

Instruction Manual

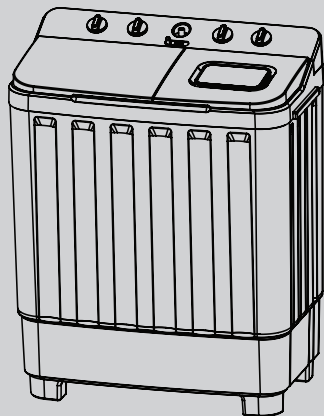
HITACHI

Washing Machine

Twin Tub

Model

LTT 10JWTAH



Thank you for purchasing a Hitachi twin tub washing machine.

- Please read this Instruction Manual carefully for proper operation of the machine.
- Please keep this Instruction Manual for future reference.

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For household use only

EN

Please read this instruction manual first!

Dear Customer,

Thank you for choosing Hitachi product. We hope that you get the best results from your product which has been manufactured with high quality and state-of-the-art technology. Therefore, please read this entire instruction manual and all other accompanying documents carefully before using the product.

Follow all warnings and information in the instruction manual. Thus, you protect yourself and your product against possible dangers.

Keep the instruction manual. If you hand over the product to someone else, provide the Instruction manual as well. Warranty terms, usage and troubleshooting methods of your product are in instruction manual.

1. Safety Precaution

This washing machine is designed for home use only. Before operating the washing machine, please read these safety instructions carefully.

- This appliance is intended to be used in household and similar applications such as: (IEC 60335-2-7)
 - Staff kitchen areas in shops, offices and other working environments;
 - Farm houses;
 - By clients in hotels, motels and other residential type environments;
 - Bed and breakfast type environments;
 - Areas for communal use in blocks of flats or in launderettes.

The safety precautions described here in are.

Classified into the following two categories, “Warning” and “Caution”, in order to express a degree of seriousness and urgency of possible injury and damage which may result from misuse and improper use of the washer due to failure to observe the individual instructions.

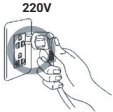
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.

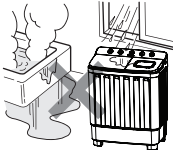
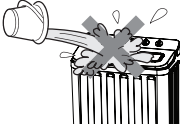
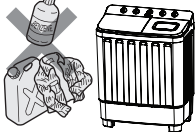
 WARNING	
• Warning (s) is used to indicate the “presence of a hazard which may cause severe personal injury or death if its instructions are not strictly observed.”	

 CAUTION	
• Caution (s) is used to indicate the “presence of a hazard which may cause personal injury or property damage if its instructions are not correctly followed.”	

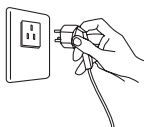
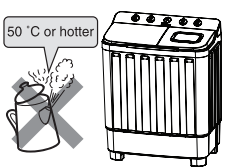
* After reading through the manual, be sure to keep it in a safe place where any users can always visibly recognize and refer to it with ease.

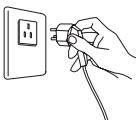
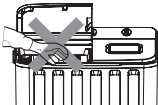
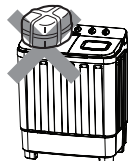
Examples of Warning Pictographs:	
	• The “⚠” marks indicate “warnings and precautions to which all users must pay and direct their attention.”
	• The “⊘” marks enclosed in a circle indicate “prohibited actions” that all users are not allowed to perform.
	• The “❗” marks with exclamation mark in them indicate some “procedure that must be followed.”

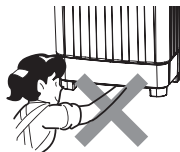
 WARNING	
	Persons other than repair technician must not disassemble, repair or modify the unit. • Doing so may result in fire or malfunctioning, which may cause injury.
	Use a single socket rated at 5A or more.  • If you use the outlet into which other power plug is inserted, the outlet may cause fire resulting from abnormal heat.
	When the prong (s) of power plug or the base of the prong (s) is soiled with dirt or dust, wipe it off with a clean cloth.  • Otherwise, fire may result.
	Be sure to apply the specified voltage to the unit.  • Failure to do so may cause an electric shock or fire.

