MV 150

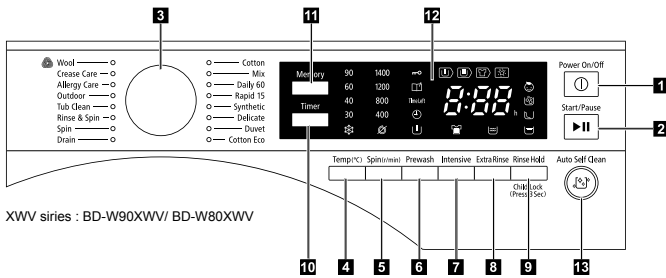
Water Leak Detection Hose



Part No. BD-W80MV 162

Please contact your local dealer when installing the upper plate and the water leak detection hose.

Control Panel and Display



XWV series : BD-W90XWV/ BD-W80XWV



WV series : BD-W90WV/ BD-W80WV

- 1** Power button
- 2** Start/Pause button
- 3** Jog Dial
- 4** Temperature button
- 5** Spin button
- 6** Prewash button
- 7** Intensive button
- 8** Extra Rinse button
- 9** Rinse Hold button (Child Lock)
- 10** Timer button
- 11** Memory button
- 12** LED multi function display
- 13** Auto Self Clean button

1 Power button

Press this button to switch power on and off. If no program is selected or no button is pressed for 10 minutes, the washing machine automatically switches itself off.


2 Start/Pause button

Press this button to start or pause a program. When the machine is paused for over 1 hour, the washing machine automatically switches itself off.

3 Jog Dial

Turn this dial to select wash programs.

4 Temperature button



Enables temperature setting from cold up to 90°C. When you select cold, the  symbol is shown on the display and the heater switches off.

5 Spin button


Enables spin speed setting from 0 (No Spin) to Max r/min.

- No Spin (display '0 r/min') – The intermediate and final spinning are cancelled, and the water is drained out only. Recommended for delicate fabrics.

6 Prewash button


Prewashes heavily soiled items before the main wash. The  symbol is shown on the display. Pour the powdered detergent into the dispenser .

7 Intensive button


Extends the washing time for more thorough washing. The  symbol is shown on the display.


8 Extra Rinse button

This gives washing an extra rinse. Recommended for areas with very hard water, when washing baby linen, and for people concerning about detergent residue.


The  symbol is shown on the display.

9 Rinse Hold button (Child Lock)

Laundry remains in the last rinse water without progressing to the final spin cycle to prevent the clothes from wrinkling. To unload, select the Spin or Drain program. The  symbol is shown on the display.


Child lock: To prevent accidental operation by children, this disables the operation buttons and dial, and also locks the door. Press the Rinse Hold button for 3 seconds to activate this option. The  symbol is shown on the display. Press Rinse Hold button for 3 seconds again to cancel the child lock.

10 Timer button

Lets you program a wash to finish up to 24 hours later. The  symbol is shown on the display.

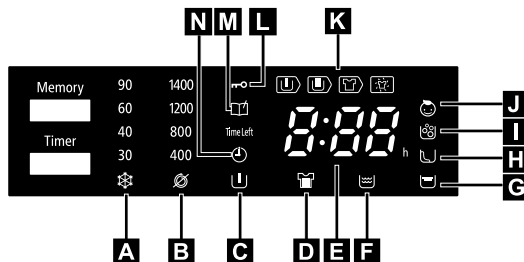
Control Panel and Display

11 Memory button

Allows you to store a customized wash cycle which you use frequently. The  symbol is shown on the display.

12 LED multi function display


Displays all cycle information, remaining time and error codes.



A Water temperature

The  symbol is on when the heater is off (Cold setting).

B Spin speed

 (No Spin) : Final spin is cancelled and last rinse water is drained only.

C Prewash option

D Intensive option

E Remaining time of the program (shows 'Time Left'), remaining time until timer operation is completed (shows 'h'), and error codes.

→Page 23 : Error Codes

F Extra Rinse option

G Rinse Hold option

Final spin is cancelled and water is not drained, so the laundry remains in the last rinse water.


H Imbalance in the drum.

→Page 9 : Control Panel and Display.

I Excessive foam in the drum.

→Page 9 : Control Panel and Display.

J Child Lock option

All buttons are disabled except the Power button and Jog Dial, and the door is locked when the  symbol is on.

K Progress indicator

Shows which phase of the program is being done.

The following symbols blink while each phase is running, and go off as each phase ends.

 Prewash

 Main Wash

 Rinse

 Spin

L Door lock

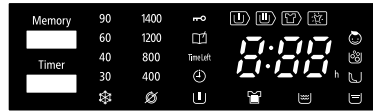
The door is locked when the  symbol is on.

