



Washing Machine

OWNER'S MANUAL

F1406TDS(1~9)
F1406TDSA
F1406TDSE

Thank you for buying a
LG Fully Automatic Washing machine.
Please read your owner's manual carefully, it provides
instructions on safe installation, use and maintenance.
Retain it for future reference.
Record the model and serial numbers of your washing machine.

Product Feature

■ Direct Drive System

The advanced Brushless DC motor directly drives the drum without belt and pulley.



■ Water Circulation

Spray detergent solution and water onto the load continuously. Clothes are soaked more quickly and thoroughly during wash cycle. The detergent suds can be removed more easily by the water shower during rinse cycle. The water circulation system uses both water and detergent more efficiently.



■ Built-in Heater

Internal heater automatically heats the water to the best temperature on selected cycles.



■ Child Lock

The Child lock prevents children from pressing any button to change the settings during operation.



■ More economical by Intelligent Wash System

Intelligent Wash System detects the amount of load and water temperature, and then determines the optimum water level and washing time to minimize energy and water consumption.



■ Low noise speed control system

By sensing the amount of load and balance, it evenly distributes load to minimize the spinning noise level.



■ Safety device (Aqua lock)

Aqua lock System is designed for detecting water leak during operation to prevent water from flooding over the floor.



■ Steam Washing and Refresh

Steam Washing features upgraded washing performance with low energy consumption. Refresh cycle reduces wrinkles from dry clothes.



■ Automatic Wash Load Detection

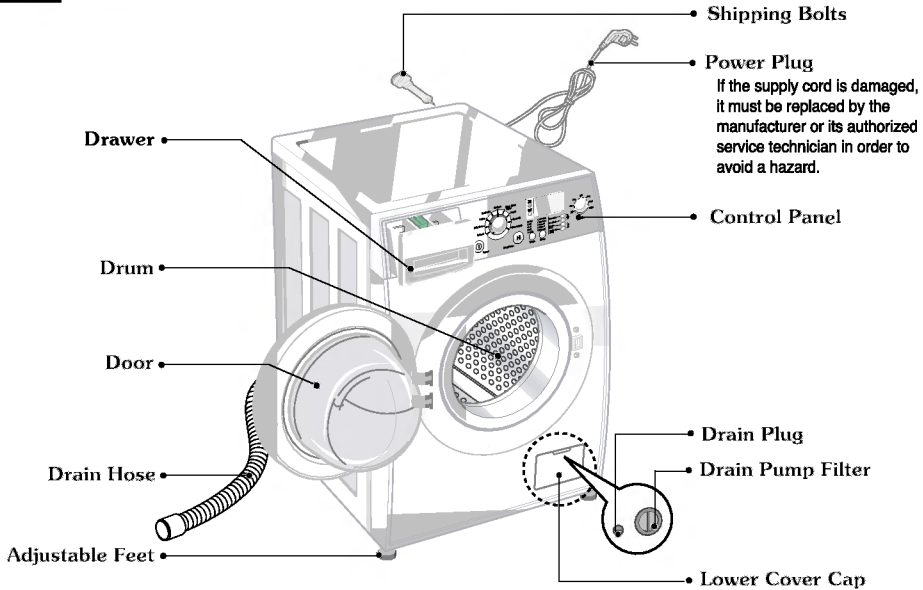
Automatically detects the load and optimizes the washing time.



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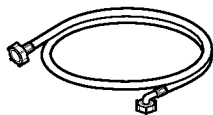
S pecification



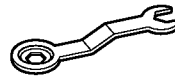
- Name : Front loading washing machine
- Power supply : 220-240V~, 50Hz
- Size : 600mm(W)x 590mm(D) x 850mm(H)
- Weight : 63kg
- Max.Watt : 2100W (Wash) / 1100W (Steam)
- Wash capacity : 8,0kg
- Water consumption : 52 ℓ (6,5 ℓ / kg)
- Permissible water pressure : 0,3-10kgf/cm² (30-1000 kPa)
- Spin speed : ~~0~~ /400/600/800/1000/1200/1400

* The appearance and specifications may be varied without notice to raise the units quality.

