Washing Machine
user manual

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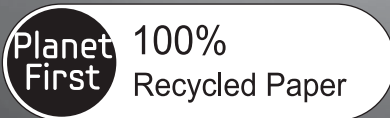
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imagine the possibilities

Thank you for purchasing this Samsung product.
To receive more complete service or accessory
parts, please register your product at or contact

www.samsung.com/register
1-800-SAMSUNG (726-7864)

ENERGY STAR

SAMSUNG

key features of your new Smart PowerFoam™ washer

1. VRT PLUS™ (Vibration Reduction Technology)

This Samsung washer minimizies noise and vibration with dual 3D vibration sensors and smart control technology, ensuring quiet operation.

2. The Largest Capacity

Samsung's extra-large capacity laundry machine can wash a full set of your bedding, a kingsize comforter, or up to 32 bath towels in a single load. Since you don't have to do as many loads, you save time, money, water, and energy.

3. PowerFoam™

Samsung's effective PowerForm delivers improved cleanliness with advanced fabric care. PowerFoam allows detergent to distribute evenly and penetrate fabrics faster and deeper.

4. PureCycle™(Tub Cleaning cycle)

Clean your drum with one button! This Pure Cycle is specially designed to remove detergent residue & dirt bulidup in the tub, diaphragm and door glass without the need for special chemical detergents.

5. SpeedSpray™

Samsung's new Speed Spray technology saves you up to 25%* more time when doing laundry by shortening wash times while still keeping all segments of the washing process and getting your clothes clean.

*Based on 8 pounds loads, Normal cycle (under Normal Soil level without any options), on previous and existing 4.3 cu.ft. Samsung front loading washers released until 2011 without Speed Spray.

**Speed Spray performs in Normal, Bedding PLUS, Deep Steam, Stain Away and Eco Cold cycle and the saving time may vary by cycles and various load and option compositions.

6. Deep steam

The Deep Steam feature boosts cleaning performance and loosens grime and dirt, thus providing superior cleaning results.

7. Smart Control

Samsung's innovative Smart Control technology enables you to control your washer through personal technologies such as smart phones. You don't have to be on standby until the cycle ends. Smart Control allows you to monitor the washing process and let you know when the cycle is complete.

8. Smart Care

Samsung's Smart Care, an automatic error-monitoring system, detects and diagnoses problems at an early stage and provides a quick and easy solution. With the innovative Smart Control technology, you can also be alerted when the problem occurs via your smart phones.

9. Stylish design

The stylish design of this washer blends well with your environment.

10. Digital Display & Center jog dial

The Jog dial enables you to select cycles in both directions with ease, and the display is easy to use and understand.

11. DD Motor

The power to handle anything! Our direct-drive inverter motor delivers power right to the washer tub from a variable speed, reversible motor. A beltless direct-drive motor generates a higher spin speed of 1,300rpm for more effective, quiter operation. The washer also has fewer moving parts, meaning fewer repairs.

12. Sanitize

When selecting this cycle, the water heats to an extra high temperature to remove 99.9% of certain bacteria typically found on clothing, bedding, or towels. This certification is conducted by NSF International, an independent third-party testing and certification organization.

Please check the garment care label to avoid garment damage. Only sanitizing cycles have been designed to meet the requirements of this protocol for sanitization efficacy.

NSF.

NSF Protocol P172
Sanitization Performance of Residential and
Commercial, Family-Sized Clothes Washers

## 13. Pedestal with Storage Drawers (Model No : WE357*)

An optional 15" pedestal is available to raise the washer for easier loading and unloading. It also offers a built-in storage drawer that can hold a 100 oz. bottle of detergent

14. Stacking (Model No : SK-5A/XAA)

Samsung washers and dryers can be stacked to maximize usable space. An optional stacking kit is available for purchase from your Samsung retailer.

<Pedestal with Storage Drawers>   <Stacking>
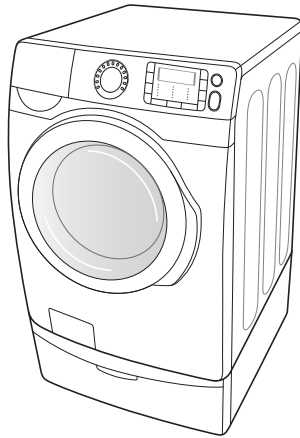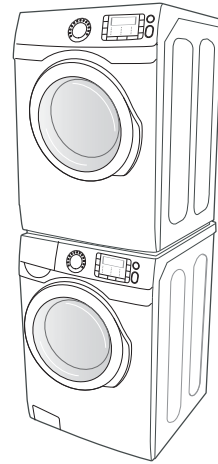
safety information

Congratulations on your new Samsung washer. This manual contains important information on the installation, use and care of your appliance. Please take time to read this manual to take full advantage of your washer's many benefits and features.

WHAT YOU NEED TO KNOW ABOUT SAFETY INSTRUCTIONS

The Warnings and Important Safety Instructions in this manual do not cover all possible conditions and situations that may occur. It is your responsibility to use common sense, caution, and care when installing, maintaining and operating your washer.

IMPORTANT SAFETY SYMBOLS AND PRECAUTIONS

What the icons and signs in this user manual mean:

⚠ **WARNING**	Hazards or unsafe practices that may result in **severe personal injury or death**. To reduce the risk of fire, explosion, electric shock, or personal injury when using your washer, follow these basic safety precautions:
⚠ **CAUTION**	Hazards or unsafe practices that may result in **minor personal injury or property damage**.

🚫	Do NOT attempt.
✂	Do NOT disassemble.
✋	Do NOT touch.
★	Follow directions explicitly.
🔌	Unplug the power plug from the wall socket.
⏚	Make sure the machine is grounded to prevent electric shock.
📞	Call the service center for help.
📝	Note

These warning signs are here to prevent injury to you and others.
Please follow them explicitly.
After reading this section, keep it in a safe place for future reference.

SAVE THESE INSTRUCTIONS

⚠ WARNING

To reduce the risk of fire, electric shock, or injury to persons when using your appliance, follow basic precautions, including the following:

1. Read all instructions before using the appliance.

2. Do not wash or dry articles that have been previously cleaned in, washed in, soaked in, or spotted with gasoline, dry-cleaning solvents, other flammable or explosive substances as they give off vapors that could ignite or explode.

3. Do not allow children to play on or in the appliance. Close supervision of children is necessary when the appliance is used near children.

4. Before the appliance is removed from service or discarded, remove the door to the washing or drying compartment.

5. Do not reach into the appliance if the drum is moving.

6. Do not install or store this appliance where it will be exposed to the weather.

7. Do not tamper with controls.

8. Do not repair or replace any part of the appliance or attempt any servicing unless specifically recommended in the user-maintenance instructions or in published user-repair instructions that you understand and have the skills to carry out.

9. Do not add gasoline, dry-cleaning solvents, or other flammable or explosive substances to the wash water. These substances give off vapors that could ignite or explode.

10. Under certain conditions, hydrogen gas may be produced in a hot water system that has not been used for 2 weeks or more. HYDROGEN GAS IS EXPLOSIVE. If the hot water system has not been used for such a period, before using a washer or combination washer-dryer, turn on all hot water faucets and let the water flow from each for several minutes. This will release any accumulated hydrogen gas. As the gas is flammable, do not smoke or use an open flame during this time.

SAVE THESE INSTRUCTIONS

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⚠️ CRITICAL INSTALLATION WARNINGS

⭐ Plug the power cord into an AC 120 V / 60 Hz / 15 A wall socket or higher and use the socket for this appliance only. In addition, do not use an extension cord.

- Sharing a wall socket with other appliances, using a power strip, or using an extension cord may result in electric shock or fire.
- Do not use an electric transformer. It may result in electric shock or fire.
- Ensure that the voltage, frequency, and amperage provided at the wall socket match the power specifications of the product.

The installation of this appliance must be performed by a qualified technician or service company.

- Failing to do so may result in electric shock, fire, an explosion, problems with the product, or injury.

Remove all foreign substances such as dust or water from the power plug terminals and contact points using a dry cloth on a regular basis.

- Unplug the power plug and clean it with a dry cloth.
- Failing to do so may result in electric shock or fire.

Plug the power plug into the wall socket in the right direction so that the cord runs towards the floor.

- If you plug the power plug into the socket in the opposite direction, the electric wires within the cable may be damaged and this may result in electric shock or fire.

⏚ This appliance must be properly grounded.
Do not ground the appliance to a gas pipe, plastic water pipe, or telephone line.

- Improper grounding may result in electric shock, fi re, an explosion, or problems with the product.
- Never plug the power cord into a socket that is not grounded correctly and make sure that it is in accordance with local and national codes.

⃠ Do not install this appliance near a heater or inflammable material.
Do not install this appliance in a humid, oily or dusty location, or in a location exposed to direct sunlight and water (rain drops).
Do not install this appliance in a location where gas may leak.

- This may result in electric shock or fire.

Plug the power plug into the wall socket firmly. Do not use a damaged power plug, damaged power cord, or loose wall socket.

- This may result in electric shock or fire.

Do not pull or excessively bend the power cord.
Do not twist or tie the power cord.
Do not hook the power cord over a metal object, place a heavy object on the power cord, insert the power cord between objects, or push the power cord into the space behind the appliance.

- This may result in electric shock or fire.

SAVE THESE INSTRUCTIONS

Do not pull the power cord when unplugging the power plug.

- Unplug the power plug by holding the plug.
- Failing to do so may result in electric shock or fire.

If the power plug or power cord is damaged, contact your nearest service center.

⚠ INSTALLATION CAUTIONS
CAUTION

★ Position the appliance so that the power plug is easily accessible.

- Failing to do so may result in electric shock or fire due to electric leakage.

Install your appliance on a level and hard floor that can support its weight.

- Failing to do so may result in abnormal vibrations, noise, or problems with the product.

Unplug the power plug when the appliance is not being used for long periods of time or during a thunder/lightning storm.

- Failing to do so may result in electric shock or fire.

⚠ CRITICAL USAGE WARNINGS
WARNING

★ If the appliance is flooded, cut the power immediately and contact your nearest service center.
If the appliance emits a strange noise, a burning smell, or smoke,, unplug the power plug immediately and contact your nearest service center.

- Failing to do so may result in electric shock or fire.

In the event of a gas leak (such as propane gas, LP gas, etc.), ventilate immediately without touching the power plug. Do not touch the appliance or power cord.

- Do not use a ventilating fan.
- A spark may result in an explosion or fire.

Do not wash items contaminated with gasoline, kerosene, benzene, paint thinner, alcohol or other flammable or explosive substances.

- This may result in electric shock, fire or an explosion.

Do not open the washer door by force while the washer is operating (high-temperature washing/drying/spinning).

- Water flowing out of the washer may result in burns or cause the floor to be slippery. This may result in injury.
- Opening the door by force may result in damage to the product or personal injury.

Make sure to remove the packaging (sponge, styrofoam) attached to the bottom of the washer before using it.

Do not insert your hand under the washer.

- This may result in injury.

SAVE THESE INSTRUCTIONS

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Do not touch the power plug with wet hands.
- This may result in electric shock.

Do not turn the appliance off by unplugging the power plug while an operation is in progress.
- Plugging the power plug into the wall socket again may cause a spark and result in electric shock or fire.

Keep all packaging materials well out of the reach of children, as packaging materials can be dangerous to children.
- If a child places a bag over its head, it may result in suffocation.

Do not let children or infirm persons use this washer unsupervised.
- Failing to do so may result in electric shock, burns or injury.

Do not insert your hand or a metal object under the washer while it is operating.
- This may result in injury.