	If the spin basket does not stop within 15 seconds after opening its spin cover during the spin cycle, immediately stop using the machine and contact an authorized service dealer to request repair.  Failure to do so may result in injury.
	Be sure to pull out the power plug from the socket when maintaining the unit. Do not pull out the plug from the socket with wet hands.  Failure to do so may result in electric shock or injury.
	Do not install the washer in a bathroom or outdoors where it is exposed to wind and rain or high humidity.  An electric shock, fire, malfunction and deformation may result.
	When carrying out maintenance on the unit, avoid applying water directly onto any unit section.  This may cause a short circuit or electric shock.
	Never put any of the following things into the wash tub or spin basket: kerosene, gasoline, benzene, alcohol, thinners, or clothes wet with any of these substances.  An explosion may occur or a fire can breakout.
	Never touch the laundry in the spin basket until it comes to a full stop.  Even slow spinning of the basket may cause the laundry to get caught in your hands or fingers, which may cause injury. Particular care is required in this regard when children are involved.
	Do not allow infants to look into the wash tub and spin basket, and do not place a stand in the proximity of the washing machine.  This may result in your child falling into the tub or basket, possibly resulting in injury.
	Do not damage, break, process, forcibly bend or pull, distort or bind the power cord. Do not place any heavy objects on it, or allow the power cord to get caught in any objects. This may damage the power cord, resulting in fire or electric shock.

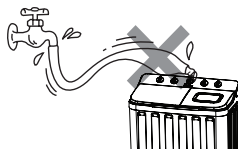
	Do not use the unit when the power cord or power plug is damaged, or the plug insertion in the socket is loose.  • If the power supply plug is damaged, it must only be replaced by a repair shop appointed by the manufacturer or its service agents in order to avoid a hazard. • Doing so may result in electric shock, or fire.
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 CAUTION	
	Be sure to hold the insulated body of the power plug, not the cord, when pulling out the power plug.  • Failure to do so may cause an electric shock or short, resulting in fire.
	Use the hot water of 50°C or below whenever using warm water for washing.  • Doing otherwise will cause deformation or damage to the plastic parts, which may result in electric shock or electricity leak.

	Be sure to keep the power plug unplugged when not using the unit for an extended period.  • Failure to do so may deteriorate the unit's insulation performance, which may cause an electric shock or fire resulting from electricity leak.
	Place the inner spin cover (for spinning operation) in the spin basket correctly when you spin-dry laundry. Balancer  Inner spin cover • Otherwise, the laundry may pop out of the basket, resulting in injury.
	Do not place your hand into the washing machine while it is in operation.  • Even slow spinning of the wash tub may cause the laundry to get caught in your hands or fingers, which may cause injury. (Be sure to "turn OFF the timer" first if you should put your hand into it.)
	Do not step on the washing machine or place any heavy objects on it.  • This may cause the washing machine to be deformed or damaged, leading to injury.

	Do not place your hand or foot underneath the washing machine while it is in use.  • The revolving components located in that area may cause injury.
	Do not wash, rinse or spin dry the water proof sheets and clothes (e.g., sleeping bag, diaper cover, sauna suit, wet suit, rain coat and covers for bicycles motorcycles and cars).  • Otherwise, the laundry may jump out of the washer or abnormal vibrations may be generated, resulting in personal injury or damage to the washer, well, floor and clothes.

If you find that water pressure is too high, close the faucet accordingly.



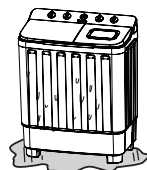
- Otherwise, the water supply hose may be dislodged and water may leak from other sections than the water inlet port.

Close the wash cover, if necessary, when washing water splashes.

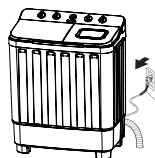


- This is a preventive measure to avoid moistening the floor.

