LG SIGNATURE

OWNER'S MANUAL

MINI WASHER

Before beginning installation, read these instructions carefully. This will simplify installation and ensure that the product is installed correctly and safely. Leave these instructions near the product after installation for future reference.

LST100*

MFL68881020

www.LGSIGNATURE.com

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This manual may contain images or content different from the model you purchased.

This manual is subject to revision by the manufacturer.

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Rev.01_090116

SAFETY INSTRUCTIONS

The following safety guidelines are intended to prevent unforeseen risks or damage from unsafe or incorrect operation of the appliance.
The guidelines are separated into 'WARNING' and 'CAUTION' as described below.

⚠ This symbol is displayed to indicate matters and operations that can cause risk. Read the part with this symbol carefully and follow the instructions in order to avoid risk.

⚠ WARNING

This indicates that the failure to follow the instructions can cause serious injury or death.

⚠ CAUTION

This indicates that the failure to follow the instructions can cause the minor injury or damage to the product.

IMPORTANT SAFETY INSTRUCTIONS

⚠ WARNING

To reduce the risk of explosion, fire, death, electric shock, injury or scalding to persons when using this product, follow basic precautions, including the following:

Children in the Household

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 concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

For use in Europe:

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

Children of less than 3 years should be kept away unless continuously supervised.

Installation

- Never attempt to operate the appliance if it is damaged, malfunctioning, partially disassembled, or has missing or broken parts, including a damaged cord or plug.
- This appliance should only be transported by two or more people holding the appliance securely.
- Do not install the appliance in a damp and dusty place. Do not install or store the appliance in any outdoor area, or any area that is subject to weathering conditions such as direct sunlight, wind, or rain or temperatures below freezing.
- Tighten the drain hose to avoid separation.

- If the power cord is damaged or the hole of the socket outlet is loose, do not use the power cord and contact an authorized service centre.
- This appliance must not be installed behind a lockable door, a sliding door or a door with a hinge on the opposite side to that of the appliance, in such a way that a full opening of the appliance door is restricted.
- This appliance must be grounded. In the event of malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for electric current.
- This appliance is equipped with a power cord having an equipment-grounding conductor and a grounding power plug. The power plug must be plugged into an appropriate socket outlet that is installed and grounded in accordance with all local codes and ordinances.
- Improper connection of the equipment-grounding conductor can result in risk of electric shock. Check with a qualified electrician or service personnel if you are in doubt as to whether the appliance is properly grounded.
- Do not modify the power plug provided with the appliance. If it does not fit the outlet, have a proper outlet installed by a qualified electrician.

Operation

- Do not use a sharp object like drill or pin to press or separate an operation unit.
- Do not repair or replace any part of the appliance. All repairs and servicing must be performed by qualified service personnel unless specifically recommended in this Owner's Manual. Use only authorized factory parts.
- Use new hose or hose-set supplied with the appliance. Reusing old hoses can cause a water leak and subsequent property damage.
- Do not reach into the appliance if the tub or agitator is moving.
- Keep the area underneath and around the appliance free of combustible materials such as lint, paper, rags, chemicals, etc.
- Do not put animals, such as pets into the appliance.
- Do not leave the appliance door open. Children may hang on the door or crawl inside the appliance, causing damage or injury.
- Never reach into the appliance while it is operating. Wait until the drum has completely stopped.
- Do not put in, wash or dry articles that have been cleaned in, washed in, soaked in, or spotted with combustible or explosive substances (such as wax, oil, paint, gasoline, degreasers, drycleaning solvents, kerosene, vegetable oil, cooking oil, etc.). Improper use can cause fire or explosion.
- In case of flood, disconnect the power plug and contact the LG Electronics customer information centre.
- Do not push down the door excessively, when the appliance door is open.

- Do not touch the door during a high temperature programme.
- Do not use flammable gas and combustible substances (benzene, gasoline, thinner, petroleum, alcohol, etc.) near the appliance.
- If the drain hose or inlet hose is frozen during winter, use it only after thawing.
- Keep all washing detergents, softener and bleach away from children.
- Do not touch the power plug or the appliance controls with wet hands.
- When pulling out the power plug from an outlet, hold the power plug, not the cable.
- Do not bend the power cable excessively or place a heavy object on it.
- If there is a gas leakage (isobutane, propane, natural gas, etc.), do not touch the appliance or power plug and ventilate the area immediately.
- Do not operate Mini Washer with two or more Mini Washers stacked.
- To avoid breaking the door glass, do not push too hard on the door when closing.
- Do not step on Mini Washer.
- Do not wash rugs, mats, shoes or pet blankets, or any other items other than clothes or sheets, in this machine.
- This appliance must only be used for domestic household purposes and should not be used in mobile applications.
- Do not open or close the door by foot.

Maintenance

- Securely plug the power plug in the socket outlet after completely removing any moisture and dust.
- Disconnect the power cord before cleaning the appliance.
- Never unplug the appliance by pulling on the power cable. Always grip the power plug firmly and pull straight out from the socket outlet.
- Do not spray water inside or outside the appliance to clean it.

Disposal

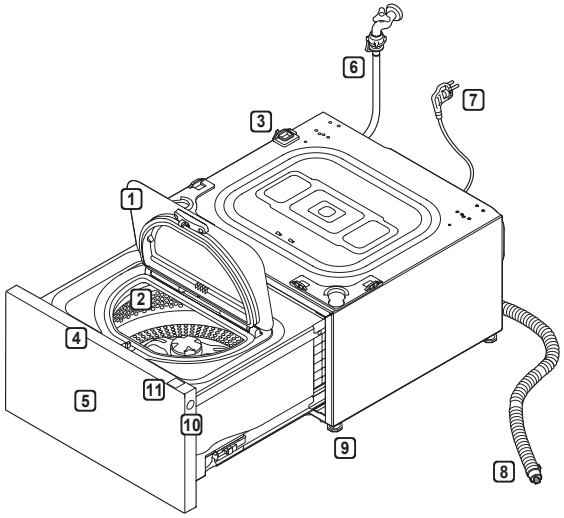
- Before discarding an old appliance, unplug it. Cut off the cable directly behind the appliance to prevent misuse.
- Dispose of all packaging materials (such as plastic bags and styrofoam) away from children. The packaging materials can cause suffocation.
- Remove the door before disposing of or discarding this appliance to avoid the danger of children or small animals getting trapped inside.