Make sure the detergent drawer is closed before you put laundry into the washer or remove laundry from the washer.
- If the detergent drawer is open, you could strike the drawer with your head and injure yourself.

Do not attempt to repair, disassemble, or modify the appliance yourself.
- Do not use any fuse (such as cooper, steel wire, etc.) other than the standard fuse.
- If you need to repair or reinstall the appliance, contact your nearest service center.
- Failing to do so may result in electric shock, fire, problems with the product, or injury.

If water has enters the appliance anywhere but the drum, unplug the power plug and contact your nearest service center.
- Failing to do so may result in electric shock or fire.

When the water supply hose comes loose from the faucet and floods the appliance, unplug the power plug.
- Failing to do so may result in electric shock or fire.

If any foreign substance enters the appliance, unplug the power plug and contact you nearest service center.
- Failing to do so my result in electric shock or fire.

⚠ USAGE CAUTIONS
CAUTION

If the the washer is contaminated by a foreign substance such as detergent, dirt, food waste, etc., unplug the power plug and clean the washer using a damp, soft cloth.
- Failing to do so may result in discoloration, deformation, damage or rust.

If struck hard, the front glass can break. Take care when using the washer.
- If the glass is broken, it may result in injury.

SAVE THESE INSTRUCTIONS

After a water supply failure or when reconnecting the water supply hose, open the faucet slowly.
Open the faucet slowly after a long period of non-use.

- The air pressure in the water supply hose or the water pipe may result in damage to a part or in water leakage.

If a drain error occurs during an operation, check if there is a drainage problem.

- If the washer is used when it is flooded because of a drainage problem,, it may result in electric shock or fire due to electric leakage.

Insert the laundry into the washer completely so that laundry does not get caught in the door.

- If laundry gets caught in the door, it may result in damage to the laundry or the washer, or result in water leakage.

Ensure that the faucet is turned off when the washer is not being used.

- Ensure that the screw on the water supply hose connector is firmly connected to the faucet and properly tightened.
- Failing to do so may result in property damage or injury.

Take care that the Rubber Seal and the Front Door Glass are not contaminated by a foreign substance (e.g. waste, thread, hair, etc.)

- If a foreign substance is caught in the door or the door is not completely closed, it may cause water leakage.

Open the faucet and check if the water supply hose connector is firmly tightened and that there is no water leaking before using the product.

- If the water supply hose connectors are loose, it may result in water leakage.

The product you have purchased is designed for domestic use only.

The use for business purposes qualifi es as product misuse. In this case, the product will not be covered by the standard warranty provided by Samsung and no responsibility can be attributed to Samsung for malfunctions or damages resulting from such misuse.

If the wash is not performed and the laundry is left for a period of time after adding detergent or applying stain remover or pre-treatment onto the laundry, the laundry may be discolored.

Select the recommended cycle and temperature on the basis of the laundry items, sort the laundry by color on the basis of its colorfastness and select the appropriate cycle.

Make sure that foreign objects such as pins, buttons and coins are removed from clothing items when adding laundry into the washer. Wash dirty laundry separately from relatively clean items and wash fragile items separately from tougher textiles.

If an item is stained, wash it as fast as possible. Use stain remover or detergent only after testing the colorfastness of the item by applying a small quantity to an inside seam.

SAVE THESE INSTRUCTIONS

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Do not stand on top of the appliance or place objects (such as laundry, lighted candles, lighted cigarettes, dishes, chemicals, metal objects, etc.) on the appliance.

- This may result in electric shock, fire, problems with the product, or injury.

Do not operate the appliance with wet hands.

- This may result in electric shock.

Do not spray volatile material such as insecticide onto the surface of the appliance.

- As well as being harmful to humans, it may also result in electric shock, fire or problems with the product.

Do not place an object that generates a electromagnetic field near the washer.

- This may result in injury due to a malfunction.

Since the water drained during a high-temperature wash or drying cycle is hot, do not touch the water.

- This may result in burns or injury.

Do not wash, spin or dry water-proof seats, mats or clothing (*).

- Do not wash thick, hard mats even if the washer mark is on the care label.
- This may result in injury or damage to the washer, walls, floor or clothing due to abnormal vibrations.
- * Woolen bedding, rain covers, fishing vests, ski pants, sleeping bags, diaper covers, sweat suits, and bicycle, motor cycle, car covers, etc.

Do not operate the washer when the detergent box is removed.

- This may result in electric shock or injury due to water leakage.

Do not touch the inside of the tub during or just after drying as it is hot.

- This may result in burns.

Do not insert your hand into the detergent dispenser after opening it.

- This may result in injury as your hand may be caught.

Do not place any non-laundry objects, such as shoes, food waste, or animals into the washer.

- This can cause abnormal vibrations that can damage the washer, and, in the case of pets, cause severe injury or death.

Do not press the buttons using sharp objects such as pins, knifes, fingernails, etc.

- This may result in electric shock or injury.

Do not wash laundry contaminated by oils, creams or lotions usually found in skincare shops or massage clinics.

- This may result in the rubber seal becoming deformed and water leakage.

Do not leave metal objects (safety pins, hair pins, etc.) or bleach in the tub for long periods of time.

- This may cause the tub to rust.
- If rust appears on the surface of the tub, apply a neutral cleansing agent to the surface and use a sponge to clean it. Never use a metal brush.

SAVE THESE INSTRUCTIONS

Do not use dry cleaning detergent directly and do not wash, rinse, or spin laundry contaminated by dry cleaning detergent.

- This may result in spontaneous combustion or ignition due to the heat from the oxidation of the oil.

Do not use hot water from water cooling/heating devices.

- This may result in problems with the washer.

Do not use natural hand-washing soap in the washer.

- If it hardens and accumulates inside the washer, it may result in problems with the product, discoloration, rust or bad odors.

Do not wash large laundry items such as bedding in the washing net.

- Failing to do so may result in injury due to abnormal vibrations.
- Place smaller items, such as lace socks and lingerie in the washing net.

Do not use hardened detergent.

- If it accumulates inside the washer, it may cause water leakage.

Do not wash throw rugs or doormats.

- If you wash throw rugs or doormats, sand will accumulate inside the washer. It may result in errors such as no draining.

Take care that children's fingers are not caught in the door when closing it.

- This may result in injury.

⚠ WARNING CRITICAL CLEANING INSTRUCTIONS

Do not clean the appliance by spraying water directly onto it.
Do not use benzene, thinner or alcohol to clean the appliance.

- This may result in discoloration, deformation, damage, electric shock or fire.

Before cleaning or performing maintenance, unplug the appliance from the wall socket.

- Failing to do so may result in electric shock or fire.

SAVE THESE INSTRUCTIONS

safety information

REGULATORY NOTICE

1. FCC Notice

⚠️ **FCC CAUTION:**

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of FCC Rules. Operation is Subject to following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received including interference that cause undesired operation.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

FCC STATEMENT:

This equipment has been tested and found to comply within the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna
• Increase the separation between the equipment and receiver
• Connect the equipment into an outlet on a different circuit from that to which the receiver is connected
• Consult the dealer or an experienced radio/TV technician for help.

FCC RADIATION EXPOSURE STATEMENT:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

SAVE THESE INSTRUCTIONS

2. IC Notice

The term "IC" before the radio certification number only signifies that Industry Canada technical

specifications were met. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme á la norme NMB-003 du Canada.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

IC RADIATION EXPOSURE STATEMENT:

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

SAVE THESE INSTRUCTIONS

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installing your washer

UNPACKING YOUR WASHER

Unpack your Washer and inspect it for shipping damage. Make sure you have received all of the items shown below. If your Washer was damaged during shipping, or you do not have all of the items, contact 1-800-SAMSUNG(726-7864).

To prevent personal injury or strain, wear protective gloves whenever lifting or carrying the unit.

⚠️ **WARNING** Packing materials can be dangerous to children; keep all packing material (plastic bags, polystyrene, etc.) well out of the reach of children.

OVERVIEW OF YOUR WASHER

Hot water supply hose

Cold water supply hose

Detergent drawer

Control panel

Door

Tub

Debris filter

Drain tube

Filter cover

Drain Hose

Adjustable legs
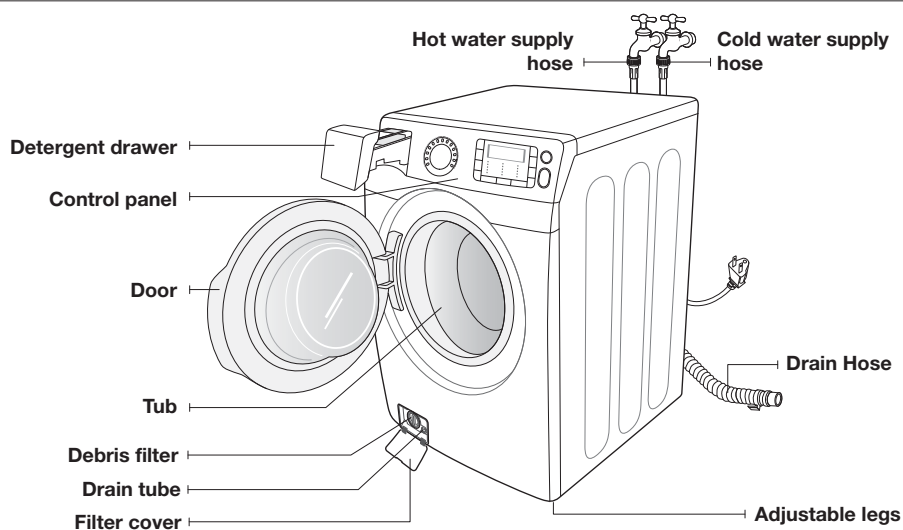
Parts supplied		
Wrench	Bolt hole covers	Water supply hoses
Hose guide	User manual book	Plastic zip hose tie
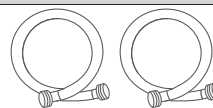
Tools needed	
Pliers	Flat screwdriver

BASIC LOCATION REQUIREMENTS

Electrical

- 120 Volt 60 Hz 15 AMP fuse or circuit breaker
- Individual branch circuit serving only your Washer is recommended.
- Your Washer is equipped with a power cord.

⚠ **CAUTION** NEVER USE AN EXTENSION CORD.

Grounding

ELECTRICAL GROUNDING IS REQUIRED ON THIS APPLIANCE.

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 a three-prong grounding plug for use in a properly installed and grounded outlet.

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

⚠ **WARNING** Improper connection of the equipment-grounding conductor can result in a risk of electrical shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the appliance is properly grounded. Do not modify the plug provided with the appliance – if it does not fit the outlet, have a proper outlet installed by a qualified electrician.

IMPORTANT SAFETY PRECAUTIONS

- To prevent unnecessary risk of fire, electrical shock or personal injury, all wiring and grounding must be done in accordance with the National Electrical Code ANSI/FNPA, No. 70 Latest Revision and local codes and ordinances. It is the personal responsibility of the appliance owner to provide adequate electrical service for this appliance.

⚠ **CAUTION** NEVER CONNECT GROUND WIRE TO PLASTIC PLUMBING LINES, GAS LINES, OR HOT WATER PIPES.

Water

To correctly fill your Washer in the proper amount of time, water pressure of 20-116 psi (137-800kPa) is required.

Water pressure less than 20 psi may cause water valve failure, or may not allow the water valve to shut off completely. Or, it may extend the fill time beyond what your Washer controls allow, resulting in your Washer turning off. A time limit is built into the controls in the event of an internal hose becoming loose and flooding your home.

The water faucets must be within 4 feet/122 cm of the back of your Washer for the inlet hoses provided with your Washer.

✐ Accessory inlet hoses are available in various lengths up to 10 feet/305cm for faucets that are further away from the back of your Washer.