■ Accessories



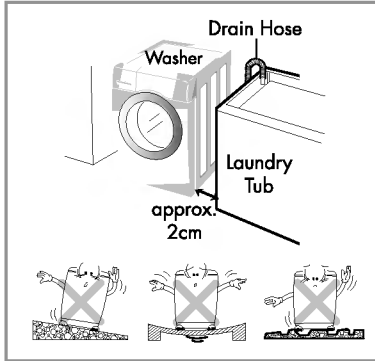
Inlet hose(1EA)



Spanner

I nstallation

■ Installation place requirement



Level floor :

Allowable slope under entire washer is 1°

Power outlet :

Must be within 1.5 meters of either side of location of washer. Do not overload the outlet with more than one appliance.

Additional Clearance :

For wall, door and floor modeling is required.

(10cm : rear /2cm:right & left side)

Do not place or store laundry products on top of washer at any times.

They can damage the finish or controls.

■ Positioning

Install the washer on a flat hard floor.

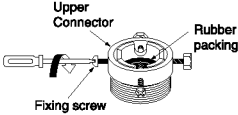
Make sure that air circulation around the washer is not impeded by carpets, rug etc.

- Never try to correct any unevenness in the floor with pieces of wood, cardboard or similar materials under the washer.
- If it is impossible to avoid positioning the washer next to a gas cooker or coal burning stove, an insulation(85x60cm) covered with aluminum foil on the side facing the cooker or stove, must be inserted between the two appliance.
- The washer must not be installed in rooms where the temperature can drop below 0°C.
- Please ensure that when the washer is installed, it is easily accessible for the engineer in the event of a breakdown.
- Adjust all four feet using the transit bolt spanner provided ensuring the appliance is stable, and a clearance of approximately 20mm is left between the top of the washer and the underside of the work-top.

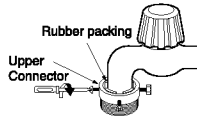
Installation

■ Normal Tap without thread & screw type inlet hose

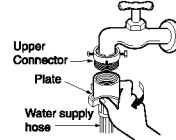
1. Unscrew the fixing screw to attach the tap.



2. Push the connector up till the rubber packing is in tight contact with the tap. Then tighten the 4 screws.

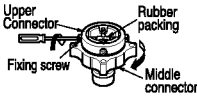


3. Push the water supply hose vertically upwards so that the rubber packing within in the hose can adhere completely to the tap and then tighten it by screwing it to the right.

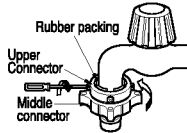


■ Normal Tap without thread & one touch type inlet hose

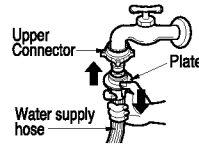
1. Untighten the upper connector screw.



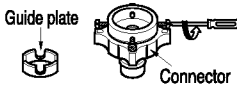
2. Push the upper connector up till the rubber packing is in tight contact with the tap. Then tighten the 4 screws.



3. Connect the water supply hose to the middle connector, pushing the plate down.

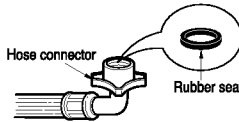


• In case the diameter of the tap is large remove the guide plate.

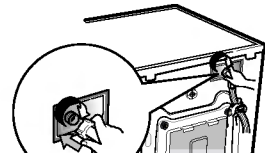


• Turn the middle connector not to have water leaked.
• Make sure that the rubber seal is inside the hose connector.

• To separate the water supply hose from the middle connector shut off the tap. Then pull the inlet hose down, pushing the plate down.



• Unable water Tap for connecting hose.



• Make sure that there are no kinks in the hose and that it is not crushed.