Disposal of Your Old Appliance



- This crossed-out wheeled bin symbol indicates that waste electrical and electronic products (WEEE) should be disposed of separately from the municipal waste stream.
- Old electrical products can contain hazardous substances so correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health. Your old appliance may contain reusable parts that could be used to repair other products, and other valuable materials that can be recycled to conserve limited resources.
- You can take your appliance either to the shop where you purchased the product, or contact your local government waste office for details of your nearest authorised WEEE collection point. For the most up to date information for your country please see www.lg.com/global/recycling.

Parts



1 Door

2 Drum

3 Stacking Switch

4 Control Panel

5 Drawer

6 Water Supply Hose

7 Power Plug

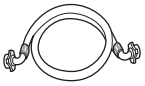
8 Water Drain Hose

9 Leveling Feet

10 Pause Button

11 Remote Sensor

Accessories



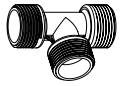
Water supply hose (for cold water)



Connecting supply hose



Water drain hose



Water supply hose connector



Water drain hose connector



Anti-slip sheets (2EA)



Detergent measuring cup



Bracket (Front)



Bracket (Back)



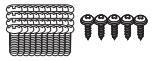
Spanner



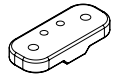
Cable ties (2EA)



Hose clips (2EA)



Screws (40EA) / (5EA)



Stacking holder



Remote control (optional)

- Different accessories may apply to each model.
- The stacking holder is for preventing independent operation.
- Remote control is available for purchase online or through the LG Electronics Customer Information Centre.
- Depending on the installation environment, you may have to purchase a separate drain hose connector.

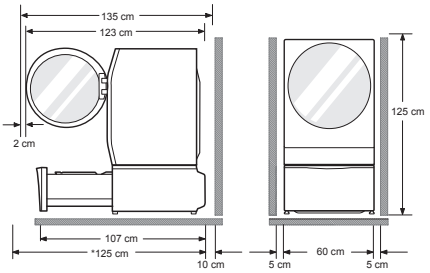
Specifications

Power supply	220 - 240 V~, 50 Hz
Size	595 mm (W) X 659 mm (D) X 364 mm(H)
Product weight	43 kg
Permissible water pressure	0.1 - 0.8 Mpa (1.0 - 8.0 kgf / cm²)
Wash capacity	2 kg

- Appearance and specifications may change without notice to improve the quality of the product.

Installation Place Requirements

Location



*125 cm: minimum space for installation

Level floor : Allowable slope under the entire appliance is 1°.

Power outlet : Must be within 1.5 meters of either side of the location of the appliance.

- Do not overload the outlet with more than one appliance.

Additional Clearance : 5 cm at the sides and 10 cm behind the unit.

- Do not place or store laundry products on top of the appliance at any time. These products may damage the finish or controls.

⚠ WARNING

- The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Positioning

- Install the appliance on a flat hard floor.
- Make sure that air circulation around the appliance is not impeded by carpets, rugs, etc.
- Never try to correct any unevenness in the floor with pieces of wood, cardboard or similar materials under the appliance.
- If it is impossible to avoid positioning the appliance next to a gas cooker or coal burning stove, an insulation (85x60 cm) covered with aluminum foil on the side facing the cooker or stove must be inserted between the two appliances.
- Do not install the appliance in rooms where freezing temperatures may occur. Frozen hoses may burst under pressure. The reliability of the electronic control unit may be impaired at temperatures below freezing point.
- Ensure that when the appliance is installed, it is easily accessible for an engineer in the event of a breakdown.
- With the appliance installed, adjust all four feet using a transit bolt spanner to ensure the appliance is stable, and a clearance of approximately 20 mm is left between the top of the appliance and the underside of any work-top.
- If the appliance is delivered in winter and temperatures are below freezing, place the appliance at room temperature for a few hours before putting it into operation.
- Do not use a drip pan as it can block the drawer. Using the drip pan may result in increased vibration and noise during operation.

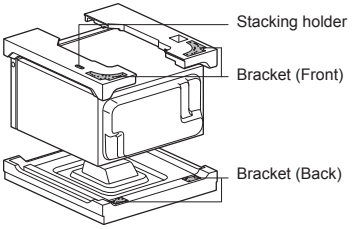
⚠ WARNING

- This appliance is not designed for maritime use or for use in mobile installations such as caravans, aircraft etc.

Electrical Connection

- Do not use an extension cord or double adapter.
- Always unplug the appliance and turn off the water supply after use.
- Connect the appliance to an earthed socket in accordance with current wiring regulations.
- The appliance must be positioned so that the plug is easily accessible.
- Repairs to the appliance must only be carried out by qualified personnel. Repairs carried out by inexperienced persons may cause injury or serious malfunctioning. Contact your local service centre.

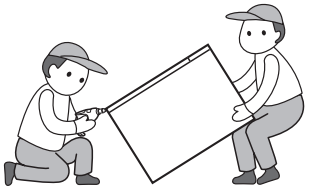
Stacking Mini Washer



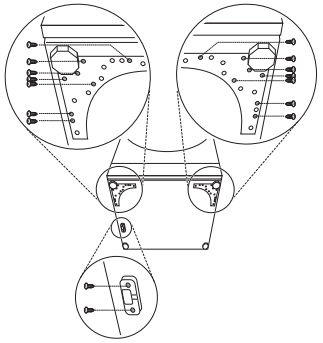


Bracket (Front) | Bracket (Back) | Stacking holder

1 Tilt Main Washer.

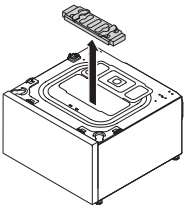


2 Assemble the bracket (front) and stacking holder at the bottom of Main Washer.



3 Pull and save the foam block for future use.

If Mini Washer must be moved in the future, the foam block will help prevent damage to Mini Washer during transportation.

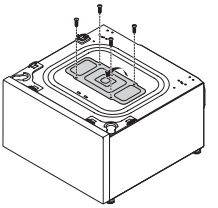


NOTE

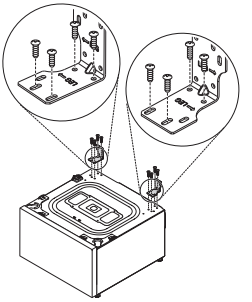
- To prevent damage, do not remove the foam block until Mini Washer is at the final location.

4 Turn the top cover about 180 degrees.

Cover the upper hole with the top cover and install 4 short screws to fix it in place.

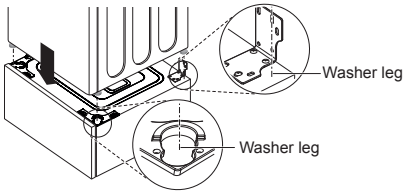


5 Place the bracket (back) on the back side of Mini Washer and assemble with each of the 4 screws.



6 Place Main Washer on top of Mini Washer.

- Make sure the 4 legs are totally locked and the holes of Mini Washer align with the holes of Main Washer.