To avoid the possibility of water damage:

- Have water faucets easily accessible
- Turn off faucets when the washer is not in use.
- Periodically check that there is no leakage from the water inlet hose fittings.

⚠ **WARNING** CHECK ALL CONNECTIONS AT THE WATER VALVE AND FAUCET FOR LEAKS.

⚠ **CAUTION** Using hard water or bad quality water may cause the water supply valve to operate abnormally.

Drain facility

The recommended height of the standpipe is 18 in/46 cm. The drain hose must be routed through the drain hose clip to the standpipe. The standpipe must be large enough to accept the outside diameter of the drain hose. The drain hose is attached at the factory.

installing your washer _**17**

installing your washer

Flooring

For best performance, your Washer must be installed on a solidly constructed floor. Wood floors may need to be reinforced to minimize vibration and/or unbalanced load situations. Carpeting and soft tile surfaces are contributing factors in vibration may cause your washer to move slightly during the spin cycle.

Never install your washer on a platform or weakly supported structure.

Location considerations

Do not install your washer in areas where water may freeze, since your washer will always maintain some water in its water valve, pump, and hose areas. This can cause damage to the pump, hoses and other components.

Alcove or closet installation

MINIMUM CLEARANCES FOR CLOSET AND ALCOVE INSTALLATIONS:

Sides – 1 in / 25 mm   Top – 17 in / 432 mm

Rear – 5.9 in / 150 mm   Closet Front – 2 in / 51 mm

If the washer and dryer are installed together, the closet front must have at least a 72 in² (465 cm²) unobstructed air opening. Your washer alone does not require a specific air opening.
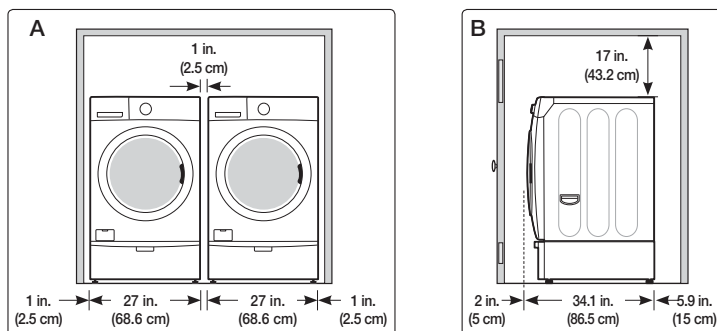
A. Recessed area

B. Side view - closet or confined area

Undercounter installation(washer only)
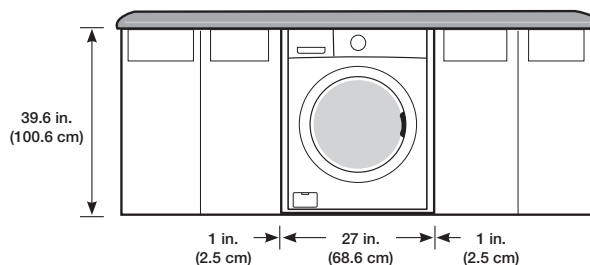
With optional pedestal base or stacking kit

Required Dimensions for Installation With Pedestal

51.2 in. (130 cm) to clear open door

39.0 in. (99 cm)

53.6 in. (136.2 cm)

34.1 in. (86.5 cm)

5.9 in. (15 cm)

27 in. (68.6 cm)

5 in. (12.7 cm)

3 in. (7.6 cm)

48 in.² * (310 cm²)

24 in.² * (155 cm²)

3 in. (7.6 cm)

Closet or Door

1 in. (2.5 cm)

34.1 in. (86.5 cm)

5.9 in.** (15 cm)
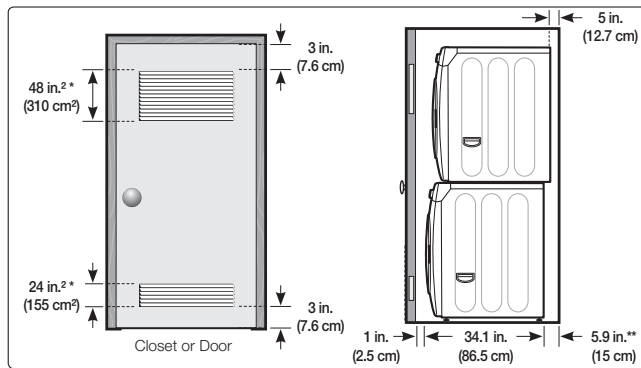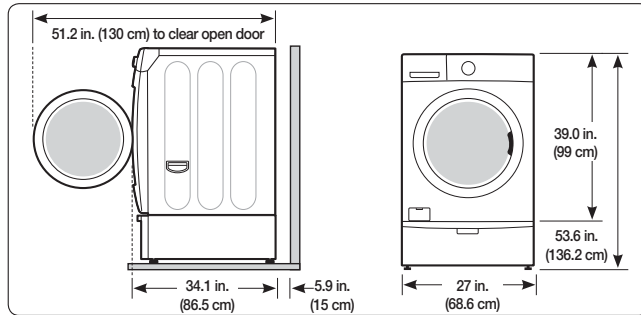
Required Dimensions for Installation With Stacking Kit

6 in. * (15.2 cm)

78 in. (198 cm)

1 in. (2.5 cm)

27 in. (68.6 cm)
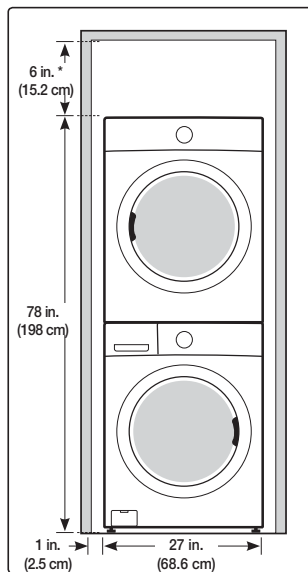
It is not recommended to stack DV457* on your washer.
(it might be hard to control dryer LCD because of the viewing angle.)

* Required spacing

** External exhaust elbow requires additional space.

installing your washer _**19**

installing your washer

IMPORTANT NOTE TO INSTALLER

Please read the following instructions carefully before installing your Washer.

These instructions should be retained for future reference.

We recommend you hire a professional for installation of this washer.

STEP 1
Selecting a Location

Before you install your washer, make sure the location:

- Has a hard, level surface without carpeting or flooring that may obstruct ventilation.
- Has no dust, oil and detergent etc.
- Is away from direct sunlight
- Has adequate ventilation
- Will not freeze (below 32°F or 0°C)
- Is away from heat sources such as oil or gas
- Has enough slack for the power cord.
- Doesn't have any carpeting that will obstruct ventilation openings.

STEP 2
Removing the Shipping Bolts

Before using your Washer, you must remove the four shipping bolts from the back of the unit.

1. Loosen all the bolts with the supplied wrench.

2. Slide the bolt and spacer up and remove the bolt with the spacer through the hole in the rear wall of your washer. Repeat for each bolt.

3. Fill the holes with the supplied Bolt Hole Covers (See page 16).

4. Keep the shipping bolts and spacers for future use.
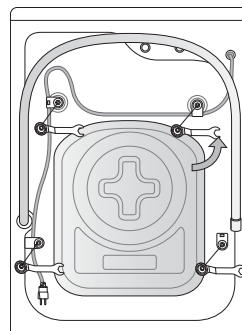
STEP 3
Installing your Washer

1. Place the drain hose in the drain facility. Be sure an airtight connection is NOT made between the drain hose and the standpipe. The standpipe must be at least 18 in or 46 cm high.

Caution must always be exercised to avoid collapsing or damaging the drain hose. For best results, the drain hose should not be restricted in any way – by elbows, couplings, or excessive lengths. For situations where the drain hose cannot be conveniently elevated to at least 18 in or 46 cm, the drain hose must be supported.

Laundry tub

Stand pipe

Hose retainer

96" Max 18" Min

96" Max 18" Min

Tie strap
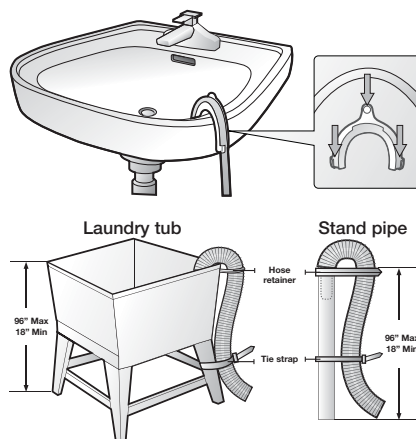
2. Check the inlet hose to ensure a washer is inside each fill hose.
   Thread the inlet hoses to the HOT and COLD faucet connections.
   On the other end of the hose, check for one rubber washer per hose and install each fill hose to the water valve. Make sure the hose with the Hot printed line is attached to the HOT faucet. Tighten by hand until snug, then two-thirds of a turn with pliers.

3. Connect the other end of the Hot and Cold water supply hose to the inlet water valve at the rear of the washing machine.Tighten by hand until snug, then two-thirds of a turn with pliers.

   For correct water use, connect both HOT and COLD water valves. If either or both are not connected, an "nF" (no fill) error can occur.

4. Turn on the "HOT" and "COLD "water supply and check all connections at the water valve and the **faucet for leaks**.

Cold   Hot

Rubber Washer

Cold printed   Hot printed
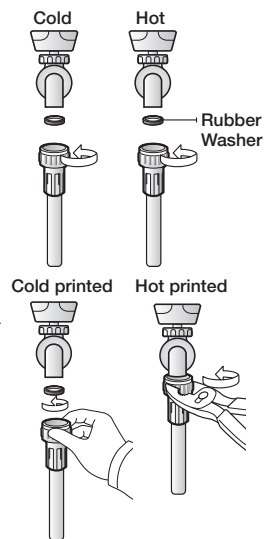
5. Plug the power cord into a 3-Prong, well grounded 120 volt 60 Hz approved electrical outlet protected by a 15-amp fuse or comparable circuit breaker.
   Your washer is grounded through the third prong of the power cord when plugged into a three-prong grounded receptacle.

6. Slide your washer into position.

7. Level your washer by turning the leveling legs in or out as necessary by hand or by using the wrench included with your washer.
   When your washer is level, tighten the locking nuts using the wrench or (-) flathead screwdriver.
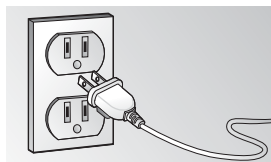
   Your Washer must be leveled on all four sides. A carpenter's level should be used on all four corners of your Washer. It's a good idea after the first dozen washes to recheck your washer's levelness.
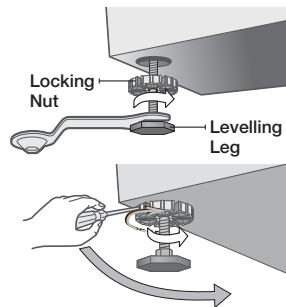
   Avoid damage to the legs. Do not move the Washer unless the Locking-nuts are fastened to the bottom of the Washer.

Locking Nut

Levelling Leg

installing your washer

STEP 4

Calibration mode

✎ Before using Calibration mode, be sure to take out all items from the drum.

Your Samsung washer automatically detects the weight of the laundry.

For more accurate weight detection, please run Calibration Mode after the installation.

Calibration mode is performed by following the steps below.