M Memory option

N Timer option

Control Panel and Display

The following symbols are displayed when washing time is prolonged due to :



- Excessive foam in the drum.
→ Pouring in extra water to remove excessive foam.



The symbol on the left lights.

- Imbalance in the drum.
→ Correcting imbalance by rotating the drum.



The symbol on the left lights.

***This is not a malfunction.** Remaining time may be turned back when these symbols are displayed so that operation is completed in a longer time than the remaining time displayed at the start.

13 Auto Self Clean button

Automatically cleans the outside of the tub and the inside of the outer tub to keep the washing machine clean. The setting is switched off at the time of shipment from the factory. Once it is switched on, the Auto Self Clean function operates every time you do your laundry.

Before You Start Washing

Preparation of the washing

- Remove any foreign objects (coins, safety pins, etc.).
- Use a washing net when you wash delicate clothes (knit products, lingerie, etc.).
- Close zips, brush sand out of pockets and collars.
- Brush pet hair out of laundries.

Sorting the laundry

- Sort the laundry according to the type of fabric and care label symbol (cottons, mixed fibers, synthetics, wool, hand wash, etc.).
- Do not wash too small amount of laundry such as only a pair of jeans.
→ This may result in insufficient spin performance.
- Separate colored and white items.

⚠ Risk of injury!

Washing the following items may cause injury or malfunction due to abnormal vibration :

- Waterproof items such as a wet suit, ski suit, etc.
- Anti-slip treated items with rubber bottoms such as a doormat.
- Cushions, pillows, shoes, etc.

Before You Start Washing

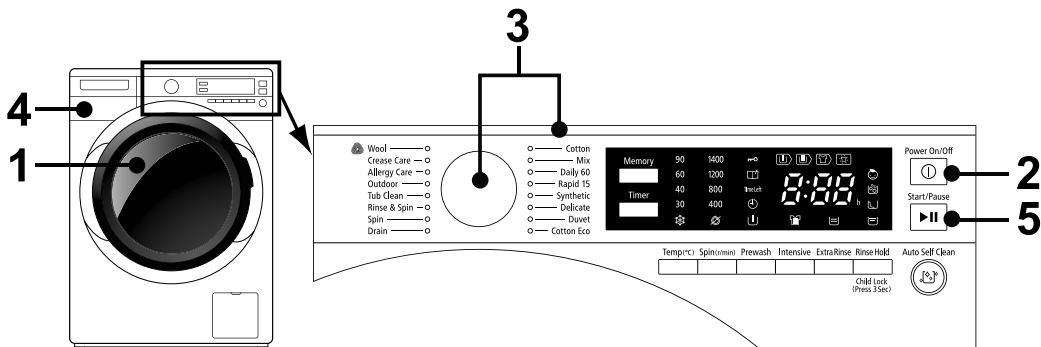
Detergent and additives

- Use the amount of detergent recommended on the detergent package. The type and amount of detergent depends on the type of fabric, load size, degree of soiling and hardness of the water used.
Use less detergent if :
 - you wash a small load.
 - the laundry is slightly soiled.
- Too much detergent can result in excess foam formation which reduces rinse efficiency or may cause a water leak.
- Depending on the detergent brand, detergent may remain undissolved when the water pressure is low, or when the water temperature is low.
→Page 20 : Care and Maintenance (Cleaning the detergent dispenser).
- Do not use liquid detergent when using the Prewash option.
- The detergent and any additives must be poured into the appropriate dispenser.
→Page 6 : Product Descriptions (Detergent Dispenser).
- Pour in the detergent before you press the Start/Pause button. If you add the Prewash option, pour detergent into both dispensers (⏴⏵) before starting.
- For dyeing and bleaching, use dyes and bleaches that are suitable for washing machines.
- For water softener and limescale removal agents, follow the instructions on the package.

Washing with different degrees of soiling

- Lightly to normally soiled : No washing options (Prewash / Intensive) are necessary for more eco-friendly operation.
- Normally to heavily soiled : Select Intensive as an option for better washing results.
- Heavily soiled : Select Prewash as an option for better washing results.

How to Use the Washing Machine



1 Sort and load the laundry

- Sort the laundry according to type of fabric, care label symbol, color and degree of soiling.
→Page 9 : Preparation of the washing.
- Do not exceed the maximum load.
- Close the door. Take care not to trap any items of clothing between the door and rubber seal.

2 Press the Power button to switch power on

- If no program is selected or no button is pressed for 10 minutes, the washing machine automatically switches itself off. Press the Power button again to turn power on.