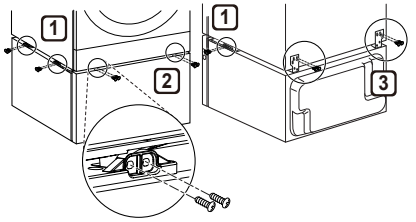


7 Install the 14 long screws at each corner to securely attach Main Washer to Mini Washer.

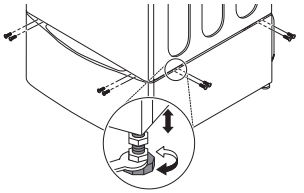
- First, insert screws on each side. Then insert screws on the front and back side.

NOTE

- It can be difficult to assemble if it is not assembled in the proper order.



8 Turn the feet of Main Washer slightly until it is snugged up against Mini Washer.



⚠ WARNING

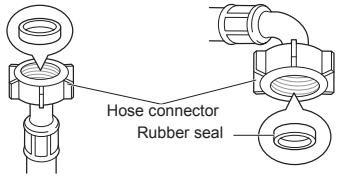
- Mini Washer will not work as a standalone unit.

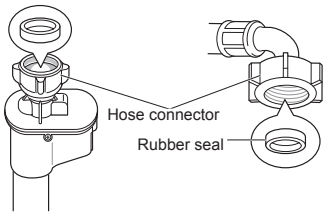
Connecting the Supply Hose

- Water supply pressure must be between 0.1 MPa and 0.8 MPa (1.0–8.0 kgf/cm^2).
- Do not strip or crossthread when connecting supply hose to the valve.
- If the water supply pressure is more than 0.8 MPa, a decompression device should be installed.
- Periodically check the condition of the hose and replace the hose if necessary.
- Contact the service centre if there is no rubber seal.

Checking the Rubber Seal on the Supply Hose

Two rubber seals are supplied with the water supply hoses. They are used for preventing water leaks. Make sure the connection to taps is sufficiently tight.

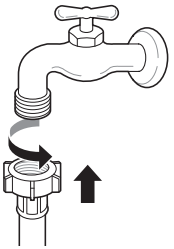




Connecting Hose to Water Tap

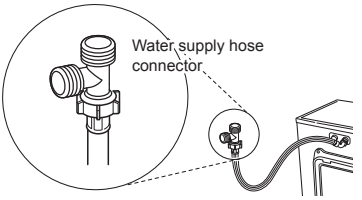
Connecting Screw-Type Hose to Tap with Thread

Screw the hose connector onto the water supply tap.

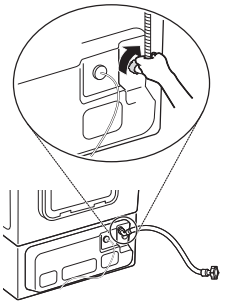


Connecting Hose to Two Washing Machines

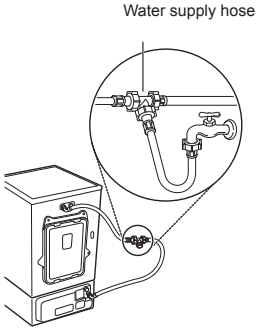
1 Connect the water supply hose connector to the water supply hose of Main Washer. Open the accessory package for Mini Washer installation.



2 Connect the water supply hose of Mini Washer to the water supply hose connector.



3 Connect the additionally provided water supply hose of Main Washer to the water supply hose connector and water tap.



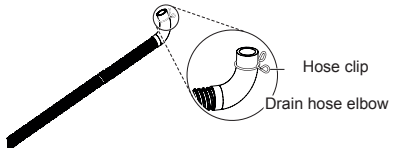
NOTE

- Make sure the water supply hose is not kinked or pinched.

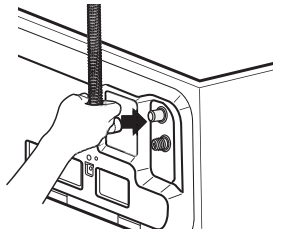
Installing the Drain Hose

- The drain hose should not be placed higher than 100 cm above the floor. Water in the appliance may not drain or may drain slowly.

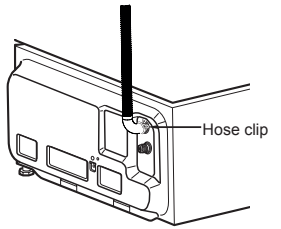
1 Insert the hose clip onto the drain hose elbow.



2 With the hose leading up from the elbow, insert the elbow onto the drain outlet on the back of Mini Washer.



3 Adjust the hose clip in place to prevent leaking.

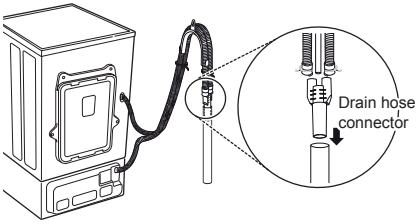


Using the Drain Hose Connector

1 Connect the drain hose of Main Washer and Mini Washer to the drain connector.

2 Insert the included wire hose clamps on to the ends of the two drain hoses.

3 Push the drain hoses firmly onto the drain connector.



⚠ CAUTION

- Adjust the wire hose clamps to prevent the hoses from coming loose or leaking. Failure to do so could result in flooding. Use of the drain connector helps avoid siphoning, odors, or improper draining.
- Make sure the drain hose is not kinked or pinched. This is a potential cause of drainage problems or noise.

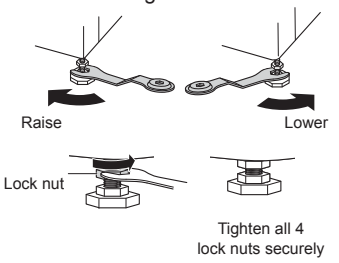
NOTE

- Depending on the installation environment, you may have to purchase a separate drain hose connector.

Leveling the Appliance

If the floor is uneven, turn the adjustable feet as required (Do not insert pieces of wood etc. under the feet). Make sure that all four feet are stable and resting on the floor and then check that the appliance is perfectly level (Use a spirit level).

- Once the appliance is level, tighten the lock nuts up towards the base of the appliance. All lock nuts must be tightened.



Diagonal Check

- When pushing down the edges of the top plate diagonally, the appliance should not move up and down at all (check both directions). If the appliance rocks when pushing the machine top plate diagonally, adjust the feet again.