1. Turn on the washer.
2. Press the **Temp** button and **Delay Start** button simultaneously at least 3 seconds.
3. Remove any contents in the tub and close the door.
4. Press the **Start/Pause** button to run Calibration Mode.
5. The drum rotates clockwise and counterclockwise approximately for for approximately 3 minutes.
6. When Calibration Mode is finished, the "En/End" appears on the display and the washing machine turns off automatically. The washing machine is now ready for use.

operating instructions

LOADING YOUR WASHER

- You can fill the tub with dry, unfolded clothes; but DO NOT OVERLOAD the tub.
- Overloading may reduce washing efficiency, cause excess wear, and possibly cause creasing or wrinkling of the load.
- Wash delicate items such as bras, hosiery, and other lingerie in the Delicates cycle with similar lightweight items.
- When washing big bulky items or a few smaller items that don't fill the tub completely – a rug, a pillow, stuffed toys, or one or two sweaters, for example – add a few towels to improve tumbling and spin performance.

  During the spin cycle, the washer may add additional water to redistribute the excessive imbalance inside the drum.

- When washing heavily soiled loads, do not overload your Washer in order to assure good cleaning results.
- To add a forgotten item:
  1. Press the Start/Pause Button.
  2. Wait for the Door Lock light to go out (5 seconds)
  3. Add the item, close the door, and press the Start/Pause Button.
     After a 10-second pause, the cycle will resume.

GETTING STARTED

1. Load your Washer.
2. Close the door.

   Push the laundry into the drum completely to prevent the laundry from being caught in the door or from falling out of the drum.
   CAUTION

3. Add detergent and additives to the dispenser (see page 42).
4. Select the appropriate cycle and options for the load (see page 24).
5. Press the **Start/Pause** Button.

   The drum automatically rotates and measures the weight of the laundry without supplying water in order to adjust the wash time. (The rotating display on the display panel indicates that the weight of the laundry is being measured.)

6. The Wash Indicator light will illuminate.
7. The estimated cycle time will appear in the display.
   The time may fluctuate to better indicate the time remaining in the cycle.

   The actual time required for a cycle may differ from the estimated time in the display depending on the water pressure, water temperature, detergent, and laundry.

8. Before your washer starts to fill, it will make a series of clicking noises to check the door lock and do a quick drain.

   - When the cycle is complete, the Door Lock light will go out and "End" will appear in the display.
   - DO NOT attempt to open the door until the Door Lock light is off. To add a forgotten item, see "Loading your Washer" section. (page 23)
   - When your Washer is restarted after a pause, expect a delay of up to 15 seconds before the cycle continues.
   - Pressing the Power button cancels the cycle and stops your washer.
   - The Pre Wash, Wash, Rinse and Spin indicator lights will illuminate during those portions of the cycle.

   Do not place anything on top of your washer while it is running.
   WARNING

washing a load of laundry

⚠️ **WARNING**: To reduce the risk of fire, electric shock, or injury to persons, read the IMPORTANT SAFETY INSTRUCTIONS before operating this appliance.

OVERVIEW OF THE CONTROL PANEL
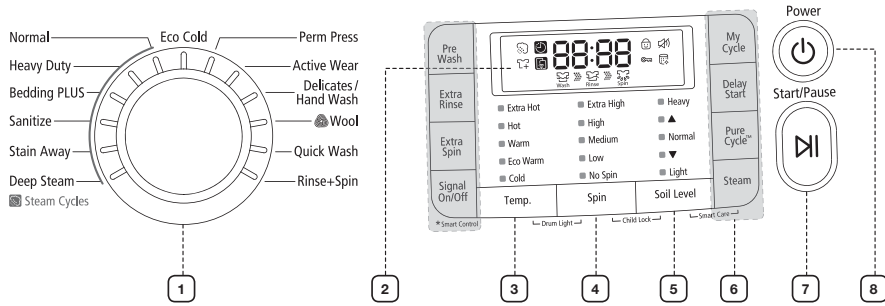
1 **Cycle Selector**	Select the appropriate cycle for the type of load. This will determine the tumble pattern and spin speed for the cycle. 📋 To minimize wrinkling of laundry, select the Perm Press cycle. **Normal** - For most fabrics including cottons, linens, and normally soiled garments. **Heavy Duty** - For sturdy, colorfast fabrics and heavily soiled garments. **Bedding PLUS** - For bulky items such as blankets and sheets. When you are washing comforters, use liquid detergent. **Sanitize** - For heavily soiled, colorfast garments. This cycle heats the water to 150°F to eliminate bacteria. 📋 If Pause is selected during the heating portion of the Sanitize Cycle, your Washer door will remain locked for your safety. **Stain Away** - For stained clothes. Stain Away cycle provides outstanding stain removal performance, with the utmost gentle care, avoiding the need for pre-treatment of stains. For Best stain removal performance , it is recommended to use hot temperature option in this cycle, in which the wash temperature is increased using the internal heater, for overall cleaning of the different stains. **Deep Steam** - For heavily soiled, colorfast garments, this cycle provides high washing temperature and steam and is efficient in cleaning stains. **Eco Cold** - It provides useful daily care for normally and lightly soiled laundry by using only cold water, saving energy and caring fabric. It cleans as effectively as the warm wash setting on ***conventional Normal** cycle under Normal and Light Soil level options. (Cleaning performance of Eco Cold cycle may not be equal to conventional Normal cycle under heavy soil level option) For best result, it is recommended to use less than 8 pounds. * conventional Normal cycle - Normal cycle on previous and existing Samsung front loading washers released until 2009 without PowerFoam **Perm Press** - For wash-and-wear, synthetic fabrics, and lightly to normally soiled garments. **Active Wear** - Use this cycle to wash exercise wear such as sports jersey, training pants, shirts/tops and other performance clothing. This cycle provides effective soil removal with gentle action for special fabric care.

		Delicates/Hand Wash - For sheer fabrics, bras, lingerie silk, and other handwash-only fabrics. For best results, use liquid detergent.

Delicates/Hand Wash - For sheer fabrics, bras, lingerie silk, and other handwash-only fabrics. For best results, use liquid detergent.

Wool - For machine-washable wool. Loads should be under 8 pounds. For best results, we recommend a load of 4.4 pounds or less.
- The Wool cycle washes laundry by moving the wash drum horizontally to maintain the characteristics of the wool fibers and to prevent damage to the cloth. It then stops for a while to allow the laundry to soak in the water. This pause in the operation of the Wool cycle is normal.
- We recommend you use a neutral detergent to prevent damage to the cloth and to improve the washing results.

WOOLMARK APPAREL CARE 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, M1207.

Quick Wash - For lightly soiled garments needed quickly.

Rinse + Spin - Use for loads that need rinsing only or to add rinse-added fabric softener to a load.

2	**Digital Display**	The large Digital Display is easy to use. It provides instructions and diagnostics while keeping you updated on the cycle status and time remaining.
3	**Temperature selection button**	Press the button repeatedly to cycle through the different water temperature options. **Extra Hot** - Heavily soiled, colorfast items. Only available with the Sanitize cycle. **Hot** - Whites and heavily soiled, colorfast items. **Warm** - Colorfast items. When warm rinse is selected, only the final rinse will be warm. The other rinses will be cold to conserve energy. **Eco Warm** - Moderately soiled, colorfast items; most wrinkle-free items. **Cold** - Brightly colored, very lightly soiled items.
4	**Spin selection button**	Press the button repeatedly to cycle through the different spin speed options. **Extra High** - Removes more water from loads during spin. To minimize wrinkling of wrinkle-free and no-iron fabrics, DO NOT use the Extra High spin option for these loads, nor overload your Washer. **High** - Use for underwear, t-shirts, jeans and sturdy cottons. **Medium** - Use for jeans, wrinkle-free or wash-and-wear items and synthetics. **Low** - Use for delicate items needing a slow spin speed. **No Spin** - Drains your Washer without spinning. Use for extremely delicate items that cannot tolerate any spin.
5	**Soil Level selection button**	Press the button to select the soil level/washing time. (Heavy → ▲ → Normal → ▼ → Light) **Heavy** - For heavily soiled loads. ▲ **Normal** - For moderately soiled loads. This setting is best for most loads. ▼ **Light** - For lightly soiled loads.

washing a load of laundry _25

washing a load of laundry

6	**Select Cycle Option**	Press these buttons to select different cycle options. **Pre Wash** - To use this feature, add detergent to the pre wash section of the detergent compartment. When turned on, the washer fills with cold water and detergent, tumbles, then drains and advances to the selected wash cycle. Some cycles cannot be selected with with this option. ✎ You cannot select the prewash option in the Wool, Quick Wash, Delicates/Handwash and Rinse+Spin cycles. **Extra Rinse** - Add an additional rinse at the end of the cycle to more thoroughly remove laundry additives and perfumes. **Extra Spin** - Add additional time to remove more water from loads. **Signal On/Off** - When you activate Signal off function, the "Signal off [⊄]" lamp illuminate. **My Cycle** - Choose your favorite cycle including temperature, spin, soil level, option, etc. **Delay Start** - Any cycle can be delayed for up to 24 hours in one-hour increments. Displayed hour indicates the time at which the wash will be started. **Pure Cycle™** - Use to clean dirt and bacteria from the drum. Regular use (after every 40 washes) is recommended. No detergent or bleach is needed (see page 48). **Steam** - Press this button to use the Steam Wash function. Steam Wash is available with Heavy Duty, Normal, Perm Press, Sanitize, Bedding PLUS cycles. For heavily soiled, colorfast garments, Steam Wash improves stain treatment and uses less water (See page 29).
7	**Start/Pause selection button**	Press to pause and restart programs.
8	**Power button**	Press once to turn your washer on, press again to turn your washer off. If the washer is left on for more than 10 minutes without any buttons being touched, the power automatically turns off.

Delay Start

You can set the washing machine to fi nish your wash automatically at a later time, choosing a delay of between 1 to 24 hours (in 1 hour increments). The hour displayed indicates the time at which the wash will be finished.

1. Manually or automatically set your washing machine according to the type of laundry you are washing.
2. Press the **Delay Start** button repeatedly until the delay time is set.
3. Press the **Start/Pause** button. The "Delay Start [☉]" indicator will be lit, and the clock will begin counting down until it reaches the set time.
4. To cancel a Delay End function, press the **Power** button and then turn the washing machine on again.

Child Lock

This function prevents children from playing with your washer.

⚠️ **CAUTION** Although the Child Lock function is activated, you must keep an eye on children so that they do not operate your washer.

Activating the Child Lock function

Press and hold both the **Spin** and **Soil Level** buttons simultaneously for approximately 3 seconds.

- When you activate the Child Lock function, the door locks and the "Child Lock [🔒]" lamp illuminates.
- If you press the **Start/Pause** button after you have activated the Child Lock function , none of the buttons will work except for the **Power** button.
- If you press a button when the buttons are locked, the "Child Lock [🔒]" lamp blinks.

Pausing the Child Lock function

When the door is locked or the buttons are locked by the Child Lock function, you can pause the Child Lock operation for 1 minute by pressing and holding both the **Spin** and **Soil Level** buttons simultaneously for approximately 3 seconds.

- If you pause the Child Lock mode temporarily, the door lock is released for 1 minute for user convenience. During this period, the "Child Lock [🔒]" lamp blinks.
- If you open the door after the minute is over, an alarm sounds for up to 2 minutes.
- If you close the door within the 2 minutes, the door is locked and the Child Lock function is reactivated. If you close the door after the 2 minutes, the door is not locked automatically and no alarm sounds.

Deactivating the Child Lock function

Press and hold both the **Spin** and **Soil Level** buttons simultaneously for approximately 6 seconds.

- When you deactivate the Child Lock function, the door is unlocked and the "Child Lock [🔒]" is turned off.

⚠️ **WARNING**
- The Child Lock function prevents children or the infirm from accidently operating the washer and injuring themselves.
- If a child enters the washing machine, the child may become trapped and suffocate.