3 Select and adjust the program

- Select a washing program first with the Jog Dial.
- The duration of the selected program is shown on the display as a guide. Actual washing time may vary depending on the conditions.
- Use the option buttons to set additional functions.
→Page 7 : Control Panel and Display.
→Page 16 : Program Overview.
- If you select the wrong program by mistake, reselect the washing program by turning the Jog Dial.
- When the Cotton program is selected, settings such as spin speed, additional options, etc., are memorized. Same settings can be used when the Cotton program is selected again.

4 Add detergent into the detergent dispenser

- The detergent and any additives must be placed in the appropriate dispenser.
→Page 6 : Product Descriptions (Detergent Dispenser).
- Add the appropriate amount of detergent suggested in the manufacturers' instructions.
→Page 10 : Detergent and additives.

5 Press the Start/Pause button

- The washing machine starts to detect laundry size, fabric type and water temperature before setting the wash time.
- The wash time displayed on the remaining time indicator varies according to the conditions.
→Page 8 : Control Panel and Display.
- Once a program starts, settings cannot be changed except for the spin speed setting of programs other than the Cotton/Cotton Eco programs.

- **Pausing a program.**

Press the Start/Pause button. The washing machine switches itself off if it is not restarted within 1 hour. Switch the power on and the program starts again from the beginning.

- **Adding clothes part way through a wash.**

Press the Start/Pause button to pause the selected program. The door lock is automatically released after about 5 seconds when the water level and temperature are safe. You can then open the door and add your clothes. Close the door and press the Start/Pause button again to restart the program.

*Note: It is not recommended to add a large amount of clothes as the washing machine first measures the load size to determine optimum operation.

- **Terminating a program.**

Press the Start/Pause button, and press the Power button to switch power off. Then press the Power button again and select the Spin or Drain program to drain remaining water in the drum and spin-dry the laundry.

6 Program ends

- The buzzer sounds when the program ends.

By pressing the Spin button for 3 seconds, (After press Power button) the buzzer sound is deactivated. By pressing the Spin button again, the buzzer sound is reactivated.

- The washing machine automatically switches itself off when the program ends.

How to use the Auto Self Clean function

1. Press the Power button to turn on the power.
 2. Select a program.
 3. Press the Auto Self Clean button, and then press the Start/Pause button.
- The setting is switched off at the time of shipment from the factory. Once it is switched on, the Auto Self Clean function operates every time you do your laundry.
 - Prior to the final spin cycle, the outside of the tub, and the inside of the outer tub are washed to eliminate dirt and mold.
 - To deactivate the Auto Self Clean function, press the Auto Self Clean button again while the power is on.

- The Auto Self Clean function runs just before the spin cycle begins in each program.
- The Auto Self Clean function cannot be set or cancelled while the washing machine is operating.
- The Auto Self Clean function is automatically cancelled when:
 - Rinse Hold is set.
 - No spinning is set.
- Depending on the type and degree of dirt, some dirt may not be removed by using the Auto Self Clean function.
- If the washing machine is seldom used, some dirt may not be removed by using the Auto Self Clean function.
- To clean the tub more completely, we recommend using the Tub Clean program along with the Auto Self Clean function.

- The Auto Self Clean function is deactivated if one of the following programs is selected.
 - Duvet
 - Rapid 15
 - Wool
 - Daily 60
 - Tub Clean
 - Spin
 - Drain

How to Use the Washing Machine

How to use the Memory function

1. Press the Power button to turn on the power.
 2. Select and adjust the program as desired.
 3. Press the Memory button for 3 seconds, then the setting is memorized.
 4. Press the Start/Pause button.
- Once the setting is saved, the customized program can be selected with just a press of the Memory button.
 - Customized program can be changed by doing the same procedure.

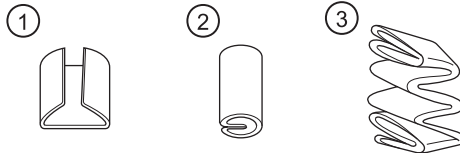
How to use the Duvet program

Note

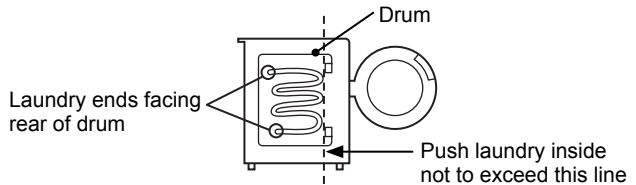
- Do not use blanket net. This may cause excessive vibration when spinning.

1. Load the laundry :

- Fold a large items such as a duvet or blanket as follows.



- Load laundry into the drum with the ends facing the rear of the drum.



2. Press the Power button to switch power on.
3. Select the Duvet program.
4. Add detergent into the detergent dispenser.
5. Press the Start/Pause button.