⚠ WARNING

- When stacking Main Washer on Mini Washer, use the leveling feet on Mini Washer to level both. Main Washer´s leveling feet should be minimized and the locknuts turned counter-clockwise to secure them.

NOTE

- Timber or suspended type flooring may contribute to excessive vibration and unbalance.
- If Mini Washer is installed on a raised platform, it must be securely fastened in order to eliminate the risk of falling off.

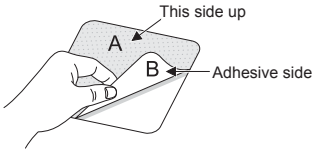
Using Anti-Slip Sheets (Optional)

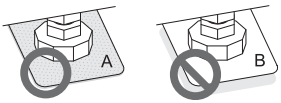
If you install the appliance on a slippery surface, it may move because of excessive vibration. Incorrect leveling may cause malfunction through noise and vibration. If this occurs, install the anti-slip sheets under the leveling feet and adjust the level.

1 Clean the floor to attach the anti-slip sheets.
- Use a dry rag to remove and clean foreign objects and moisture. If moisture remains, the anti-slip sheets may slip.

2 Adjust the level after placing the appliance in the installation area.

3 Place the adhesive side of the anti-slip sheets on the floor.
- It is most effective to install the anti-slip sheets under the front feet. If it is difficult to place the pads under the front feet, place them under the back feet.





4 Ensure the appliance is level.
- Push or rock the top edges of the appliance gently to make sure that the appliance does not rock. If the appliance rocks, level the appliance again.

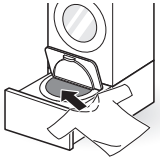
NOTE

- You can obtain anti-slip sheets from the LG Service Centre.

Using the Appliance

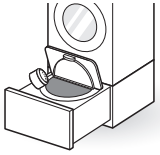
1 Sort laundry and load items.

- Sort laundry by fabric type, soil level, colour and load size as needed. Open the door and load items into Mini Washer.



2 Add cleaning products.

- Add the proper amount of detergent with the detergent measuring cup to the washing drum evenly.



3 Close the door and drawer.

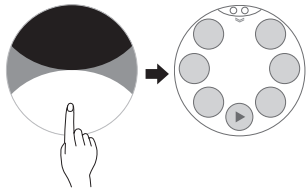
4 Turn on Main Washer.

- Press the **Power** button to turn on the Main Washer.



5 Select Mini Washer on the quick circle display of Main Washer, then Choose the desired washing programme.

- The options are selected by default functions automatically. When you want change the options, press the options button.



6 Begin cycle.

- Press the **Start/Pause** button to begin the cycle. Mini Washer will agitate briefly without water to measure the weight of the load.

7 Add softener.

- Press the **Start/Pause** button or **Pause** button on the right side in Mini Washer.
- The fabric softener can be added within 30 seconds after the signal sounded.
- Open the drawer and door and add the softener.
- Close the door and drawer and press the **Start/Pause** button to start the appliance again.

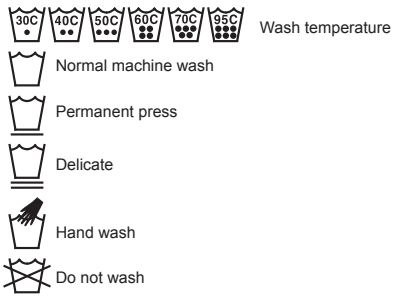
8 **Start/Pause** button to start the appliance again.

- When the cycle is finished, a melody will sound. Immediately remove your clothing from Mini Washer to remove wrinkling and odors.
- After washing is complete, wipe off Mini Washer door, gasket and inside the washing drum with dry towel for clean washing.
- Open the drawer and door and add the softener.
- Close the door and drawer and press the **Start/Pause** button to start the appliance again.

Sorting Laundry

1 Look for a care label on your clothes.

- This will tell you about the fabric content of your garment and how it should be washed.
- Symbols on the care labels.

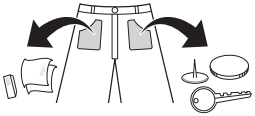


2 Sorting laundry.

- To get the best results, sort clothes into loads that can be washed with the same wash cycle.
- Different fabrics need to be washed at varying temperatures and spin speeds.
- Wash two or more towels or knits together. If washed separately, laundry which absorbs a lot of water may not be washed well or abnormal spin-drying may occur due to leaning.
- Always sort dark colours from pale colours and whites. Wash separately as dye and lint transfer can occur causing discolouration of white and pale garments. If possible, do not wash heavily soiled items with lightly soiled ones.
  - Soil (Heavy, Normal, Light) : Separate clothes according to amount of soil.
  - Colour (White, Lights, Darks): Separate white fabrics from coloured fabrics.
  - Lint (Lint producers, Collectors): Wash lint producers and lint collectors separately.

3 Caring before loading.

- Do not wash 'memory wire' on female inner wear (such as a brassiere) as it may damage other clothes or the washing machine and create noise.
- Check all pockets to make sure that they are empty. Items such as nails, hair clips, matches, pens, coins and keys can damage both your washing machine and your clothes.



- Close zippers, hooks and strings to make sure that these items don’t snag on other clothes.
- Pre-treat dirt and stains by brushing a small amount of detergent dissolved water onto stains to help lift dirt.
- If an item of clothing has a long lace attached to it, arrange the lace so it cannot be tangled or put it into a washing net.
- Remove the insides of cushions, pillows, or sitting mats and only wash the cover. The insides may protrude, damaging other laundry. Plastic parts may generate abnormal vibrations.

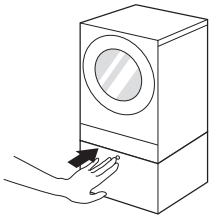
⚠ CAUTION

- Divide laundry in large volume for washing so that the laundry can be submerged under water completely. If laundry expands during washing, it may cause damage to the laundry and parts during washing or spin.

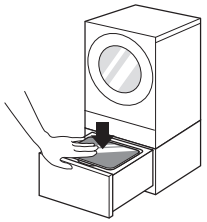
Using the Door and Drawer

Opening the Door and Drawer

1 Push the **O** marked and pull out the drawer until it is fully extended.

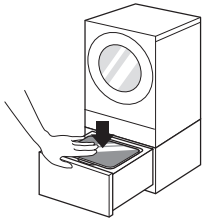


2 Push the **O** marked down on the door until it clicks.



Closing the Door and Drawer

1 Push the **O** marked down on the door until it clicks.



2 Push the drawer completely closed.

⚠ CAUTION

- Do not let your hands get stuck between the door and Mini washer, as this can cause injury.
- Forcing the drawer or the door to open can cause part damages and safety problems.
- Closing the drawer before having closed the door completely may scratch the door glass.
- Ensure the drawer is pulled out completely to prevent the door from contacting Main Washer.