Used the horizontal tap

Horizontal tap



Extension tap



Square tap



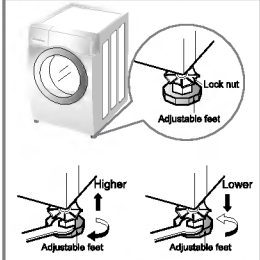
Installation

■ Level adjustment



1. Adjusting the washing machine level properly prevents excessive noise and vibration.
Install the appliance on a solid and level floor surface, preferably in a corner of the room.

NOTE Timber or suspended type flooring may contribute to excessive vibration and unbalance errors.



2. If the floor is uneven, adjust 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)

※ *After the washer is level, tighten the lock nuts up towards of the base of the washer. All lock nuts must be tightened.*

NOTE In the case that the washing machine is installed on a raised platform, it must be securely fastened in order to eliminate the risk that it might fall off.

※ *Diagonal Check*

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

■ Concrete floors

- The installation surface must be clean, dry and level.
- Install washer on a flat hard floor.

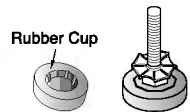
■ Tile floors (Slippery floors)

- Position each foot on the Tread Mate and level the machine to suit. (Cut Tread Mate into 70x70 mm sections and stick the pieces on to the dry tile where machine is to be placed.)

※ *Tread Mate is a self adhesive material used on ladders & steps that prevents slipping.*

■ Wooden floors (Suspended floors)

- Wooden floors are particularly susceptible to vibration.
- To prevent vibration we recommend you place rubber cups under each foot, at least 15mm thick under the washer, secured to at least 2 floor beams with screws.
- If possible install the washer in one of the corners of the room, where the floor is more stable.



Rubber Cup

※ *Insert the rubber cups to reduce vibration.*

※ *You can obtain the rubber cups (p/no.4620ER4002B) from the LG svc dept.*

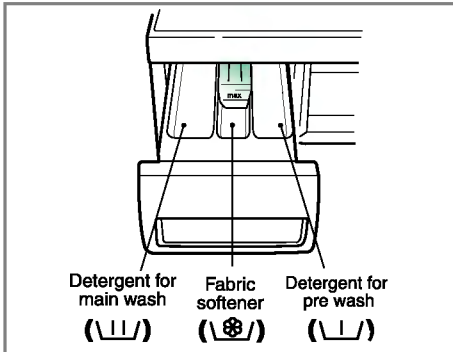
Important!

- Proper placement and levelling of the washer ensure long, regular and reliable operation.
- The washer must be absolutely horizontal and stand firmly in position.
- It must not "Seesaw" across corners under load.
- The installation surface must be clean, free from floor wax and other lubricant coatings.
- Do not let the feet of the washer get wet. If feet of the washer get wet, slipping may occur.

Adding detergent

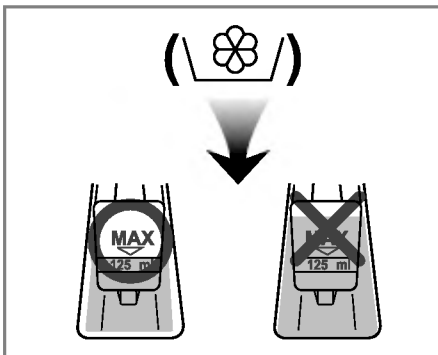
■ Adding detergent and fabric softener

1. The Dispenser Drawer



- Main wash only → U-shaped line
- Pre Wash + Main Wash → U-shaped line • U-shaped line

2. Adding Fabric Softener



- Do not exceed the maximum fill line. Close the dispenser drawer slowly. Overfilling can cause early dispensing of the fabric softener which could stain clothes.
- Do not leave the fabric softener in the detergent drawer for more than 2 days. (Fabric softener could harden)
- Softener will automatically be added during the last rinse cycle.
- Do not open the drawer when water is supplied.
- Solvents (benzene, etc) are not allowable.