⚠️ **CAUTION**
- Once you have activated the Child Lock function, it continues working even if the power is turned off.
- Opening the door by force can result in injury due to damage to the product.

📝 To add laundry after you have activated the Child Lock function, you must first pause or deactivate the Child Lock function.

📝 If you want to open the door of the washing machine when the Child Lock function is activated:

- Pause or deactivate the Child Lock function.
- Turn the washing machine off and then on again.

washing a load of laundry _**27**

washing a load of laundry

Spin Only

If you press the **Power** button and then press and hold the **Spin** button for 2 seconds, the spin time will be displayed on the display panel.

Then, press the **Spin** button repeatedly until the required spin level is selected, and then press the **Start/Pause** button.

Before pressing the Spin Only button, you can select a cycle with the Cycle Selector. If you have selected a cycle, you can only select the corresponding spin level.

Drum Light

1. If the door is opened when the power is on, the Drum Light is automatically turned on.
2. If the door is closed when the power is on, the Drum Light is automatically turned off.
3. Press the **Temp.** and the **Spin** buttons simultaneously to turn the Drum Light on or off.
4. If 4 minutes have passed after the Drum Light is turned on, the Drum Light is automatically turned off.

Garment+

You can add or take out laundry items even after the wash has started, as long as the **"Garment+"** light is on. Pushing the **Start/Pause** button unlocks the door, unless the water is too hot or if there is too much water in your Washer. If you are able to unlock the door and wish to continue the wash cycle, close the door and press the **Start/Pause** button.

My cycle

Allows you to activate your custom wash (temperature, spin, soil level, etc.) with one–button convenience.

By pushing the **My Cycle** button, you activate the settings used during the **My Cycle** mode. The **"My Cycle"** light will indicate activation.

You can select all options as follows in **"My Cycle"** mode.

1. Select cycle using the **Cycle Selector** dial.
2. After cycle selection, set each option.

See page 56 for available option settings with each cycle.

3. Then, you can start **"My Cycle"** by pushing the **Start/Pause** button in **"My Cycle"** mode. The cycle and options you select will be displayed the next time you choose **"My Cycle"**.

You can change the **"My Cycle"** settings by repeating the same process above. The last used setting will be displayed the next time you choose **"My Cycle"**.

Steam

The Steam Wash function injects steam directly into the laundry in the wash tub to increase the wash temperature and enhance the soak effect, thus improving the wash performance.

1. Load the washer.
2. Press the **Power** button.
3. Turn the **Cycle Selector** and select a steam cycle. (The **Deep Steam** cycle automatically selects the Steam Wash function.)
4. Press the **Steam** button.
5. Add detergent into the dispenser tray for a wash, and add fabric softener up to the marked line.
6. Press the **Start/Pause** button.
   : The washer automatically selects the optimal wash conditions by sensing the weight of the laundry.

   Steam may not necessarily be visible during the steam cycles.
   Steam may not be present during entire steam wash cycle.

Smart Care

This function enables you to check the status of the washing machine using a smartphone.

1. To enable the Smart Care function, press and hold the **Soil Level** and **Steam** button for 3 seconds within 10 seconds after turning the power on by pressing the **Power** button.
2. If the Smart Care function is activated, the led on window display rotates for 2 or 3 seconds and then the Smart Care indicator is lit on the display.
3. Run the **Smart Care app** on your smart phone.
4. The Smart Care function is optimized with Galaxy S, Galaxy S2, iPhone 4 and iPhone 4S.
5. Focus your smart phone's camera on the display panel of the washing machine.
6. If the smart phone's camera is focused on the display panel of the washing machine, the result is automatically recognized and the error type and countermeasures are displayed on the smart phone.
7. If an error occurs more than twice, please manually enter the error code displayed on the display panel of the washing machine into the Smart Care app.
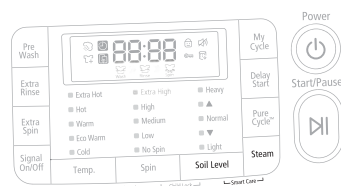
   Downloading the Smart Care app

   • Download the Samsung Smart Washer/Dryer App into your mobile phone from the Android market or Apple App store. (Search word : Samsung Smart Washer/Dryer)

   Precautions when using Smart Care

   • If a lighting device (e.g. fluorescent or lamp) is reflected on the display panel of the washing machine, the result on the display panel may not be recognized easily.
   • If an error occurs more than twice, please manually enter the error code displayed on the display panel of the washing machine into the Smart Care app.
   • If the angle of the smartphone camera and the display panel of the washing machine is incorrect, the error may not be recognized properly.
   Please try to hold the smart phone at an angle to the display panel as shown by the figure.

washing a load of laundry

Washing clothes using the cycle selector

Your new washing machine makes washing clothes easy, using Samsung's "Fuzzy Control" automatic control system. When you select a wash program, the machine will set the correct temperature, washing time, and washing speed.

1. Press the **Power** button.
2. Open the door.
3. Load the articles of clothing one at a time loosely into the drum, without overfilling it.
4. Close the door.
5. Add detergent, softener, and pre-wash detergent (if necessary) into the appropriate compartments.

   📝 Pre-wash is only available when selecting the Normal, Perm Press, Sanitize, Bedding Plus, Deep Steam and Heavy Duty cycles. It is only necessary if your clothing is heavily soiled.

6. Use the Cycle Selector to select the appropriate cycle according to the type of material: Normal, Heavy Duty, Perm Press, Sanitize, Bedding Plus, Deep Steam, Eco Cold, Stain Away, Active Wear, Delicates/Hand Wash, Wool, Quick Wash, Rinse + Spin and Spin Only. The relevant indicators will illuminate on the control panel.
7. At this time, you can control the wash temperature, the number of rinse cycles, the spinning speed, and the delay time by pressing the appropriate option button.
8. Press the Start/Pause button on the Cycle Selector and the wash will begin. The process indicator will light up and the remaining time for the cycle will appear in the display.

Pause Option

1. Within 5 minutes of starting a wash, it is possible to add/remove laundry items to/from the wash.
2. Press the Start/Pause button to unlock the door.
3. The door cannot be opened when the water is too HOT or the water level is too HIGH.
4. After closing the door, press the Start/Pause button to restart the wash.

When the cycle is finished:

After the total cycle has finished, the power will turn off automatically.

1. Open the door.
2. Remove laundry.

SETTING THE SMART CONTROL

Connect a wired/wireless sharer and the washer through a wireless connection, connect to www.samsungsmartappliance.com and register the washer to the Smart Control service.

This product does not contain a wireless router.

Configuring the wired/wireless sharer

- This product supports DHCP (Dynamic Host Configuration Protocol). Therefore, if a user wants to use an existing wired/wireless sharer, the sharer's DHCP server function must be enabled.
- Set the channel for the connection with the wired/wireless sharer to a channel that is not being used.
- The WEP, TKIP or TKIP AES encryption types are supported for wired/wireless sharers and other new Wi-Fi encryption types are not supported.
- The quality of the wireless network may be affected by the surrounding environment.
- If your Internet service provider has registered and fixed the MAC address (unique identification number of a device) of the user's PC or modem, you may not be able to connect the washer to the Internet. Please ask your Internet service provider about the procedures to connect a device (e.g. washer) other than a computer to the Internet. If your Internet service provider requires an ID and password to connect to the Internet, you may not be able to connect the washer to the Internet. In this case, you have to enter the ID and password to connect to the Internet.

  You may not be able to connect to the Internet due to a firewall. In this case, ask your Internet service provider for assistance.If you cannot connect the washer to the Internet even after contacting your Internet service provider, please contact a Samsung Electronics dealer or service center.

Check before installation

- For the procedures to install a normal wired/wireless sharer, refer to the user manual of the corresponding wired/wireless sharer.
- Samsung washers only support Wi-Fi 2.4Ghz.
- Samsung washers support IEEE 802.11 b/g/n and Wi-Fi Direct (IEEE802.11n is recommended).
- If the wired/wireless sharer is not Wi-Fi certified, it cannot be connected with the washer.

WF455AG-03159A_EN.indd   Sec5:31

2012-04-13   11:59:23
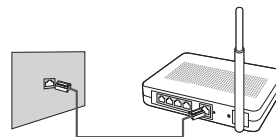
washing a load of laundry

Connecting to the network using the WPS setting

📝 • Samsung washers use PBC as the WPS type. Check if the current wired/wireless sharer
    supports Wi-Fi Protected Setup™(WPS).
    • Check if the wired/wireless share has a WPS button.

1. Press and hold both the **Temp.** and **Start/Pause** buttons
   for 5 seconds.
2. Turn the **Cycle Selector** until "UP" is displayed on the
   display panel and press the **Start/Pause** button.

   📝 If the connection is not established within 5 minutes,
       "FUP" is displayed on the display panel.
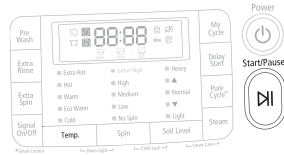
3. Press and hold the **WPS** button of the wired/wireless
   sharer that will be connected with the washer for 120
   seconds or less to run the WPS function of the wired/
   wireless sharer. If the WPS function runs, the wired/wireless
   sharer automatically fetches the necessary information from
   the washer and the washer is automatically connected to
   the Internet through the wired/wireless sharer.
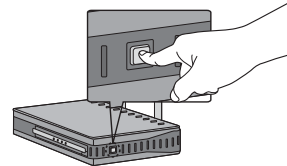
   📝 • How to use the WPS function of the wired/wireless sharer may differ depending
       on the manufacturer. Refer to the user manual of the corresponding wired/wireless
       sharer.
       • Even after the WPS setup is complete, it may take some time until the actual
       connection is established to allocate an IP address through DHCP (up to 5 minutes).

   ⚠️ • Note that if you use a wired/wireless sharer that is not WPS-certified, the washer
   CAUTION may not be connected through Wi-Fi or a device that was connected to the wired/
       wireless sharer may be disconnected.
       • Please note that for some wired/wireless sharers, if you press and hold the WPS
       button for some time, the settings of the sharer may be reset.

4. If the washer and the wired/wireless sharer are properly
   connected, the 🏠 indicator blinks on the display panel for
   30 seconds.
5. Press the **Smart Control** button to finish the Smart
   Control connection setup. When the setup is completed
   normally, the 🏠 indicator blinks on the display panel with a
   beeping sound.
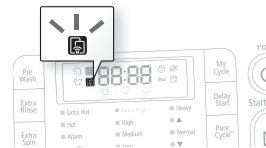
   📝 If you press the **Smart Control** button when the washer and the wired/wireless sharer
       are not properly connected, the invalid button sound is heard and the Smart Control
       connection setup is not completed.

Connecting to the network using the AP setting

1. Press and hold the **Temp.** and **Start/Pause** buttons for 5 seconds.

2. The AP menu appears on the LED screen.

3. If the **Start/Pause** button is pressed after approximately 1 minute, the AP blinks.

   If the "AP" display does not blink.
   Since the Wi-Fi module is not ready, try again after a moment.
   (Approximately 1 minute is needed for the Wi-Fi module to get ready.)

4. Check if the SMARTWASHER is displayed in the list displayed in the mobile Wi-Fi setup screen. If it is in the list, perform step 5.

5. Launch the app, enter **Connection setup** and press the **Setting Start** button.

6. The app attempts to connect to the washing machine that has changed to AP mode.

7. When the connection is established, the AP list is displayed.

8. Select the AP and enter the password.

9. When the setting is completed.

   When the setting is successfully completed, "oAP" is displayed on the LED.
   When the setting is unsuccessfully completed, "FAP" is displayed on the LED.

washing a load of laundry

DOWNLOADING AND RUNNING THE MOBILE APP, SAMSUNG SMART WASHER/DRYER APP

Follow the procedure below to download and run the mobile app, **Samsung Smart Washer/Dryer App**.