NOTE

- Door lock may fail if there is too much laundry in the machine or if the door is not completely closed.
- If the product is operating or the drawer lock , indicator is displayed, the door cannot open. To open the door, press the **Start/Pause** button to stop the product, and when drawer lock , indicator disappears, open the door. Do not force the drawer and door open.
- If dE1, dE2, dE3 or a warning sign appears on the display, close the drawer and the door completely. After doing so, press the **Start/Pause** button.
- If the drawer cannot be opened completely, pull the drawer forward with a little force using both hands.
- If power failure occurs during product operation, the door cannot be opened. Provide the power again or contact the LG service centre. (in case of boil wash, the door may not open after the power is supplied again due to high temperature inside the washing machine).
- If the door cannot open due to high temperature, carry out rinsing with cold water using the Rinse+Spin programme or wait a while before opening the door.

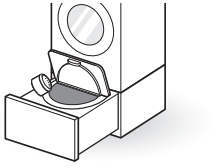
Adding Cleaning Products

Detergent Dosage

- Detergent should be used according to the instruction of the detergent manufacturer and selected according to type, colour, soiling of the fabric and washing temperature.
- If too much detergent is used, too many suds can occur and this will result in poor washing results or cause heavy load to the motor.
- If you wish to use liquid detergent follow the guidelines provided by the detergent manufacturer.
- If too many suds occur, reduce the detergent amount.
- Detergent usage may need to be adjusted for water temperature, water hardness, size and soil level of the load. For best results, avoid oversudsing.
- Refer to the label of the clothes, before choosing the detergent and water temperature.
- When using the washing machine, use designated detergent for each type of clothing only:
  - General powdered detergents for all types of fabric
  - Powdered detergents for delicate fabric
  - Liquid detergents for all types of fabric or designated detergents only for wool
- For better washing performance and whitening, use detergent with the general powdered bleach.

Adding Detergent

Measure the detergent with the detergent dispenser and pour it into the tub.



- Use the provided detergent measuring cup to add only one cup of detergent.
- Reduce the amount of detergent for lightly soiled laundry. If you use too much detergent, excessive bubbles will remain after rinsing.

Adding Softeners

Adding Fabric Softener

CASE 1. When the machine chimes:

1 Press **Start/Pause** to pause the cycle.
- It can be paused by pressing the button on the right side of Mini Washer or by using the remote control.

2 Slide open the drawer, open the door, and add the liquid fabric softener.

3 Close the door, slide the drawer closed, and press **Start/Pause** to restart the cycle.

NOTE

- To disable or enable the fabric softener alert, press and hold the **Rinse+Spin** and **Rinse+** button for three seconds.
- The fabric softener can be added within 30 seconds after the signal sounded.

CASE 2. If you miss the softener add point:

1 Press the **Power** button to interrupt the cycle.

2 Slide open the drawer, open the door, and add the liquid fabric softener.

3 Close the door, Slide the drawer, and select the **Rinse+Spin** programme.

4 Press the **Start/Pause** to restart the cycle.

NOTE

- Do not pour fabric softener directly on the clothes.
- The softener can also be diluted with water and added directly into the drum. Do not pour undiluted softener directly onto clothing because it may stain fabrics.

Adding Water Softener

- A water softener, such as anti-limescale (e.g. Calgon) can be used to cut down on the use of detergent in extremely hard water areas. Dispense according to the amount specified on the packaging. First add detergent and then the water softener.
- Use the quantity of detergent required for soft water.

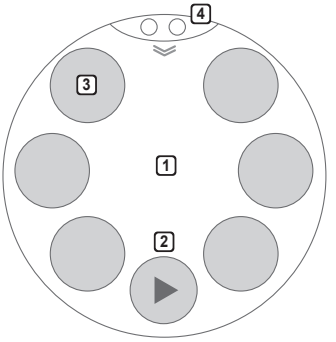
⚠ CAUTION

- Do not directly put bleach to the laundry. This may cause partial discoloration and severe damage to the laundry.
- Do not use chlorine bleach or acidic cleaner when washing the laundry, as it can cause damage to clothes such as discoloration and decoloration of laundry.

Control Panel

You can operate the machine by selecting from the control panel on Main Washer, Mini Washer or the remote control.

Control Panel on Main Washer



1 Display

The display shows the cycle status and estimated time remaining.

The display shows the estimated time remaining while the size of the load is being calculated automatically.

2 Start/Pause Button

- This **Start/Pause** button is used to start the wash cycle or pause the wash cycle.
- If a temporary stop of the wash cycle is needed, press the **Start/Pause** button.

3 Programme Button

- Programmes are available according to laundry type.

4 Quick Setting

Child Lock, Remote Start, Selection of Main Washer and Mini Washer are displayed. You can turn on or off a function by touch.

⚠ CAUTION

- Do not touch the control panel of the product with wet hands. The buttons may not function properly.

Control Panel on Mini Washer



1 Power Button

- Press the **Power** button to turn the washing machine on.

2 Display

- The display shows the cycle status and estimated time remaining.
- : Drawer lock indicator
- : Child lock indicator

3 Start/Pause Button

- This **Start/Pause** button is used to start the wash cycle or pause the wash cycle.
- If a temporary stop of the wash cycle is needed, press the **Start/Pause** button.

NOTE

- If you do not press the **Start/Pause** button within 15 minutes of selecting a programme, the washing machine automatically turns off and all cycle settings are lost. Any water remaining in the tub will be drained.

4 Options

- Use these buttons to select the desired options for the selected programme.

NOTE

- During operating Mini Washer, the control panel on Main Washer or using the remote control can be set because the panel on Mini Washer.
- Only the Pause button on the right side can be used to pause the operation.