NOTE Do not pour fabric softener directly on the doths

Function

■ Recommended courses according to the laundry type

Program	Fabric Type	Water Temp. (Option)	Option	Maximum Load
Cotton	Color fast garments (shirts, night dresses, pajamas...) and lightly soiled white cotton (underwear)	60°C (Cold, 30°C, 40°C, 95°C)	- Intensive - Pre Wash - Crease Care - Medic Rinse	Rating
Cotton Quick	Cotton which is lightly soiled	40°C (Cold, 30°C, 60°C)		Less than 7.0kg
Synthetic	Polyamide, Acrylic, Polyester			Less than 4.0kg
Baby Care	Lightly soiled baby wear	60°C (40°C, 95°C)		
Allergy Care	Cotton, underwear, pillow covers, bed sheets, baby wear	60°C	- Intensive - Crease Care - Medic Rinse	
Delicate	Delicate laundry easily damaged	30°C (Cold, 40°C)	- Intensive - Crease Care	Less than 3.0kg
Quick 30	Colored laundry which is lightly soiled fast			Less than 2.0kg
Hand Wash /Wool	"Hand wash" marked delicate and wool laundry			40°C (Cold, 30°C)
Refresh	Cotton mixed, Polyester mixed Dress shirts, blouses	No Choose	- Steam Default	3 items

* **Water Temperature** : Select the water temperature to the wash cycles.

Always follow garment manufacturer's care label or instructions when laundering.

* **Medic Rinse** : For high effectiveness or more purity in rinse operation you can choose Medic Rinse option. Medic Rinse is default in Baby Care program.

* **Intensive** : If the laundry is heavily soiled "Intensive" option is effective.

* Program setting with "Cotton 60°C + Steam Wash + Intensive" option for test in accordance or in conformity with EN60456 and IEC60456.

* **Pre Wash** : If the laundry is heavily soiled, "Pre Wash" Cotton is recommended.

Pre Wash is available in Cotton, Cotton Quick, Synthetic and Baby Care program.

* **Crease Care** : If you want to prevent crease, select Crease Care button.

* **Allergy Care** : This program helps to reduce allergic reactions caused by house dust mite, and it does it by killing and removing the mite in the laundry with the help of high temperature steam and powerful rinse.

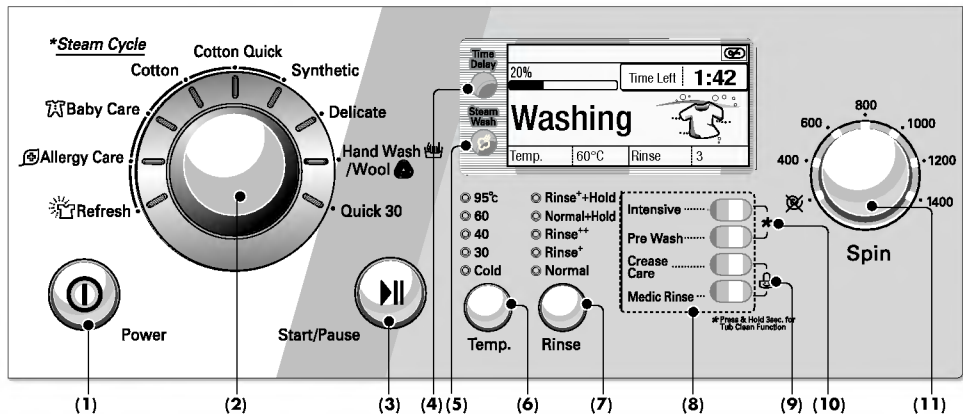


The wool wash cycle of this machine has been approved by Woolmark for the washing of machine washable Woolmark products provided that the products are washed according to the instructions on the garment label and those issued by the manufacturer of this washing machine M0708.

* **Notes** : Neutral detergent is recommended.

The wool cycle features gentle tumbling and low-speed spin for garment care.

How to use washer

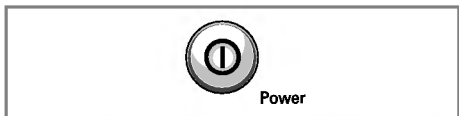


- (1) Button : Power
- (2) Dial : Program
- (3) Button : Start/Pause
- (4) Button : Time Delay

- (5) Button : Steam Wash
- (6) Button : Temperature
- (7) Button : Rinse
- (8) Button : Option

- (9) Child Lock
- (10) Tub Clean
- (11) Dial : Spin

Power



1. Power

- Press the Power button to turn power on and off.
- To cancel the **Time Delay** function, the Power button should be pressed.