1. Download the **Samsung Smart Washer/Dryer App** into your mobile phone from the Android market. You can skip this step if the app has been already downloaded into your mobile phone.

2. Tap the **Samsung Smart Washer/Dryer App** icon on your mobile phone to run the app.
   The initial screen is displayed.
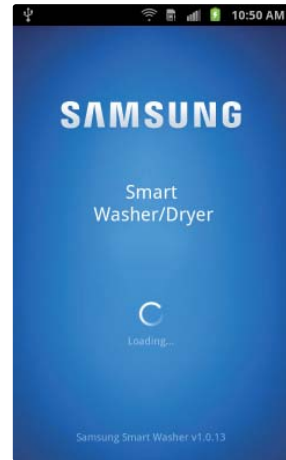
3. The Home screen is displayed. It shows that your mobile phone is not yet connected to your washer.

4. Tap the **Indoor control** or **Outdoor control**.

5. Tap your washer's name.
6. The progress screen is displayed while the **Samsung Smart Washer/Dryer App** tries to connect to your washer.

📝 Connecting may take a minute or two.

7. When the connection is established, the screen shown at right appears.

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washing a load of laundry

USING THE MOBILE APP

After you washer has been connected, you can perform the following operations using the Samsung Smart Washer/Dryer App.

• Disconnect the connection
• Start a new wash (including receiving notifications and controlling your washer)

Disconnecting the connection

Follow the procedure below to disconnect the connection to your washer.

1. Tab the **Disconnect** button.

Starting a new wash

Follow the procedure below to start a new wash from your mobile app.

1. Tap the **Start new wash** button.
The **Choose cycle** screen is displayed.

> 📝 In your washer, you must tap the **Smart Control** button in the **Cycle Selection** screen to turn on the Smart Control function.

2. Select the cycle you want, and then top the **Start** button.

36_ washing a load of laundry
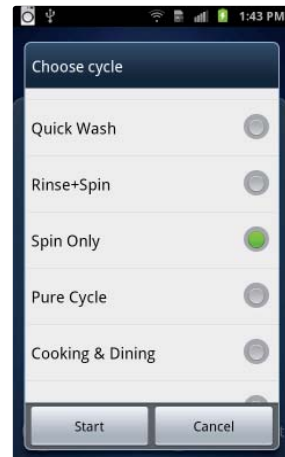
3. The cycle status including cycle progress and estimated finish time are shown on the screen.
Tap the **Pause** button to pause the cycle.

4. When the cycle is completed, the message "Cycle complete" and a summary review of all the phases are shown.

5. Tap the **Dismiss** button to return to the **Home** screen.

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washing a load of laundry

Registering your washer

1. Access **Samsung Smart appliance** website. (http://www.samsungsmartappliance.com)

2. Enter the User ID and Password to log in.

   If you don't have an account, press "**Create a Samsung account**" and fill in the form to become a member.

3. Select "**My page**" → "**My page**".

4. Select "**Add device**".

5. After entering the MAC written from following instruction.

    1) Press and hold both the **Temp.**, and **Start/Pause** buttons for 3 seconds.

    2) Turn the Cycle Selector until "Ad" is displayed on the display panel and press the **Start/Pause** button.

    3) Find out 12 Hexadecimal Address, pressing **Start/Pause** buttons for 2 digit & text.

6. Click the "**Certify device**".

7. Press and hold both the **Temp.**, and **Start/Pause** buttons for 3 seconds.

8. Turn the Cycle Selector until **PS** is displayed on the display panel and press the **Start/Pause** button.

9. When certify device checking window comes on, click the "**Ok**".

    • If the washer you are registering is already registered by other users, a window will come on asking whether you want to delete the usage authority of the existing users, or not.

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10. After the registration of the washer is completed, you can check the registered washer on the device information list.

washing a load of laundry _**39**

washing a load of laundry

QUICK GUIDE FOR WI-FI SETTING AND AP CONNECTING

In your washer

In your Mobile App.

Start/Pause

Temp. +

Start/Pause

Press and hold both the **Temp.** and **Start/Pause** buttons for 3 seconds.

Turn the **Cycle Selector** until AP is displayed on the display panel and press the **Start/Pause** button.

If SMART WASHER is listed in the Wi-Fi settings screen on the mobile phone, run the mobile app, select **Connection setup** and press the **Setting Start** button.

This process delivers the connection information of the AP that is connected with the mobile from the mobile to the product.
If this process is successfully completed, the product is automatically connected to the AP. When the setting is successfully completed, the oAP is displayed on the LED.

Success

Failure

If the wrong password is entered when you configure the AP mode, the Wi-Fi connection will not work properly even if the product is connected with the oAP. Check the password and enter the password correctly.

QUICK GUIDE FOR DEVICE CERTIFICATION

In your washer

In your Mobile App.

Start/Pause

Start/Pause

Temp. +

Press and hold both the **Temp.** and **Start/Pause** buttons for 3 seconds.

Turn the **Cycle Selector** until PS is displayed on the display panel and press the **Start/Pause** button after tap "Confirm" on the app.

WF455AR(90A4DEE8CBDC)

Request authentication
Press the Confirm button to proceed with authentication.

Confirm

Search

Connect through the app so that the app authentication ready screen is displayed.

you can connect through the App when only the PS mode is terminated

WF455AR(90A4DEE8CBDC)

Preparing certification.

Search

Failure

Follow the description in the figure below.

Success

WF455AR(90A4DEE8CBDC)

Authentication
Please turn on the washer authentication mode.
You should press Temp+Start key combination(LED) or turn on Smart Control function(LCD).
(The waiting time will remain 19 seconds)

Search

Washer   Dryer   Smart Care

Washer is on
Connected to Samsung Washer via WiFi.

Start New Wash   Disconnect

WF455AR(90A4DEE8CBDC)

User authentication failure
Certification failed
Please retry.

Confirm

Search

Failure

WF455AR(90A4DEE8CBDC)

User authentication failure
Certification failed
Please retry.

Confirm

Search

📝 If the app has not yet connected to the product, authentication is required.

📝 For the Wi-Fi module, it takes approximately 1 minute to boot up and get ready. Therefore,until the Wi-Fi module is ready, the Smart Control setting is not configured.

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washing a load of laundry

DETERGENT USE

Your Washer is designed to use high efficiency (HE) detergents.

• For best cleaning results, use a high efficiency detergents such as Tide HE, Wisk HE, Cheer HE or Gain HE*. High efficiency detergents contain suds suppressors that reduce or eliminate suds. When fewer suds are produced, the load tumbles more efficiently and cleaning is maximized.

⚠ **WARNING** Regular detergent is not recommended. Please use HE detergents only.

✐ Reducing the amount of detergent may reduce the quality of cleaning. It is important to pre–treat stains, sort carefully by color and soil level, and avoid overloading.
    * Brand names are trademarks of their respective manufacturers.

FEATURES

Automatic dispenser

Your Washer has separate compartments for dispensing detergent and color-safe bleach, chlorine bleach, and fabric softener. Add all laundry additives to their respective compartments before starting your Washer.

The automatic dispenser MUST ALWAYS be in place before starting your Washer.

DO NOT open the automatic dispenser when your washer is running.

To use:

• Never exceed the manufacturer's recommendations when adding detergent.
• This compartment holds liquid detergent for the main wash cycle, which is added to the load at the beginning of the cycle.

✐ When using powdered detergent, remove the liquid detergent compartment from the detergent drawer. The washer will not dispense powdered detergent from the liquid detergent compartment.

Liquid detergent compartment
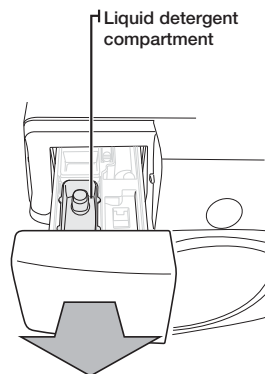
Detergent compartment

1. Pour the recommended amount of laundry detergent directly into the detergent compartment before starting your Washer.
2. If you are using color-safe bleach, add it with the detergent to the detergent compartment.

✐ When adding color-safe bleach with detergent, it is best if both laundry products are in the same form – granular or liquid.

Pre wash compartment

When using the Pre Wash option, detergent should be added to both the Pre Wash compartment and the detergent compartment. The detergent will automatically be dispensed during Pre Wash.

- If high efficiency (HE) detergent is used, add 1/3 of the recommended amount to the Pre Wash compartment and 2/3 of the recommended amount to the detergent compartment.

Bleach compartment

(Liquid chlorine bleach only)

1. Add chlorine bleach to the bleach compartment.
   DO NOT exceed the MAX FILL line.
2. Avoid splashing or over–filling the compartment.
3. Your Washer automatically dispenses bleach into the tub at the appropriate time.
4. The dispenser automatically dilutes liquid chlorine bleach before it reaches the wash load.

Fabric Softener compartment
Bleach compartment

- Never pour undiluted liquid chlorine bleach directly onto the load or into the tub. It is a powerful chemical and can cause fabric damage, such as weakening of the fibers or color loss, if not used properly.

- If you prefer to use color–safe, non–chlorine bleach, add it to the appropriate detergent compartment. DO NOT pour color–safe bleach into the Bleach compartment.

- Oxi-type boosters or color-safe bleach can be added to the drum prior to adding laundry.

- Put the laundry into the drum only after confirming that the oxi-type boosters or color-safe bleach has completely entered the hole of the drum.

- However, to use powdered detergent and powder oxi-type boosters or powdered color-safe bleach at the same time, it is more effective putting them in together and removing the liquid detergent holder from the detergent compartment.
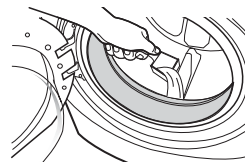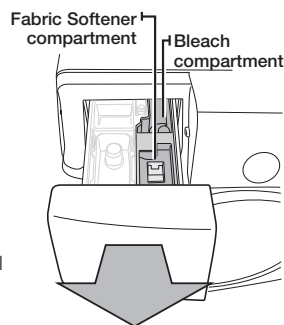
Fabric softener compartment

1. Pour the recommended amount of liquid fabric softener into the softener compartment. For smaller loads, use less than one capful.
2. Dilute the fabric softener with water until it reaches MAX FILL in the compartment.
3. The dispenser automatically releases liquid fabric softener at the proper time during the rinse cycle.

- Use the softener compartment ONLY for liquid fabric softeners.
- DO NOT use the Downy Ball* in the fabric softener compartment with this Washer. It will not add fabric softener at the appropriate time.
  Use the detergent Compartment.
- It is not recommended using liquid fabric softener that is too sticky as it may not mix with the water sufficiently.
- * Brand names are trademarks of their respective manufacturers.

washing a load of laundry _**43**

maintaining your washer

CLEANING THE EXTERIOR

Turn off the water faucets after finishing the day's washing.

This will shut off the water supply to your Washer and prevent the unlikely possibility of damage from escaping water. Leave the door open to allow the inside of your Washer to dry out.

Use a soft cloth to wipe up all detergent, bleach or other spills as they occur.

Clean the following as recommended:

Control Panel – Clean with a soft, damp cloth. Do not use abrasive powders or cleaning pads. Do not spray cleaners directly on the panel.

Cabinet – Clean with soap and water.

CLEANING THE INTERIOR

Clean the interior of your Washer periodically to remove any dirt, soil, odor, mold, mildew, or bacterial residue that may remain in your Washer as a result of washing clothes.

Failure to follow these instructions may result in unpleasant conditions, including odors and/or permanent stains on your Washer or laundry.