When dewdrops are deposited on the unit: If the difference between the ambient temperature and water temperature is too high, as in summer, the floor may get wet due to dewdrops deposited on the outer surface of the wash tub.

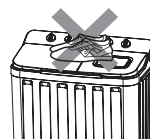


**Take proper care after using the washing machine
Be sure to pull out the power plug from the socket.**



- This is to prevent a fire accident.

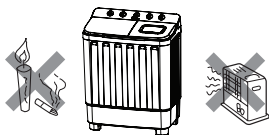
Avoid machine-washing and spin-drying shoes and the like.



- Otherwise, it may result in damage to the washer or cause an accident.

2. Precautions for Proper Use

Keep the washer away from heat sources or flame, including a lighted candle, mosquito coil, cigarette, heater, kerosene stove, etc.



- Doing otherwise will cause deformation or damage to the washer and fire accident.

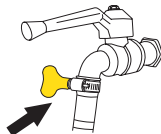
**When maintaining the washer:
Do not use benzene, thinner, cleanser, wax, slightly alkaline detergent to wipe the unit, and never scrub it with a scrub brush.**



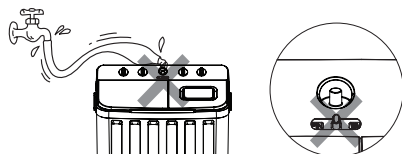
- Doing otherwise will cause deformation or damage to the plastic parts and paint-finished surfaces.

The opening must not be obstructed by carpeting when the washing machine is installed on a carpet floor.

Use Hose clamp (provided inside user manual bag) if you find that water supply hose is too loose when connect with the faucet.



To select the water supply selector, select the washing or drying side by moving the water outlet adjustment all the way to the end. (Do not leave the water supply selector lever in the middle position.)



- Otherwise, water will not flow into the washing machine and the water inlet hose may become disconnected.

If liquid detergent or powder detergent is spilled on the washing machine around the control panel, knob, and spin cover, wipe it off immediately.



- Otherwise, it may cause the color or text on the workpiece to peel off or fade away.

3. Installation

When using the washer for the first time, you may find water remaining in the drain hose. It was used for the factory performance test. It does not imply any malfunction.

Dust may also settle on the unit when you unpack your washer. However, this results from the storage of washer at warehouses.

• Installation location

In order to avoid electrical failure, discoloration and deformation, do not install the machine in the following places: installed at the wash side of the machine. The method is as follows:

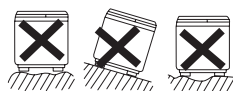
- Locations exposed to direct sunlight.



- Locations exposed to rain or snow.

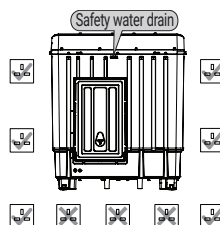


- Locations with uneven or unstable ground.



In order to avoid electrical failure in case you forget to lower the drain hose, follow these steps:

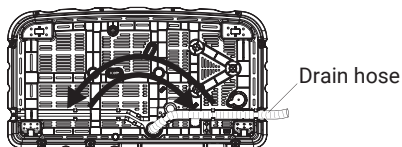
- Safety water drain - Do not block.
- Safety water drain must not be aligned with plug socket.



• Change the position of the drain hose

The ex-factory installation position of the drain hose is located at the wash side. According to the installation site, the drain hose can also be installed at the spin side of the machine. The method is as follows:

- Unplug the power cord and empty water in the drain hose completely.
- Spread a piece of soft cloth on the floor (e.g. a blanket) and place the washing machine on it gently.
- Take the drain hose out from the buckle at the wash side, and put it into the buckle at the spin side.



4. Usage method

Preparation Instructions

- Plug in power and connect the water inlet hose.
- Lay down the lower drain hose and connect it to the sewer.
- Check that there are no objects such as coins, hairpins, mud or sand in the pocket.
- Strings should be knotted in advance to prevent entanglement.
- Clothes can be classified for washing according to the texture, dirty degree and color.
- For small pieces (e.g., stockings) or fluffy clothes, put them into a nylon net for washing.