Programme Table

Washing Programme

Programme	Description	Note	Maximum Load
Light Soil	Use this programme to wash lightly soiled normal items, except delicate fabrics such as wool or silk.	• To change the setting during washing, change the setting after pressing **Start/ Pause** button.	2.0 kg
Underwear	Use this programme to wash delicate items such as lingerie or sheer and lacy clothes which could easily be damaged in a normal programme.	• This programme is not for silk items.	1.5 kg
Lingerie	Use this programme to wash textiles, lingerie, or fine clothes likely to shrink or deform.	• To reduce damage to textiles and improve washing performance, use special neutral detergent for wool. • To prevent damage to clothes, the drum spins gently to the left and right for washing.	1.0 kg
Hand Wash	Use this programme to wash shrinkable woolen or hand- washable items requiring delicate care. Only wash woolen items that are labeled machine wash or hand wash.	• Laundry weight should be less than 1 kg to prevent damage to the fabric. • Use only natural or wool-safe detergent safe for fabrics and load $^{1}/_{2}$ of the normal amount of detergent. • The **Hand Wash** programme uses a gentle wash action and low speed spin for the ultimate fabric care.	1.0 kg

Programme	Description	Note	Maximum Load
Baby Care	Use this programme to wash baby wear hygienically.	• Select a proper type of neutral detergent. • Clothes are washed at high temperature to sterilize and remove mites. • It is more effective to pre-wash laundry stained with food, sweat, urine and feces briefly before washing. • Due to high temperature, this programme is not recommended for wool, silk or any other delicates.	1.5 kg
Rinse+Spin	Select this programme to rinse and spin a load separately from a regular cycle.	• Add fabric softener only.	1.5 kg

NOTE

Programme	Time in Minutes	Water in Litre	Energy in Kwh
Light Soil	49	45	0.06
Baby Care	117	80	0.52

Option Programme

Rinse+

Use this option to increase the number of rinsing programmes.

1 Press the **Power** button.

2 Select a washing programme.

3 Press the **Rinse+** button to set time required.
- When you press the **Rinse+** button, the number of rinsing cycles (1 - 5) to be added will be displayed.

4 Press the **Start/Pause** button.

No Spin

Use this option to wash and rinse.
- The setting lights above the buttons illuminate to show the current selection.

1 Press the **Rinse+** button for three seconds.

2 Press the **Start/Pause** button.

Spin Only

Use this option to spin-dry.
- The setting lights above the buttons illuminate to show the current selection.

1 Press the **Rinse+Spin** button for three seconds.

2 Press the **Start/Pause** button.

Tub Clean

Use this option to keep the drum clean by sterilizing germs within the drum. For information on using Tub Clean, see the Cleaning Your Washing Machine section.

Child Lock

Use this option to disable the controls. This feature can prevent children from changing cycles or operating the appliance.

Locking the Control Panel

1 Press and hold the **Rinse+** and **Tub Clean** button at the same time for three seconds.

2 CL will appear on the display.
When the Child Lock is set, all buttons are locked except the **Power** button.

NOTE

- Turning off the power or completing all cycles will not reset the child lock function. You must deactivate child lock before you can access any other functions.

Unlocking the Control Panel

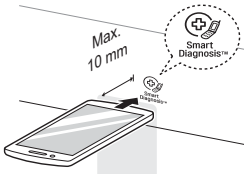
Press and hold the **Rinse+** and **Tub Clean** button at the same time for three seconds.
- To change the cycle or option, press the **Start/Pause** button to stop operation, and then choose the cycle or option which you wish to change.

Using the Smart Diagnosis™ Function

Use this function if you need an accurate diagnosis by an LG Electronics service centre when the product malfunctions or fails. Use this function only to contact the service representative, not during normal operation.

1 Press the **Power** button after opening the drawer on Mini Washer.

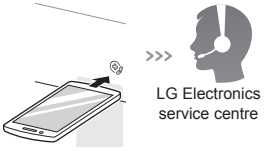
2 When instructed to do so by the call centre, place the mouthpiece of your phone close to the Smart Diagnosis™ icon.



3 Press and hold the **Tub Clean** button for three seconds while holding the phone mouthpiece to the Smart Diagnosis™ icon.

4 Keep the phone in place until the tone transmission has finished. Time remaining for data transfer is displayed.

- For best results, do not move the phone while the tones are being transmitted.
- If the call centre agent is not able to get an accurate recording of the data, you may be asked to try again.



5 Once the countdown is over and the tones have stopped, resume your conversation with the call centre agent, who will then be able to assist you using the information transmitted for analysis.

NOTE

- The Smart Diagnosis™ function depends on the local call quality.
- The communication performance will improve and you can receive better service if you use the home phone.
- If the Smart Diagnosis™ data transfer is poor due to poor call quality, you may not receive the best Smart Diagnosis™ service.

Open Source Software Notice Information

To obtain the source code under GPL, LGPL, MPL, and other open source licenses, that is contained in this product, please visit http://opensource.lge.com.

In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download.

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to opensource@lge.com. This offer is valid for three (3) years from the date on which you purchased the product.

Declaration of Conformity

CE 0197

Hereby, LG Electronics European Shared Service Center B.V., declares that this Washing machine is compliant with the essential requirements and other relevant provisions of Directive 1999/5/EC. The complete Declaration of Conformity may be requested through the following postal address:

LG Electronics European Shared Service Centre B.V.

Krijgsman 1

1186 DM Amstelveen

The Netherlands

or can be requested at our dedicated DoC website:

http://www.lg.com/global/support/cedoc/cedoc#

This device is a 2.4 GHz wideband transmission system, intended for use in all EU member states and EFTA countries.

ZigBee Module Specifications

Model	EBR81777301
Frequency Range	2405~2480 MHz
Output Power(max.)	2.3 dBm

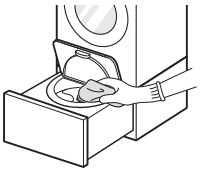
⚠ WARNING

- Unplug the washing machine before cleaning to avoid the risk of electric shock. Failure to follow this warning may result in serious injury, fire, electric shock, or death.
- Never use harsh chemicals, abrasive cleaners, or solvents to clean the washing machine. They may damage the finish.

Cleaning Your Washing Machine

Care After Wash

- After the cycle is finished, wipe the door and the inside of the door seal to remove any moisture.
- Leave the door open to dry the drum interior.
- Wipe the body of the washing machine with a dry cloth to remove any moisture.



Cleaning the Exterior

Proper care of your washing machine can extend its life.

Door:

- Wash with a damp cloth on the outside and inside and then dry with a soft cloth.

Exterior:

- Immediately wipe off any spills.
- Wipe with a damp cloth.
- Do not press the surface or the display with sharp objects.

Cleaning the Interior

- Use a towel or soft cloth to wipe around the washing machine door opening and door glass.
- Always remove items from the washing machine as soon as the cycle is complete. Leaving damp items in the washing machine can cause wrinkling, colour transfer, and odour.
- Run the Tub Clean programme once a month (or more often if needed) to remove detergent buildup and other residue

Tub Clean

Use this option to keep the drum clean by sterilizing germs within the drum.