Hard water deposits may be removed, if needed. Use a cleaner labeled "Washer safe".

CLEANING THE DISPENSERS

The automatic dispenser may need to be cleaned periodically due to laundry additive buildup.

1. Pull the detergent liquid holder out of the detergent compartment.
2. Remove the siphon cap from the fabric softener and bleach compartments.
3. Wash all of the parts under running water.
4. Clean the dispenser recess with a soft brush.
5. Reinsert the siphon cap and push it firmly into place.
6. Push the dispenser back into place.
7. Run a Rinse+Spin c ycle without any load in your washer.
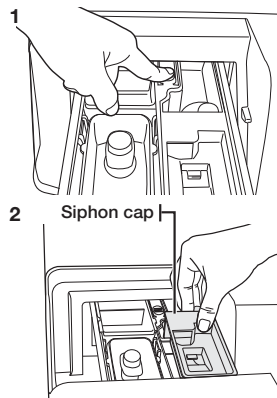
STORING YOUR WASHER

Washers can be damaged if water is not removed from hoses and internal components before storage. Prepare your Washer for storage as follows:

- Select the Quick Wash cycle and add bleach to the automatic dispenser. Run your Washer through the cycle without a load.
- Turn the water faucets off and disconnect the inlet hoses.
- Unplug your Washer from the electrical outlet and leave your Washer door open to let air circulate inside the tumbler.
- If your Washer has been stored in below–freezing temperatures, allow time for any leftover water in your Washer to thaw out before use.

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maintaining your washer

CLEANING THE DEBRIS FILTER

We recommend cleaning the debris filter when water does not drain well or the "nd" error message is displayed.

1. Open the filter cover by pressing and pulling the handle of the filter cover with your finger.

   Filter cover
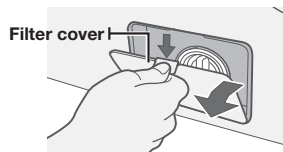
2. Holding the drain cap, pull the drain tube that is hooked on the guide hook to the front.Do not pull the drain tube with excessive force.

   Step 1   Step 2
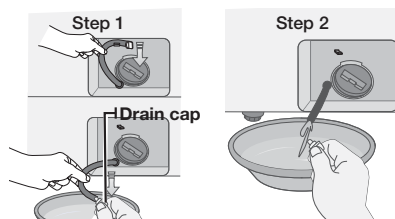
   Drain cap

3. Place a bowl under the washing machine to catch any remaining water. Then, hold the drain tube with one hand, and turn the emergency drain cap counter clockwise with the other hand to separate it from the drain tube.

4. Drain the remaining water completely.

5. Pull out the debris cap and debris filter assembly.
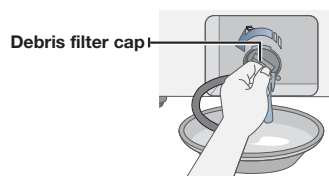
   Debris filter cap

6. Wash any dirt or other material from the debris filter. Make sure the drain pump propeller behind the debris filter is not blocked.

   Debris filter cap   Debris filter
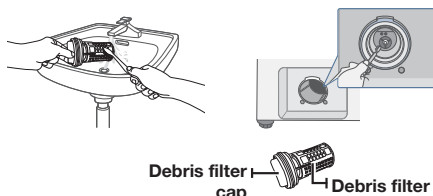
7. When you have finished cleaning the filter, insert the debris cap and filter assembly back into the washer. Turn the debris filter cap clockwise until the indicator on the debris filter cap is in the 12 o'clock position, pointing to the indicator on the washer.
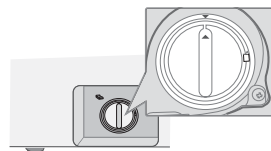
8. Re-attach the emergency drain cap to the drain tube, and then hook the tube to the hook guide.

9. Re-install the filter cover the filter cover.

CLEANING THE DOOR SEAL/BELLOW

1. Open the washer door and remove any clothing or items from the washer.

2. Inspect the gray colored seal/bellow between the door opening and the basket for stained areas. Pull back the seal/bellow to inspect all areas under the seal/bellow and to check for foreign objects.
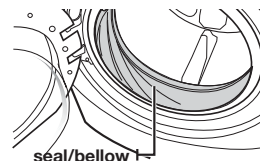
seal/bellow

3. If stained areas are found, wipe down these areas of the seal/bellow, using the procedure that follows.

    a) Mix a dilute solution, using ¾ cup (177 mL) of liquid chlorine bleach, and 1 gal. (3.8 L) of warm tap water.

    b) Wipe the seal/bellow area with the dilute solution, using a damp cloth.

    c) Let stand 5 minutes.

    d) Wipe down area thoroughly with a dry cloth and let the washer interior air dry with door open.

IMPORTANT:
- Wear rubber gloves when cleaning for prolonged periods.
- Refer to the bleach manufacturer's instructions for proper use.

PRESERVING THE TOP COVER AND THE FRONT FRAME

Do not place any heavy or sharp objects or a detergent box on the washing machine. Keep them on the purchased pedestal or in a separate storage box. This may scratch or damage the top cover of the washing machine.

Since the entire washing machine has a high-gloss finish, the surface can be scratched or damaged. Therefore, avoid scratching or damaging the surface when using the washing machine.

maintaining your washer

PURE CYCLE™

Pure Cycle is a self-cleaning cycle that removes mold that may occur inside the washing machine.

1. Press the **Power** button.
2. Press the **Pure Cycle™** button.
   - Once the Pure Cycle button is pressed, the only function that can be set is Delay Start.
3. Press the **Start/Pause** button.
   - If you press the Start/Pause button, Pure Cycle begins.
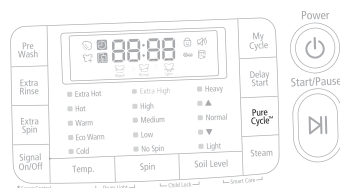
⚠ **CAUTION**
- Using Pure Cycle, you can clean the drum without using a cleansing agent.
- Never use Pure Cycle when laundry is in the washing machine. This may cause damage to the laundry or a problem with the washing machine.
- **If you want to use drum cleansing agent, use only 1/10 of the amount of the drum cleansing agent recommended by the cleansing agent manufacturer.** (When using a powder-type cleansing agent , remove the liquid detergent compartment.)

📝 The Pure Cycle Auto Indicator Function
- If the "**Pure Cycle**" button is lit after a wash, it indicates that tub (drum) cleaning is required. In this case, remove the laundry from the washing machine, turn the power on, and clean the drum by running Pure Cycle.
- If you do not run Pure Cycle, the "**Pure Cycle**" indicator turns off. However, the "**Pure Cycl**e" indicator will light again after two washes. Not running Pure Cycle at this point will not cause a problem with the washing machine.
- Although the Pure Cycle Auto Indicator appears once a month or so, the frequency may differ depending on the number of times the washing machine is used.

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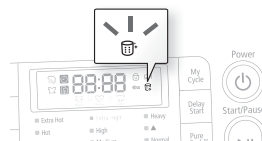
troubleshooting

CHECK THESE POINTS IF YOUR WASHER…

PROBLEM	SOLUTION
Will not start..	• Make sure the door is firmly closed. • Make sure your Washer is plugged in. • Make sure the water source faucets are open. • Make sure to press the Start/Pause Button to start your Washer. • Make sure Child Lock is not activated; see page 27. • Before your Washer starts to fill, it will make a series of clicking noises to check the door lock and do a quick drain. • Check the fuse or reset the circuit breaker
Has no water or not enough water..	• Turn both faucets on fully. • Make sure the door is tightly closed. • Straighten the water inlet hoses. • Disconnect hoses and clean screens. Hose filter screens may be clogged. • Open and close the door, then press the Start/Pause Button.
Has detergent remaining in the automatic dispenser after the wash cycle is complete.	• Make sure your Washer is running with sufficient water pressure. • Make sure the Detergent Selector dial is in the upper position when using granular detergent.
Vibrates or is too noisy.	• Make sure your Washer is set on a level surface. If the surface is not level, adjust your Washer feet to level the appliance. • Make sure that the shipping bolts are removed. • Make sure your Washer is not touching any other object. • Make sure the laundry load is balanced.
Stops	• Plug the power cord into a live electrical outlet. • Check the fuse or reset the circuit breaker. • Close the door and press the Start/Pause Button to start your Washer. For your safety, your Washer will not tumble or spin unless the door is closed. • Before your Washer starts to fill, it will make a series of clicking noises to check the door lock and do a quick drain. • There may be a pause or soak period in the cycle. Wait briefly and it may start. • Check the screens on the inlet hoses at the faucets for obstructions. Clean the screens periodically.

troubleshooting

PROBLEM	SOLUTION
Fills with the wrong temperature water.	• Turn both faucets on fully. • Make sure the temperature selection is correct. • Make sure the hoses are connected to the correct faucets. Flush water lines. • Check the water heater. It should be set to deliver a minimum 120° F (49° C) hot water at the tap. Also check the water heater capacity and recovery rate. • Disconnect the hoses and clean the screens. The hose filter screens may be plugged. • As your Washer is filling, the water temperature may change as the automatic temperature control feature checks incoming water temperature. This is normal. • While your Washer is filling, you may notice just hot and/or just cold water going through the dispenser when cold or warm wash temperatures are selected. This is a normal function of the automatic temperature control feature as your Washer determines the temperature of the water.
Door locked or will not open.	• Press the Start/Pause Button to stop your Washer. • Your Washer door will remain locked during the heating portion of the Sanitize Cycle • It may take a few moments for the door lock mechanism to disengage.
Does not drain and/or spin.	• Check the fuse or reset the circuit breaker. • Straighten the drain hoses. Eliminate kinked hoses. If there is a drain restriction, call for service. • Close the door and press the Start/Pause Button. For your safety, your Washer will not tumble or spin unless the door is closed. • Make sure the debris filter is not clogged.
Load is too wet at the end of the cycle.	• Use the High or Extra High spin speed. • Use high efficiency detergent to reduce over–sudsing. • Load is too small. Very small loads (one or two items) may become unbalanced and not spin out completely.
Leaks water.	• Make sure the door is firmly closed. • Make sure all hose connections are tight. • Make sure the end of the drain hose is correctly inserted and secured to the drainage system. • Avoid overloading. • Use high efficiency detergent to prevent over–sudsing.
Has excessive suds.	• Use high efficiency detergent to prevent over-sudsing. • Reduce the detergent amount for soft water, small or lightly soiled loads. • Non-HE detergent is NOT recommended.

INFORMATION CODES

Information codes may be displayed to help you better understand what is occurring with your washer.

05 troubleshooting

ERROR CODE	MEANING & SOLUTION
dc	An unbalanced load that prevents your washer from spinning. Redistribute the load, press the Start/Pause button.
dS	The door is open when the washer is running. Close the door tightly and restart the cycle. If the code reappears, call customer service.
FL	Your washer failed to lock the door. Close the door tightly and restart the cycle. If the code reappears, call customer service.
Hr	A water temperature control problem. (Heater control problem) Call customer service.
LE	Your washer has tried to fill, but has not reached the proper water level. Call customer service.
LO	The door will not unlock. Make sure the door is firmly closed. Press the Power button to turn off your washer, then turn it on again. If the code reappears, call customer service.
nd	Your washer is not draining. This can also mean that the unit senses a small clog while draining. **1.** Turn off the unit for 10 seconds and then turn it on again. **2.** Select the Spin Only cycle. **3.** Press the Start/Pause to drain the water. If it still does not drain, call for service.
nF	Your washer has tried to fill but was unsuccessful. Make sure the water faucets are open all the way. Check for bent hoses. Check the inlet screens on the hoses. If you are using a Flood Safety Device, please remove the device and connect the water hoses directly to the unit. Check if the hot water supply hose is connected. You must connect the hot water supply hose because hot water is supplied by the Auto Temperature Control (A.T.C.) function if the temperature of the cold water is lower than 59°F.
nF1	The hot/cold water hose connection is not correct. Please connect the hot/cold water hose connection correctly.
OE	A fault is detected in the water level sensor. Call customer service.
1E	The Water Level sensor is not working properly. Call customer service.
E2	A jammed key. Call customer service.