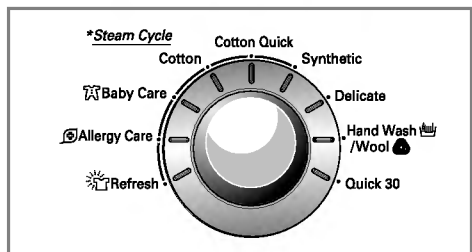
2. Initial Program

- When the Power button is pressed, the washer is ready for Cotton program. And the other initial conditions as follows.
- So, if you want to advance into the washing cycle without changing the program, just press **Start/Pause** button and then the washer will proceed.

■ Initial program

- Cotton Program / Main Wash / Normal Rinse / 1400 rpm / 60°C

Program

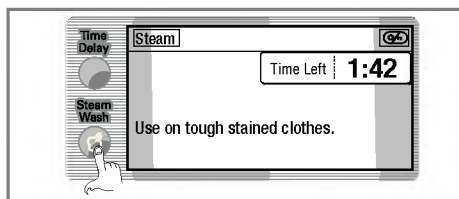


- 9 programs are available according to the laundry type.
- Lamp will light up to indicate selected program.
- When **Start/Pause** button is pressed, the Cotton program is automatically selected.
- By turning the Program dial, the program is selected in order of "Cotton – Cotton Quick – Synthetic – Delicate – Hand Wash/Wool – Quick 30 – Refresh – Allergy Care – Baby Care".

*Regarding to the laundry type for each program
Please refer to the page 14.*

How to use washer

Steam Wash



By pressing the Steam Wash button, Steam Function Can be selected.

When Steam Function is selected, Steam wash () LED lights on.

Steam Wash is

- For tough stained clothes, underwear, or baby clothes.
- Steam Wash is available with Cotton, Cotton Quick, Synthetic, Allergy Care, Baby Care, Refresh program. Refresh cycle is fixed Steam wash.

Program	Temperature
Cotton	60°C (30°C, 40°C, 95°C)
Cotton Quick	40°C (30°C, 60°C)
Synthetic	40°C (30°C, 60°C)
Allergy Care	60°C
Baby Care	60°C (40°C, 95°C)
Refresh	No Choose

- This option features upgraded washing performance with low energy.
- Do not load delicates such as wool, silk, and easily discolored clothes.

NOTE:

- Steam wash is a highly concentrated and efficient. It may seem there is no water inside the drum(normal condition).
- During the steam cycle the strong steam spray may not be seen through the door (normal condition).
- During the steam operation, a spraying sound will be heard. (normal condition)
- Do not try to open the door while operating. Steam can cause severe burns.

⚠ CAUTION:

- Do not reach into the washer while operating. Steam can cause severe burns.

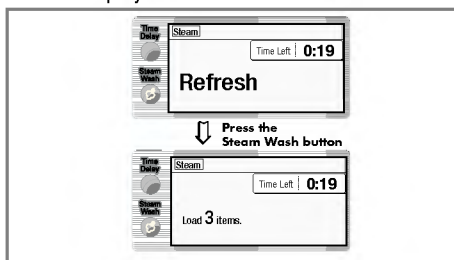
Refresh

■ Refresh cycle

- For slightly wrinkled clothes which have been stored for an extended time. It just makes wrinkled clothes easy to iron (Do not load wet clothes).
- Wrinkles will be reduced.