Attachment: Reference of laundry quantity corresponding to different capacities

Laundry Capacity	Shirt about 500 g	Uniform about 650 g	Jeans about 900 g	Jacket about 1600 g
2.0 kg	about 4 pcs.	about 3 pcs.	about 2 pcs.	about 1 pcs.
3.0 kg	about 6 pcs.	about 4 pcs.	about 3 pcs.	about 1 pcs.
3.6 kg	about 7 pcs.	about 5 pcs.	about 4 pcs.	about 2 pcs.
4.6 kg	about 9 pcs.	about 6 pcs.	about 5 pcs.	about 2 pcs.
5.0 kg	about 10 pcs.	about 7 pcs.	about 5 pcs.	about 3 pcs.
5.5 kg	about 11 pcs.	about 8 pcs.	about 6 pcs.	about 3 pcs.
6.0 kg	about 12 pcs.	about 9 pcs.	about 6 pcs.	about 3 pcs.
7.0 kg	about 14 pcs.	about 10 pcs.	about 7 pcs.	about 4 pcs.
7.5 kg	about 15 pcs.	about 11 pcs.	about 8 pcs.	about 4 pcs.
8.0 kg	about 16 pcs.	about 12 pcs.	about 9 pcs.	about 5 pcs.
10.0 kg	about 20 pcs.	about 15 pcs.	about 11 pcs.	about 7 pcs.

- For small pieces (e.g., stockings) or fluffy clothes, put them into a nylon net for washing.

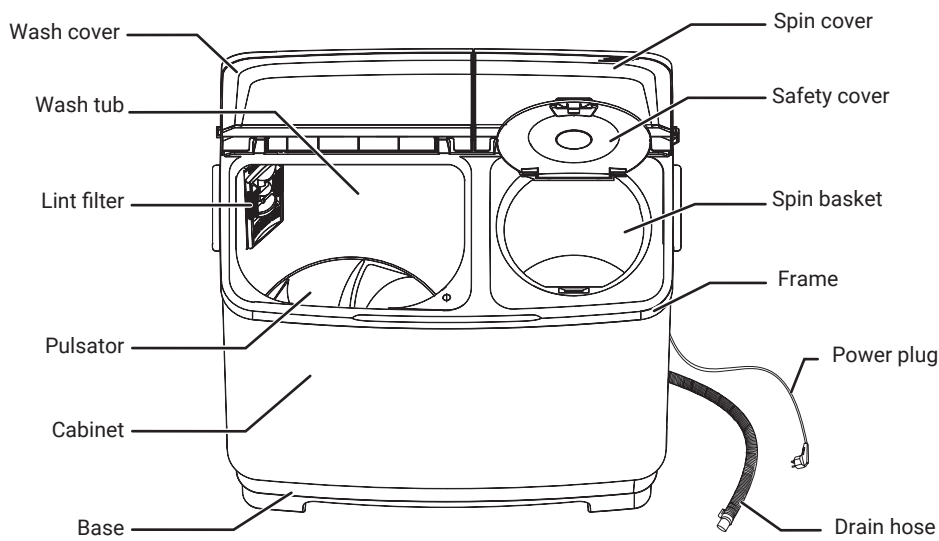
Attachment :Laundry volume and detergent dosage reference

Fabric type	Laundry capacity (kg)	Water level	Wash Mode	Wash time (minutes)	Detergent amount (g)
Synthetics,silk, Delicate fabrics	0-3	L	Gentle	3	About 50
	3-4	M		3-5	About 61
Cotton or linen	0-4	M	Gentle	7	About 61
	4-7	H0		7-10	About 77
Heavy soils	0-4	M	Normal	10	About 61
	4-7	H0		10-35(sock 15)	About 77

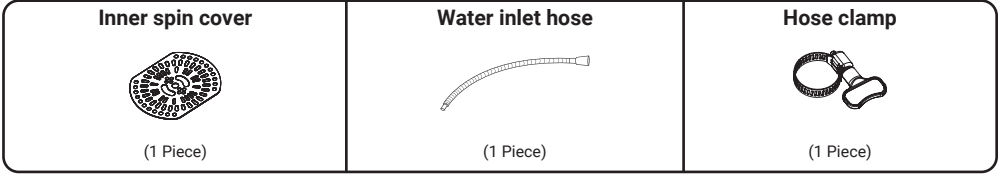
- The dosage of washing detergent varies according to dirty degree and texture of laundries.