1 Press the **Power** button.

2 Dilute 200 ml liquid chlorine bleach in 1 ℓ of water and pour the mixture in the drum.

3 Press the **Tub Clean** button to set time required.

4 Press the **Start/Pause** button.

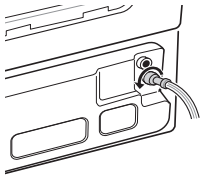
⚠ CAUTION

- If there is a child, be careful not to leave the door open for too long.

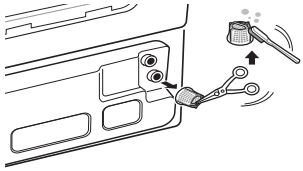
Cleaning the Water Inlet Filter

- Turn off the stopclock if the washing machine is to be left for any length of time (e.g. holiday), especially if there is no floor drain (gully) in the immediate vicinity.
- 1E icon may blink on the display when the water pressure is weak or an inlet filter is clogged with dirt. Clean the inlet filter.
- The inlet filter screens could be plugged by hard water scale, sediment in the water supply, or other debris.

1 Turn off the water tap and unscrew the water inlet hose.



2 Clean the filter using a hard bristle brush.

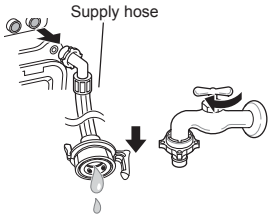


Caution on Freezing During Winter

- When frozen, the product does not operate normally. Make sure to install the product where it will not freeze during winter.
- In case the product must be installed outside on a porch or in other outdoor conditions, make sure to check the following.

How to Keep the Product from Freezing

- After closing the tap, disconnect the cold supply hose from the tap, and remove water while keeping the hose facing downwards.



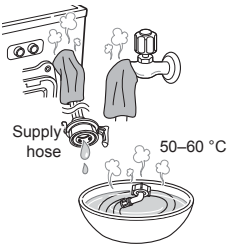
How to Handle Freezing

Step 1. When the Door is Frozen

- Thaw out the door using a hot water cloth.

Step 2. When the Water Supply Hose is Frozen

- 1E icon may blink on the display when water supply problems occur, take the following measures.
  - Take out water supply hose and connect to the tap and check that water comes from the tap and supply hose.
  - Turn off the tap, and thaw out the tap and both connection areas of supply hose of the product using a hot water cloth.
  - Take out supply hose and immerse in warm water below 50–60 °C.



Step 3. When the Drain Pump is Frozen

- FF, OE icon may blink on the display when drain pump problems occur, take the following measures.

1 Pour 15 ℓ warm water below 50–60 °C in the drum until washing machine wing nuts are immersed and wait for an hour.

2 Press the **Power** button and then run the Boil Wash programme for an hour.
- When IE icon appears on the display, repeat steps 1 to 2.

3 Turn off the power when the Boil Wash programme is finished. If the drawer is open, select the **Extra Rinse** to the number of 9 and press the **Start/Pause** button to run the Spin.

4 Select the **Rinse+Spin** programme and press the **Start/Pause** button to check that the washing machine works.

5 When OE icon appears on the display, thaw out the drain hose inner part with the hot water.

TROUBLESHOOTING

The appliance is equipped with an automatic error-monitoring system to detect and diagnose problems at an early stage. If the appliance does not function properly or does not function at all, check the following before you call for service:

Diagnosing Problems

Symptoms	Reason	Solution
The drawer does not open.	**Power failure, or the power cord was pulled out during washing.**	• After providing the power again, press the **Power** button with the control panel of Main Washer or the remote control.
	Hand Wash programme was operated.	• For safety reasons, the drawer may not open when the washing machine is at a high temperature inside. This is not a malfunction, and the drawer will open after a period of time.
Draining starts when pressing Start/ Pause button.	**The Start/Pause button is pressed during washing.**	• When pressing the **Start/Pause** button during washing, the drawer is unlocked after drainage for safety.
Rattling and clanking noise	**Foreign objects, such as keys, coins, or safety pins may be in drum.**	• Stop washing machine, check drum for foreign objects. If noise continues after washing machine is restarted, call for service.
Thumping sound	**Heavy wash loads may produce a thumping sound.**	• If sound continues, washing machine is probably out of balance. Stop and redistribute wash load.
	Wash load may be out of balance.	• Pause the cycle and redistribute the load after the door unlocks.
Vibrating noise	**Packaging materials were not removed.**	• Remove packing materials
	Wash load may be unevenly distributed in the drum.	• Pause the cycle and redistribute the load after the door unlocks.
	Not all leveling feet are resting firmly and evenly on the floor.	• See Leveling the Appliance in the Installation section.
	Floor not rigid enough.	• Make sure that the floor is solid and does not flex.
Water leaks every load	**Hoses not installed correctly.**	• Check all fill and drain hose connections to ensure that they are tight and secure.
Excessive sudsing	**Too much detergent or incorrect detergent.**	• Reduce the amount of detergent for lightly soiled laundry. If you use too much detergent, excessive bubbles will remain after rinsing.

Symptoms	Reason	Solution
Staining	**Clothes were not properly sorted.**	• Always wash dark colors separately from light colors and whites to prevent discoloration. • Never wash heavily soiled items washed with lightly soiled items.
Water leaking	**Supply hose connection is loose at the tap, washing machine, or drain hose connector.**	• Check hoses and drain hose connectors for leaks, cracks and splits. • Tighten hose connections.
	House drain pipes are clogged.	• The washing machine pumps out water very rapidly. Check for water backing up out of the drain pipe during drain. If water is seen coming out of the drain, check for proper drain hose installation and check for restrictions in the drain. Contact a plumber to repair drain pipe.
	Drain hose has come out of drain connector or is not inserted far enough.	• Tie drain hose to supply hose or standpipe to prevent it from coming out during drain. For smaller drain pipes, insert the drain hose into the pipe as far as the drain hose flange. For larger drain pipes, insert the drain hose into the pipe 2-5 cm past the flange.
	Load is too large for the drum.	• Reduce the load or use Main Washer. • Stop the washing machine and check the load. Make sure the load fits loosely in the drum and the door closes easily.
Wrinkling	**Washing machine not unloaded promptly.**	• Always remove items from the washing machine as soon as the cycle is complete.
	Washing machine overloaded.	• The washing machine can be fully loaded, but the drum should not be tightly packed with items. The door of the washing machine should close easily.
	Hot and cold water supply hoses are reversed.	• Hot water rinse can set wrinkles in garments. Check the supply hose connections.