■ How to use Refresh cycle

1. Turn on the washer and select the Refresh program.
2. Load 3 items or less and close the door.
3. Press the Steam Wash button repeatedly until the desired and correct number of items is displayed. Initial display is 2 items



4. Press the Start/Pause button.

[Precautionary Notes]

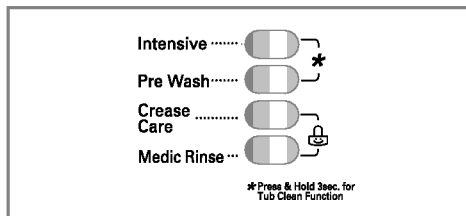
- The Refresh cycle is not like other washing or drying cycles.
- Due to the characteristic of cotton fibers, this cycle is not recommended for 100% cotton clothing.
- Remove stains from clothing before using the Refresh cycle to prevent permanently setting the stains by high heat.
- Be sure that the faucet is open. This cycle uses a little water to produce steam.
- Be careful not to touch the door. It can be very hot.
- Do not open the door while operating. Steam can cause severe burns.
- After removing clothes from the Refresh cycle they may feel slightly damp wait at least 10 minutes before putting the clothes on.
- Best result are achieved when articles are of similar size and fabric type. Do not overload (Load less than 3 dress shirts)

⚠ CAUTION:

- Do not reach into the washer while operating. Steam can cause severe burns.
- Keep pets away from the washer.

How to use washer

Option



By pressing each the button, each function will be selected.

1. Intensive

- If the laundry is heavily soiled "Intensive" option is effective.
- By selecting the Intensive option, the wash time may be extended, depending on the program selected.
- To use this option, press the intensive button once before the wash program is started.

2. Pre Wash

- Use this option for load that need pretreatment. Add 16 minutes pre wash and drain.
 - When using Pre Wash option, do not use liquid detergent in the main wash compartment. Use powder for the main wash.
- Available in Cotton, Cotton Quick, Synthetic and Baby Care program.

3. Crease Care

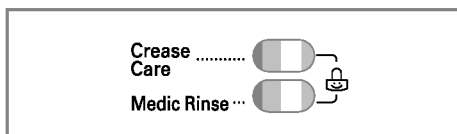
- If you want to prevent crease, select this button with spin speed.

4. Medic Rinse

- For high effectiveness or more purity in rinse operation you can choose Medic Rinse option.
- Available in Cotton, Cotton Quick, Synthetic, Allergy Care and Baby Care program.
- Medic Rinse is default in Baby Care program.

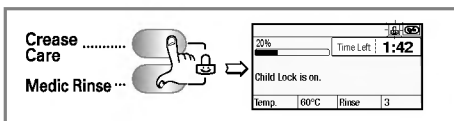
The required temperature lamp will light up for identification.

Child lock

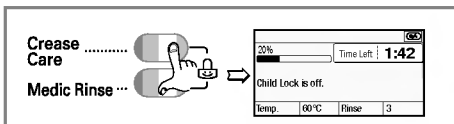


If you choose to lock the buttons on the control assembly to prevent tampering, this function may be selected.

- Child lock can be set by pressing and holding the **Crease Care** and **Medic Rinse** button simultaneously. (About three seconds)

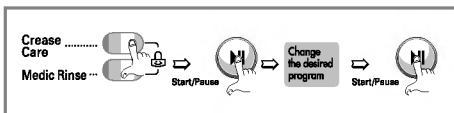


- To deactivate Child lock system, press and hold the **Crease Care** and **Medic Rinse** button simultaneously again. (About three seconds)



- To change to the desired program, whilst in child lock mode.

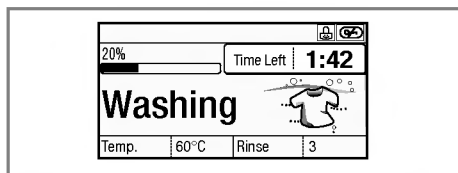
1. Press and hold both **Crease Care** and **Medic Rinse** button together once again. (About three seconds)
2. Press the **Start/Pause** button.
3. Select the desired program and press the **Start/Pause** button again.




- The child lock can be set at any time and it can be deactivated only by using child lock cancel process. Turning the power off and operational errors will not affect child lock.

How to use washer

Display



1. Special function display


- When Child lock is selected, the “” lamp is on.
- When time delay is selected, it shows the remaining times to finish the selected program.

2. Self diagnose display

- If the washer encounters a fault during operation, the associated fault will be displayed.