5. Structure Instruction

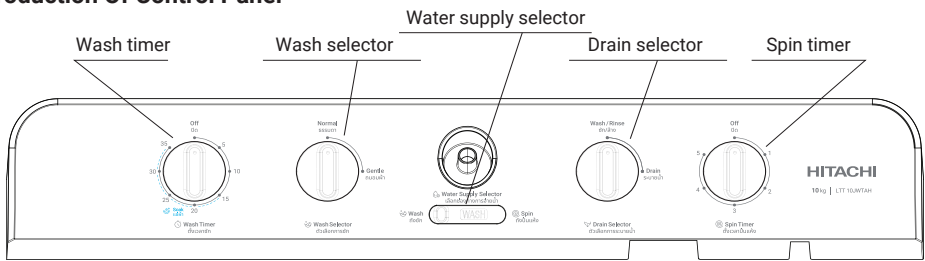
Name Of Parts



Accessories



Introduction Of Control Panel

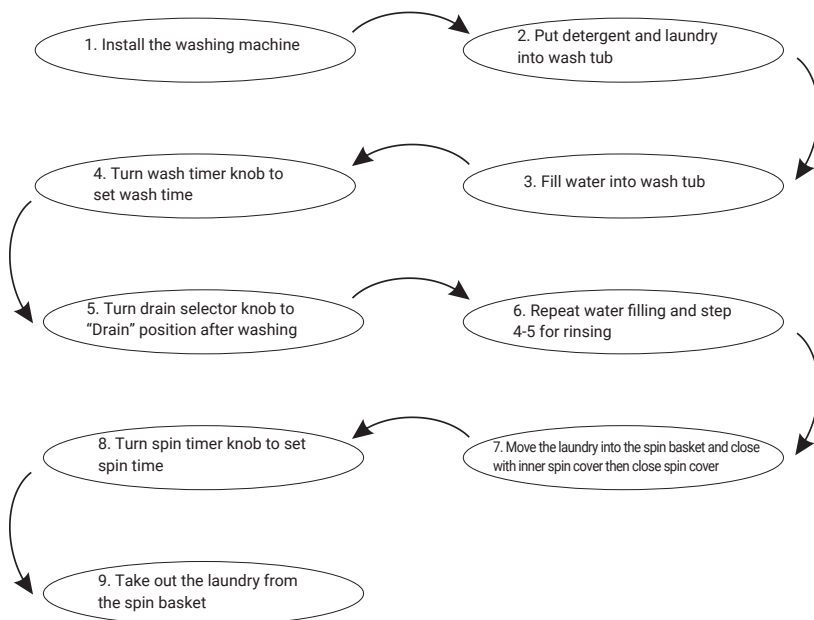


*The drawing above is for reference only, specific drawing is subject to actual models.

- Water inlet: be used to inject water.
- Wash time: be used to select required washing time.
- Spin time: be used to select required spinning time.
- Wash-Drain selector: For washing or rinsing, select “Normal” or “Gentle”. For Draining, select “Drain”.

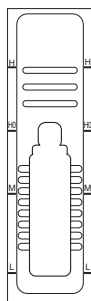
6. Usage method

Quick Start



Washing Method

1. Insert the water inlet hose into the water inlet mouth, and choose injecting water to the wash tub.
2. Put detergent into wash tub and fill water until the pulsator is submerged and set wash timer for 2 minutes to dissolve the detergent completely.
3. Put laundry into the wash tub and fill water until reach level that suitable with laundry load.
4. Set wash selector to "Normal" or "Gentle".
5. Turn wash timer to the desired time for washing.
6. After washing set drain selector to "Drain".