Symptoms	Reason	Solution
Water leaks.	**Oversudsing of detergent.**	• Oversudsing may create leaks, and may be caused by the type and amount of detergent used. Always reduce the amount of detergent if the load is small or lightly soiled, or if your water is very soft. Never use more than the maximum amount shown in the dispenser provided.
Washing machine is not filling properly.	**Filter clogged.**	• Make sure the inlet filters on the fill valves are not clogged. Refer to the filter cleaning instructions.
	Supply hoses may be kinked.	• Check that supply hoses are not kinked or clogged.
	Insufficient water supply.	• Make sure that both hot and cold water taps are turned on all the way.
	door and drawer are open.	• The washing machine will not operate if the door is open. Close the door and make sure that nothing is caught under the door preventing it from closing completely.
	Hot and cold supply hoses are reversed.	• Check supply hose connections.
	Water level is too low.	• The fill level is optimized for the wash motion to achieve the best wash performance.

Symptoms	Reason	Solution
Washing machine will not operate.	**Control panel has powered off due to inactivity.**	• This is normal. Press the **Power** button to turn the washing machine on.
	Washing machine is unplugged.	• Make sure cord is plugged securely into a working outlet.
	Water supply is turned off.	• Turn both hot and cold taps fully on.
	Controls are not set properly.	• Make sure the cycle was set correctly, close the door and press the **Start/Pause** button.
	Door or drawer is open.	• Close the door and drawer make sure that nothing is caught under the door preventing it from closing completely.
	Circuit breaker/fuse is tripped/blown.	• Check house circuit breakers/fuses. Replace fuses or reset breaker. The washing machine should be on a dedicated branch circuit. The washing machine will resume the cycle where it stopped once power is restored.
	Control needs to be reset.	• Press the **Power** button, then re-select the desired programme and press the **Start/Pause** button.
	Start/Pause was not pressed after a cycle was set.	• Press the **Start/Pause** button with control panel of Main Washer or remote control after closing the drawer. • When using the control panel of Main Washer, press the **Start/Pause** button and close the drawer within 5 seconds.
	Extremely low water pressure.	• Check another tap in the house to make sure that household water pressure is adequate.
	Washing machine is too cold.	• If the washing machine has been exposed to temperatures below freezing for an extended period of time, allow it to warm up before pressing the **Power** button.

Symptoms	Reason	Solution
Washing machine will not drain water.	**Kinked drain hose.**	• Ensure that the drain hose is not kinked.
	Drain located higher than 2.4 m above the floor.	• Make sure that the drain hose is no higher than 2.4 m above the bottom of the washing machine and is no more than 1.5 m away from the washing machine.
Poor stain removal	**Heavily soiled load.**	• Use Main Washer.
	Previously set stains.	• Articles that have previously been washed may have stains that have been set. These stains may be difficult to remove and may require hand washing or pre-treating to aid in stain removal.
Wash cycle time is longer than usual.	**The washing machine automatically adjusts the wash time for the amount of laundry, water pressure and other operating conditions.**	• This is normal. The washing machine adjusts cycle time automatically to provide optimal results for the selected programme. The time remaining shown in the display is only an estimate. Actual time may vary.
Musty or mildewy odor in washing machine	**Incorrect or too much detergent has been used.**	• This machine requires very little detergent. Use the provided detergent measuring cup.
	Inside of drum was not cleaned properly.	• Run the Tub clean programme regularly.
Washing machine chimes repeatedly before final rinse.	**This is not an error.**	• This is an alert to allow the addition of liquid fabric softener before the final rinse.

Error Messages

Symptoms	Reason	Solution
	**Drawer is not closed properly.**	• Close the drawer and press **Start/Pause** button to start the cycle. • If the drawer is closed and the drawer lock error message is displayed, call for service.
	**Door is not closed properly.**	• Open the drawer and make sure the latch area is free of clothing or other obstructions. • Close the door, shut the drawer, and press **Start/Pause** to start the cycle. • If the door is closed and the door error message is displayed, call for service.
	**Water supply taps are not fully open.**	• Make sure that the water taps are fully open.
	Water line hoses are kinked, pinched, or crushed.	• Make sure that the hoses are not kinked or pinched. Be careful when moving the washing machine during cleaning and maintenance.
	Water inlet filters are clogged.	• Clean the inlet filters.
	Water supply pressure to tap or house is too low.	• Check another tap in the house to make sure that household water pressure is adequate and flow is not restricted. Disconnect the supply hose from the washing machine and run a few liters of water through the hose to flush the water supply lines. If flow is too low, contact a plumber to have the water lines repaired.
	Water supply connected with leak-limiting hoses.	• Hoses designed to limit leaks can trip falsely and prevent the washing machine from filling. The use of leak limiting hoses is not recommended.
	**Drain hose is kinked, pinched, or clogged**	• Make sure the drain hose is free of clogs, kinks, etc., and is not pinched behind or under the washing machine.
	Drain discharge is more than 1.2 m above bottom of washing machine.	• Adjust or repair drain. Maximum drain height is 1.2 m.

Symptoms	Reason	Solution
	**UE rebalancing operation is not successful.**	• The automatic attempt to rebalance the load was not successful. The cycle has been paused to allow the load to be manually adjusted.
	The load is too small.	• Add more items to allow the washing machine to balance the loads.
	Heavy articles are mixed with lighter items.	• Wash articles of somewhat similar weight.
	The load is out of balance.	• Manually redistribute the load if articles have become tangled.
	**Control error.**	• Unplug the power plug and call for service.
	**Water level is too high due to a faulty water valve.**	• Close the water taps, unplug the washing machine, and call for service.
	**The water level sensor is not working correctly.**	• Close the water taps, unplug the washing machine, and call for service.
	**A motor error has occurred.**	• Allow the washing machine to stand for 30 minutes and then restart the cycle. If the LE error code persists, call for service.
	**It is time to run the Tub Clean programme.**	• Run the Tub Clean programme.
	**Mini Washer is being operated without a full-size washing machine.**	• Mini Washer will not operate as a standalone unit. It must be stacked under an LG front-loading washing machine.
	Stacking switch is not working properly.	• The stacking switch will not operate properly if the unit is stacked under a non-LG appliance, or an LG appliance manufactured before 2009.
	**Drain hose, supply hose or drain pump is frozen.**	• Thaw out the supply hose using a hot water cloth. • Pour warm water in the drum.
	**CL is not an error. This prevents children from changing cycles or operating the appliance.**	• To deactivate, turn off the Child Lock in control panel of Main washer or press the **Rinse+** and **Tub Clean** button for three seconds in control panel of washing machine.

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