“**PE**” : Water pressure sensing error


“**FE**” : Problem of overfilling water

“” : Door is not closed

“**LE**” : Over load in motor

“” : Water inlet trouble

“” : Drainage trouble

“” : Unbalanced load

“**tE**” : Water temperature trouble

“**AE**” : Water leaks

“**PF**” : The washer experienced a power failure.

If these error letters are displayed, please refer to the troubleshooting page 27 and follow the guide.

3. Completion of washing

- When washing cycle is completed, “**End**” is displayed on the “*Multi display*”.

4. Time left

- During washing cycle, the remaining washing time is displayed.
- Recommended program by manufacturer.
 - **Cotton** : around 1 hour and 51 minutes
 - **Cotton Quick** : around 1 hour and 26 minutes
 - **Synthetic** : around 1 hour and 24 minutes
 - **Baby Care** : around 2 hours and 27 minutes
 - **Delicate** : around 1 hour and 7 minutes
 - **Hand Wash/Wool** : around 48 minutes
 - **Quick 30** : around 30 minutes
 - **Refresh** : around 18 minutes
 - **Allergy Care** : around 2 hours and 1 minutes
- The washing time may vary by the amount of laundry, water pressure, water temperature and other washing conditions.
- If an unbalanced load is detected or if the suds removing program operates, the wash time may be extended.
(Max. increasing time is 45 minutes.)

Est. Time Remaining

- This display shows the estimated time remaining in the cycle when operating.
- This washer automatically detects the wash load (weight) and optimizes the washing time. After detecting, the display will show the adjusted time remaining.

Status Indicator

- It shows elapsed time of the cycle the washer is operating.

Maintenance

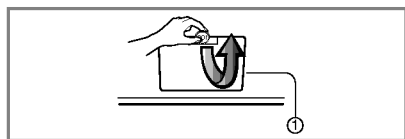
■ The drain pump filter

- * The drain filter collects threads and small objects left in the laundry.
Check regularly that the filter is clean to ensure smooth running of your machine.

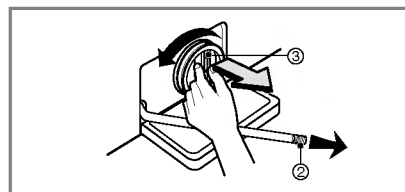
⚠ CAUTION First drain using the drain hose and then open the pump filter to remove whatever any threads or objects.

Be careful when draining if the water is hot.

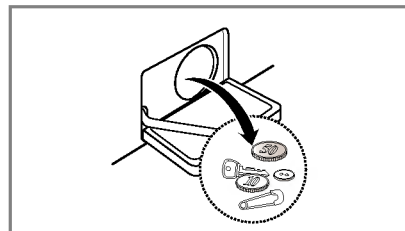
- * Allow the water to cool down before cleaning the drain pump, carrying out emergency emptying or opening the door in an emergency.



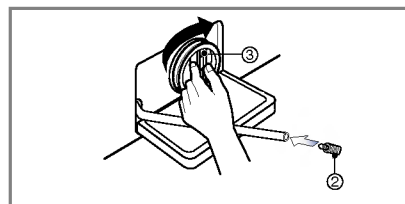
1. Open the lower cover cap (①) by using a coin.
Drain plug (②) to pull out the hose.



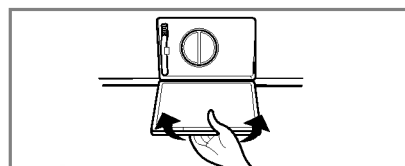
2. Unplug the drain plug (②), allowing the water to flow out. At this time use a vessel to prevent water flowing on to the floor. When water does not flow any more, turn the pump filter (③) open to the left.



3. Remove out any foreign material from the pump filter.



4. After cleaning, turn the pump filter (③) clockwise and insert the drain plug (②) to the original place. Close the lower cover cap.



Maintenance

■ The water circulation nozzle & Steam nozzle

- Clean the water circulation nozzle and Steam nozzle, if clogged.