Water level indicator

Rinsing Method

A. Spraying rinse (rinse in the spin basket)

1. Put the laundry into the spin basket after washing.
2. Turn on the water tap, choose to fill water into the spin basket for 3-4 minutes, and then turn off the water tap.
3. Set the spin timer for 2-5 minutes for rinsing
4. The above steps can be repeated.

Note:

1. If there is red rust in water, do not choose spraying rinse, for the rust is easy to adhere to laundries.
2. Ensure that do not fill water into spin basket when spinning.

B. Common rinse (rinse in the wash tub)

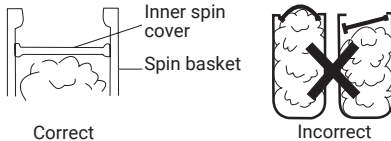
1. To save time, water and energy, can do pre-spinning before rinsing.
2. Put laundries which have already been dehydrated into the wash tub.
3. After filling water to desired level, turn the "Wash selector" knob to "Normal" or "Gentle"
4. Set the "wash timer" to the desired time (about 3-5 minutes) for rinsing.
5. After rinsing, put the washing materials into the spin basket to spin for 1 to 5 minutes.
6. Drain out the rinsing water in the wash tub.
7. The above steps can be repeated.

Spinning Method

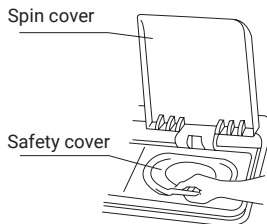
1. Shake out the laundry and put them into the spin basket.



2. Put the inner spin cover on. Confirm the inner spin cover is placed horizontally.



3. Close the safety cover and the spin cover.



4. Turn spin timer knob to set spin time

WARNING	
	Never put your hands into the spin basket when it is spinning and until it comes to a full stop. • Should you do so, clothes can get caught in your fingers and you may get injured. Especially, keep children away from the washer whenever it is in operation.
	If the spin basket does not stop within fifteen seconds after you open the spin cover, immediately stop using the washer, and ask for repairs. • Otherwise, you may get injured.

NOTE: Sometimes, just before the spin basket ceases its motion, you might catch the gentle sound of the braking system engaging.

■ Recommendable spinning time:

Laundry	Spinning time
Linen (cotton, towel, etc.)	3-5 min.
Underwear (cotton)	2-4 min.
Shirt (blended yarn fabric)	1-2 min.
Thin clothes (chemical fibers)	1 min.

CAUTION
• The appliance can not be used by children or persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction. • The new hose supplied with the appliance are to be used and that old hose should not be used. • If strong vibration occurs in time of spinning, open the spin cover immediately. Make sure that the washing machine is placed on a flat and stable floor, and then adjust washing materials, distribute them evenly. • Do not wash or spin waterproof clothes or clothes that float easily to avoid abnormal vibration or damage to the clothes.

When washing is completed.

Pull the power plug from the socket.

WARNING	
	Be sure to pull out the power plug from the socket when maintaining the unit. Do not pull out the plug from the socket with wet hands. • Failure to do so may result in electric shock or injury.
CAUTION	
	Be sure to hold the insulated body of power plug, not the cord, when pulling out the power plug. • Failure to do so may cause an electric shock or short, resulting in fire.

Hints for Spinning

- Put small-sized laundry, such as socks and handkerchiefs, in the bottom area of the spin basket to prevent them from popping out of the spin basket.

- If the washer makes any abnormal noise during the spin cycle, atop the spinning operation end spread the laundry uniformly inside the spin basket once again.
- For easy draining, be sure to drain the washing water remaining in the wash tub after the spin cycle is completed.

■ To pick out an article which has fallen between the spin basket and wash tub.