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troubleshooting

ERROR CODE	MEANING & SOLUTION
tE	A temperature sensor problem. Restart the cycle. If the code reappears, call customer service.
3E	A motor problem. Restart the cycle. If the code reappears, call customer service.
2E	High/Low voltage detected. Restart the cycle. If the code reappears, call customer service.
AE	A Communication error between the SUB(Sensor) PBA and the MAIN PBA Call customer service.
AE4	A Communication error between the WIFI PBA and the MAIN PBA Call customer service.
AE3	A Communication error between the DR Module and the MAIN PBA Call customer service.
AE5	A Communication error between the LCD PBA and the MAIN PBA Call customer service.
8E	A MEMS sensor problem. Call customer service.
SF1 SF2 SF3	A system error Call customer service.
SUdS	Too many suds are detected during the wash session. The unit is put on hold until the amount of suds have been reduced. The unit will then go back to operating. When it finishes washing, the "End" and "SUdS" codes will blink in turn.

For any codes not listed above, call 1–800–726–7864 (1–800–SAMSUNG)

NETWORK SETUP Q&A

QUESTION	ANSWER
The washer or dryer is not found in the smartphone app.	• Check the power status of the AP. • Check if the smartphone is connected with Wi-Fi. • Check if the Wi-Fi function of the washer or dryer is turned on. • To refresh the screen, press "Configure" again. • If the AP is installed too far away from the washer or dryer, the strength of the Wi-Fi signal may weak. In this case, move the AP closer to the washer or dryer.
The AP is not found on the washer or dryer.	• Check the power status of the AP. • Check if the Wi-Fi function of the washer or dryer is turned on. • To refresh the screen, press "Configure" again. • If the AP is installed too far away from the washer or dryer, the strength of the Wi-Fi signal may weak. In this case, move the AP closer to the washer or dryer. Ensure that the number of the displayed antenna bars are at least 3. • Since if the performance of the AP is low, it may not be found by the washer or dryer, use high performance AP if available.
There are more than one washer or dryer in the house. Do I have to install an AP for each of them?	• You can install only one AP. • I you want to one AP for each of the washer and dryer, select the corresponding AP for each of the products in the "Smart Washer" app. • When both washer and dryer are installed, they can be controlled through one AP.
Which AP is better?	• Since the washer or dryer is controlled through the AP from the inside or outside of the house, high performance AP is recommended. • Use an AP with Wi-Fi certification mark. • Since an AP with 2 or more antennas provides better performance, purchse and use the AP.
How can I check if the AP is out of order?	• Connect to the AP on a smartphone and check if you can connect to the Internet. If you can connect to the Internet, the AP is normal. • Check if the LED of the AP is blinking. If all the LEDs are turned off, it indicates that the power is turned off. • If the AP doesn't seem to be working properly, request after-sales service.
The customer does not have a PC. Can the customer can use the indoor and outdoor control feature?	• If the Internet can be accessed inside of the house, the feature is available. However, you have to sign up the web site and resgister the product.
How many users can control a washer or dryer?	• Only if the "Smart Washer" app is authenticated, multiple users can control the washer or dryer.

troubleshooting

QUESTION	ANSWER
Where are the proper place to install a washer or dryer?	• Since a washer or dryer is heavy and connected with water, it should be installed in the proper place. Installing the AP near the washer or dryer is recommended. You can check the signal strength through the setup screen of the washer or dryer or a smartphone. • Since the performance is seriously affected by a door or steel wall, install the product in an open place. If there is door in front of the installed product, open the door when using the product. • Do not place an object maden with steel or glass in front of the front LCD of the washer since it blocks the radio signal. • Note that the radio signal may be weaken or interfered and the communication with the smartphone may fail when a microwave oven is used in the house. • Install the washer or dryer so that the front of the product faces the AP if available.

How can I connect the washer or dryer with a smartphone stably?	• When the signal strenth that is displayed on the LCE of the washer or dryer is weak, the control may fail. Check the mark as follows or measure the signal strength.
	  • At least 3 antenna bars should be displayed on the LCD of the washer or dryer.
	  • At least 3 antenna bars for the Wi-Fi connection should be displayed on the smartphone.
	  • When the signal strenth is measured with a smartphone app that shows the Wi-Fi signal strength, the signal strength should be stronger than -65 dBm. (E.g. -60 dBm and -50 dBm are stronger than -65 dBm.)

What should I have to do when the number of the antenna bars that are displayed on the LCD of the washer or dryer is 1?	• When the signal strenth that is displayed on the LCE of the washer or dryer is weak, the control may fail. In this case, take the following measures for normal operation.
	  • Move the AP closer to the washer or dryer.
	  (At least 3 antenna bars should be dislayed in the network setup of the washer for proper operation.)
	  • Since old AP may provide lower performance, use new one if available.
	  • Stand the antenna of the AP if available so that the radio signal is more easily propagated.

appendix

FABRIC CARE CHART

The following symbols provide garment care direction. The Clothing care labels include symbols for washing, bleaching, drying and ironing, or dry cleaning when necessary. The use of symbols ensures consistency among garment manufacturers of domestic and imported items. Follow care label directions to maximize garment life and reduce laundering problems.

Wash Cycle		Special Instructions		Warning Symbols for Laundering	
	Normal		Line Dry/ Hang to Dry		Do Not Wash
	Permanent Press / Wrinkle Resistant / Wrinkle Control		Drip Dry		Do Not Wring
	Gentle/Delicates		Dry Flat		Do Not Bleach
	Hand Wash	**Heat Setting**			Do Not Tumble Dry
Water Temperature**			High		No Steam (added to iron)
	Hot		Medium		Do Not Iron
	Warm		Low	**Dryclean**	
	Cold		Any Heat		Dry Clean
Bleach			No Heat/Air		Do Not Dry Clean
	Any Bleach (when needed)	**Iron-Dry or Steam Temperatures**			Line Dry/ Hang to Dry
	Only Non-Chlorine (color-safe) Bleach (when needed)		High		Drip Dry
	Tumble Dry Cycle		Medium		Dry Flat
Normal			Low		For machine-washable wool. Loads should be under 8 pounds.
	Permanent Press/ Wrinkle Resistant/ Wrinkle Control				
	Gentle/ Delicates				

** The dot symbols represent appropriate wash water temperatures for various items. The temperature range for Hot is 105° - 125° F/ 41° - 52°C, for Warm 85° - 105° F/29° - 41° C and for Cold 60° - 85° F/16° - 29° C. (Wash water temperature must be a minimum of 60° F/16°C for detergent activation and effective cleaning.) The clothes Washer may not ensure these temperatures because the actual water temperatures entering your Washer are dependent on water heater settings and regional water supply temperatures. For example, cold water entering the home in the northern states during winter may be 40° F/4° C which is too cold for effective cleaning. The water temperature in this situation will need to be adjusted by selecting a warm setting, adding some hot water to the MAX FILL line or using your Washer's heating option, if available.

appendix

CYCLE CHART

Use this chart to set the best cycle and option for you laundry.

(●: Factory setting, O: Selectable, x: Not available)

Course	Functions									
	Temp.					Spin				
	Extra Hot	Hot	Warm	Eco Warm	Cold	Extra High	High	Medium	Low	No Spin
Normal	X	O	●	O	O	O	●	O	O	O
Heavyduty	X	●	O	O	O	●	O	O	O	O
Perm Press	X	X	●	O	O	X	O	O	●	O
Sanitize	●	X	X	X	X	●	O	O	O	O
Bedding Plus	X	X	●	O	O	X	X	O	●	O
Deep Steam	X	●	X	X	X	O	●	O	O	O
Rinse + Spin	X	X	X	X	●	O	●	O	O	O
Spin only	X	X	X	X	X	O	●	O	O	O
Quick Wash	X	O	●	O	O	O	●	O	O	O
Wool	X	X	●	O	O	X	X	X	●	O
Delicates/Hand wash	X	X	O	O	●	X	X	X	●	O
Stain Away	X	O	●	O	O	O	●	O	O	O
Active Wear	X	X	●	O	O	X	X	O	●	O
eco Cold	X	X	X	X	●	O	●	O	O	O
Pure Cycle	●	X	X	X	X	X	X	X	●	X

CYCLE CHART

Use this chart to set the best cycle and option for you laundry.

(●: Factory setting, O: Selectable, x: Not available)

Course	Functions					Options					
	Soil Level					Extra Rinse	Extra Spin	My Cycle	Pre Wash	Delay Start	Steam
	Extra Heavy (Heavy)	Heavy (▲)	Normal	Light (▼)	Extra Light (Light)						
Normal	O	O	●	O	O	O	O	O	O	O	O
Heavyduty	●	O	O	O	O	O	O	O	●	O	O
Perm Press	O	O	●	O	O	O	O	O	O	O	X
Sanitize	O	O	●	O	O	O	O	O	O	O	O
Bedding Plus	O	O	●	O	O	O	O	O	O	O	O
Deep Steam	●	X	X	X	X	O	O	O	O	O	●
Rinse + Spin						O	O	O	X	O	X
Spin only						X	O	O	X	O	X
Quick Wash	O	O	O	O	●	O	X	O	X	O	X
Wool	X	X	●	X	X	X	X	O	X	O	X
Delicates/Hand wash	O	O	●	O	O	O	X	O	X	O	X
Stain Away	●	O	O	O	O	O	O	O	O	O	O
Active Wear	O	O	●	O	O	O	O	O	O	O	X
eco Cold	X	X	●	O	O	O	O	O	O	O	X
Pure Cycle						X	X	O	X	O	X

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HELPING THE ENVIRONMENT

- Your Washer is manufactured from recyclable materials. If you decide to dispose of it, please observe local waste disposal regulations. Cut off the power cord so that the appliance cannot be connected to a power source. Remove the door so that animals and small children cannot get trapped inside the appliance.
- Do not exceed the detergent quantities recommended in the detergent manufacturers' instructions.
- Use stain removal products and bleaches before the wash cycle only when necessary.
- Save water and electricity by only washing full loads (the exact amount depends upon the program used).

DECLARATION OF CONFORMITY

This appliance complies with UL2157.

SPECIFICATION

TYPE	FRONT LOADING WASHER	
DIMENSIONS	Div	Inches (mm)
	A. Height-Overall	38.7" (984)
	B. Width	27" (686)
	C. Depth with door open 90°	51.2"(1300)
	D. Depth	34.1"(865)
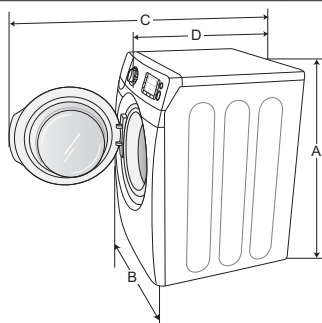
WATER PRESSURE		20-116psi(137-800kPa)	
WEIGHT		105kg (231.5lb)	
HEATER RATING		900 W	
POWER CONSUMPTION	WASHING	120 V	200 W
	WASHING AND HEATING	120 V	1150 W
	SPIN	120 V	550 W
	DRAIN	120 V	80 W
SPIN REVOLUTION	WF455ARG***	1300 rpm	

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warranty (U.S.A)

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