■ Cleaning your washer

1. Exterior

Proper care of your washer can extend its life.

The outside of the machine can be cleaned with warm water and a neutral non abrasive household detergent.

Immediately wipe off any spills. Wipe with damp cloth.

Try not to hit surface with sharp objects.

* IMPORTANT: Do not use methylated spirits, diluents or similar products.

2. Interior

Dry around the washer door opening, flexible gasket and door glass.

Run washer through a complete cycle using hot water.

Repeat process if necessary.

NOTE Remove hard water deposits using only cleaners labeled as safe for washing machine.

■ Winterizing instructions

If the washer is stored in an area where freezing may occur or moved in freezing temperatures, follow these instructions to prevent damage to the washer:

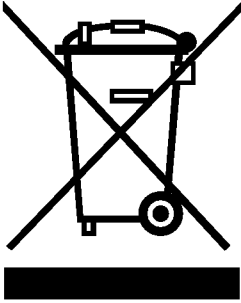
1. Turn off water supply tap.
2. Disconnect hoses from water supply and drain water from hoses.
3. Plug electrical cord into a properly grounded electrical outlet.
4. Add 1gallon(3.8L) of nontoxic recreational vehicle(RV) antifreeze into an empty wash drum. Close the door.
5. Set spin cycle and let washer spin for 1minute to drain out all water.
Not all of the RV antifreeze will be expelled.
6. Unplug electrical power cord, dry the drum interior, and close the door.
7. Remove dispenser drawer, drain and dry excessive water from the compartments.
8. Store washer in an upright position.
9. To remove antifreeze from washer after storage, run empty washer through a complete cycle using detergent. Do not add wash load.

Troubleshooting guide

Symptom	Possible Cause	Solution
Washer does not start	<ul style="list-style-type: none"> • Electrical power cord may not be plugged in or connection may be loose. • House fuse blown, circuit breaker tripped, or a power outage has occurred. • Water supply tap is not turned on. 	<p>Make sure plug fits tightly in wall outlet.</p> <p>Reset circuit breaker or replace fuse. Do not increase fuse capacity. If problem is a circuit overload, have it corrected by a qualified electrician. Turn on water supply tap.</p>
Washer won't spin	<ul style="list-style-type: none"> * Check that the door is firmly shut. 	<p>Close the door and press the Start/Pause button. After pressing the Start/Pause button, it may take a few moments before the washer begins to spin. The door must lock before spin can be achieved.</p>
Door does not open		<p>Once started, the door can not be opened for safety reasons. Wait one or two minutes before opening the door to give the electric locking mechanism time to release.</p>
Wash cycle time delayed		<p>The washing time may vary by the amount of laundry, water pressure, water temperature and other using conditions. If the imbalance is detected or if the suds removing program works, the wash time shall be increased.</p>

Terms of Warranty

Disposal of your old appliance



1. When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC.
2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
4. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.

What Is Not Covered:

- Service trips to your home to teach you how to use the product.
- If the product is connected to any voltage other than that shown on the rating plate.
- If the fault is caused by accident, neglect, misuse or Act of God.
- If the fault is caused by factors other than normal domestic use or use in accordance with the owner's manual.
- Provide instruction on use of product or change the set-up of the product.
- If the fault is caused by pests for example, rats or cockroaches etc..
- Noise or vibration that is considered normal for example water drain sound, spin sound, or warming beeps.
- Correcting the installation for example, levelling the product, adjustment of drain.
- Normal maintenance which recommended by the owner's manual.
- Removal of foreign objects / substances from the machine, including the pump and inlet hose filter for example, grit, nails, bra wires, buttons etc.
- Replace fuses in or correct house wiring or correct house plumbing.
- Correction of unauthorized repairs.
- Incidental or consequential damage to personal property caused by possible defects with this appliance.
- If this product is used for commercial purpose, it is not warranted.
(Example : Public places such as public bathroom, lodging house, training center, dormitory)

If the product is installed outside the normal service area, any cost of transportation involved in the repair of the product, or the replacement of a defective part, shall be borne by the owner.