1. Take off the power plug.
2. Please call service center to request for repairing.

7. Various Washing Modes

7.1 When washing wool garments and other delicate laundry

■ **Recommendable water level for amount of laundry**

Water level	M	H0
Amount of laundry	1.5 kg or less	2.0 kg

■ **Recommendable washing cycles**

Wash current	Wash	Preliminary spinning	Extra rinsing	Spinning
Gentle	2 min.	30 sec. or less	2 min.	30 min. or less

Precaution

Do not machine-wash the following clothes and articles:

- Those items that come only with a “Dry Cleaning” label but not with a “Hand Washing” lable.
- Animal hair materials (such as cashmere, angora and mohair) excluding wool.
- Special knit items such as lace.

Helpful hints for effective washing

- Prior to washing, be sure to use the kind of detergent specified by the symbol attached to clothes to be washed and dissolve it well in water. It is recommendable to use lukewarm water at about 30°C for washing wool garments and knit wear.
- Turn the laundry inside out and place it in commercially available washing net, so that soapy water can immerse into it well.
- For heavily stained laundry, it is recommendable to soak it in soapy water beforehand (about 5 min.) for better washing results.

7.2 When washing blanket

■ **Machine-washable blankets are as follows:**

- Those blankets that are labeled with “Hand Washing”
- Single-sized blanket made of 100% chemical fibers (2.0 kg or less in weight per piece)

■ **Recommendable washing cycles**

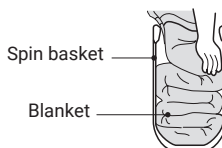
Amount of laundry	Water level	Wash current	Recommendable washing course					
			Washing	Spin time	Pool rinse	Spin	Extra rinse	Spin
2.0 kg or less	Max	Normal	5 min.	1 min.	2 min.	1 min.	2 min.	3 min.

Precaution

- Some electric blankets are not machine-washable. Therefore, when washing a “machine-washable electric blanket”, observe its instruction manual.
- Use the washing net when you wash the electric blanket.

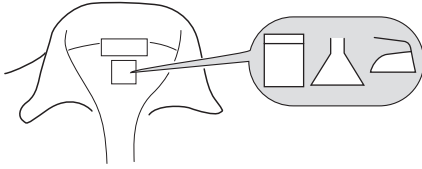
Request

- Be sure to use synthetic detergent and dissolve it well in washing water in advance.
- If a blanket resurfaces while the washing is in operation, push it under the water.
- When you move the laundry into the spin basket, squeeze lightly water out of it and put it in the basket in the manner as shown in the below illustration.



8. Hints for Effective Washing

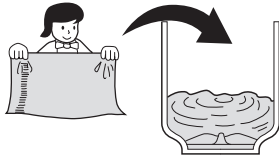
Observe the “Instructions” given on the tag attached to the clothes.



When you are worried about the tangling of a wool garment, turn it inside out before washing.



Put a bulky laundry, such as sheets or jeans, first into the wash tub.

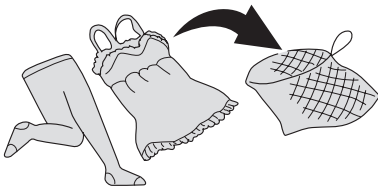


- This aims at moving the entire laundry more easily inside the wash tub while the washing is in progress.

If clothes you wish to wash are extremely soiled, they may be dipped in soapy water in advance.



Put those laundry items that are likely to easily damaged into a commercially available washing net before washing.

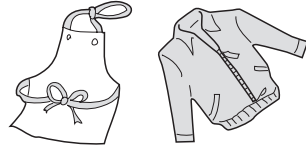


Be sure to remove sharp edged objects and foreign materials (hair pin, coin, etc.) from the pockets of laundry before washing.



- This is to avoid damaging the wash tub and clothes, or obstructing the drain pipe.

Secure strings and close fasteners.



- This aims at preventing damage to the clothes and fasteners.

Be sure to remove dirt or sand before washing.



9. Maintenance

Attention To Maintenance

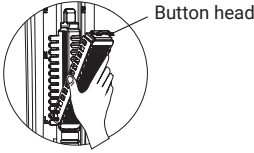
Cabinet maintenance

After using the washing machine, wipe the moisture and stain on it with a piece of soft cloth. To avoid damage to the surface, do not use corrosive or volatile chemicals.



Cleaning the lint filter

- Press the button head, and pull the lint filter out.
- Clean lint filter and rinse it.
- Insert lint filter into place .



CAUTION

After you use the washing machine, never forget to do the following two things:

1. Disconnect the power plug.
2. Remove the water inlet hose.

10. Before Calling for Service

If any abnormality is found, check the following before asking for service:

Trouble	Check point	Trouble	Check point
Washer does not function at all.	• Is the fuse is blown or circuit breaker switched off? • Is poor connection between the power supply plug and outlet made? • Is any water remaining in pulsator frozen?	Incomplete spinning	• Is laundry spread evenly inside the spin basket? • Is the drain port is closed with laundry falling out of the tub or basket? • Are there bubbles all around the spin basket? • Is the water drain hose raised in the halfway? Is the hose extended for more than 2 meters?
Laundry will not move smoothly.	• Is excessive amount of laundry put in the wash tub?	Washing water leaks from the hose.	• Is the drain valve or drain outlet clogged with lint, dirt, or mud?
The spin basket will not function.	• Is the spin cover closed completely? • Are there any clothes (socks, etc.) that fell out of the spin basket and clung to the axis?	Incomplete draining	• Is the drain filter or overflow filter clogged with lint? • Is the drain hose crushed or damaged?

11. After-Sales Service and Warranty

For inquiries and advice for repair:

For any question or advice on repair about your washer, please get in touch with the dealer from whom you purchased it or one of “our customer support centers” as described in the separate copy.

When you ask for service

In-field service

Refer to the “Before Calling for Service” for troubleshooting any trouble. If you think that the trouble still cannot be cured, stop using the washer, pull out the power plug from the power outlet, and contact the distributor from whom you bought it for checks and repairs.

During the warranty period:

Please show your warranty to a qualified service dealer when the dealer repairs your washer. Then, the dealer makes any needed repair according to the terms and conditions as stipulated in the warranty.

Required information for after-sales services, check and repairs

Product's name	Electric Washing Machine	Your address	Please describe any easy-to see building, signs, etc. in your neighborhood as well
Model Type	LTT 10JWTAH	Your Name	
Date of Purchase		Your Telephone No.	
Trouble & Problem	Please specify it in detail as much as possible.	Request date for service	

When warranty expires:

If your washer can become available for normal operation after it is repaired, the repair service will be available upon request.

Please check your washer for possible malfunction when it is used for an extended period of time!			
Maintenance with tender care 	Check to see if any of the following conditions or other abnormalities exist:	• The spin basket is difficult to stop. • There are water leaks (hose, wash tub, joint, etc.) • There is smell of burning or strange noise and vibration when the washer is in operation. • If you touch the washer, you receive an electric shock. • The washer rattles or is installed on an inclined surface. • When you turn on the switch, the washer sometimes does not operate. • Timer sometimes stops functioning halfway. • The power cord or plug is heated excessively. • Other failure and malfunction are found in the washer.	Stop using the washer in the aforementioned cases If any of the abovementioned conditions or abnormalities exist, be sure to immediately switch off the power switch to prevent an accident and damage, and ask the dealer to inspect and repair the washer.

Customer's Note: Please write down the necessary information on your washer for future reference. This note is helpful for you to ask a dealer for service in the future.	Place of Purchase:	Phone No.
	Date of Purchase:	

12. Specifications

Product		Electric Washing Machine (Hitachi's Twin-Tub Washer)
Standard water level (maximum water level)		79 L
Capacity	Wash	10.0 kg
	Spin	5.5 kg
Maximum water pressure		0.03 to 0.1 MPa
Overall dimensions		Width 820 mm x Depth 465 mm x Height 995 mm
Net weight		22 kg
Rated voltage		220-240V
Rated frequency		50Hz
Input Power	Wash	420-500W
	Spin	220-240W

Sales and Service Center

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