Instruction Manual

HITACHI

Washing Machine

Twin Tub

Model

LTT 10JWT LTT 12JWT



Contents

| 1. Safety Precaution | 3 |
|--------------------------------------|----|
| 2. Precautions for Proper Use | 6 |
| 3. Installation | 7 |
| 4. Usage method | 7 |
| 5. Structure Instruction | 9 |
| 6. Usage method | 10 |
| 7. Various Washing Modes | 12 |
| 8. Hints for Effective Washing | 13 |
| 9. Maintenance | 14 |
| 10. Before Calling for Service | 14 |
| 11. After-Sales Service and Warranty | 15 |

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.

For household use only



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 injuly 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."

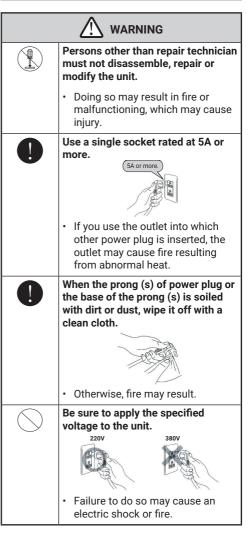
CAUTION

 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."

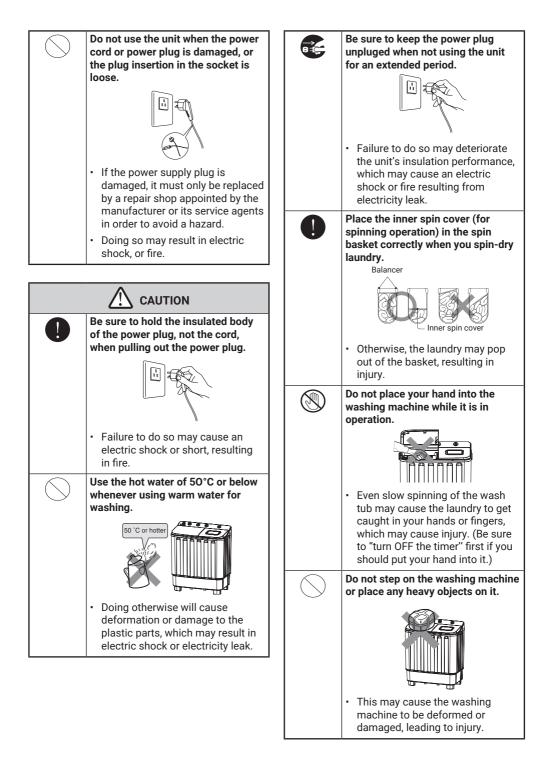
* After reading through the manual, be sure to keep it in a safe place where any users can always visibly recognize and refer to it with ease.

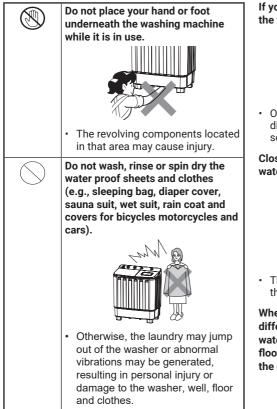
Examples of Warning Pictographs:

 Image: Arrow of the second second



| 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. | | \bigcirc | 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. |
|--|--|------------|--|
| 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. | | | 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 |
| bathroom or outdoors where it is exposed to wind and rain or high humidity. An electric shock, fire, malfunction and deformation may result. | | \bigcirc | 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 |
| When carrying out maintenance on the unit, avoid applying water directly onto any unit section. This may cause a short circuit or electric shock. | | \bigcirc | 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. |





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 alkalinedetergent 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. 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.



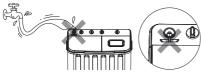
• Otherwise, it may result in damage to the washer or cause an accident.

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.

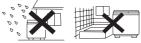
Dust may also settle on the unit when you unpack your washer. However, this results from the storage of washer at warehouses.

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.



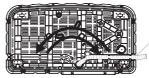
- Locations with uneven or unstable ground.



• 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.



Drain hose

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.

| 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. |
| 11.0 kg | about 22 pcs. | about 17 pcs. | about 12 pcs. | about 7 pcs. |
| 12.0 kg | about 24 pcs. | about 18 pcs. | about 13 pcs. | about 7 pcs. |
| | | | | |

Attachment: Reference of laundry quantity corresponding to different capacities

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

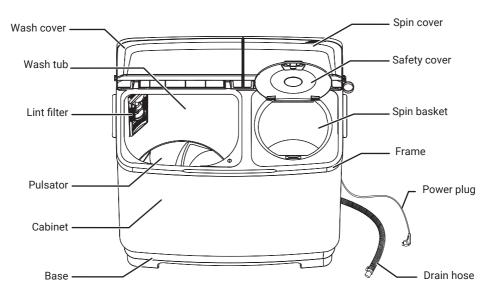
Attachment :Laundry volume and detergent dosage reference

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

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

5. Structure Instruction

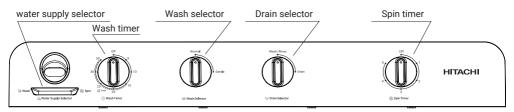
Name Of Parts



Accessories

| Inner spin cover | Water inlet hose | Hose clamp |
|------------------|--|------------|
| | Same and the second sec | |
| (1 Piece) | (1 Piece) | (1 Piece) |

Introduction Of Control Panel

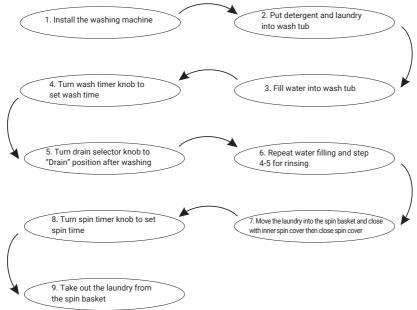


*The drawing above is for reference only, specific drawing is subject to actual models.

- 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".

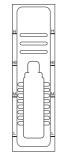
6. Usage method

Quick Start



Washing Method

- 1. Insert the water inlet hose into the water inlet mouth, and choose injecting water to the wash tub.
- Put detergent into wash tub and fill water until the pulsator is submerged and set wash timer for 2 minutes to dissolve the detergent completly.
- 3. Put laundry into the wash tub and fill water until reache 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 prespinning 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.

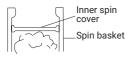


Spinning Method

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.



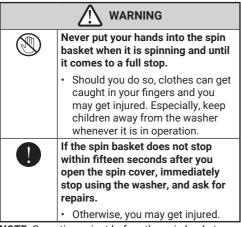


Correct

3. Close the safety cover and the spin cover.



4. Turn spin timer knob to set spin time



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

Recommendable spinning time:

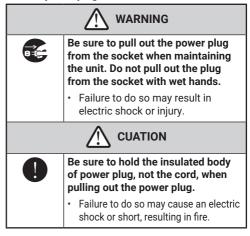
| Laundry | Spinning time |
|--------------------------------|---------------|
| Linen (cotton, towel, etc.) | 3-5 min. |
| Underwear (cotton) | 2-4 min. |
| Shirt (blended yam fabric) | 1-2 min. |
| Thin clothes (chemical fibers) | 1 min. |

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.



Hints for Spinning

 Put small-llized laundry, euch ea eocke and ha.ndkarchlefa, in the bottom area of the spin basket to prevent them from popping out of the spin basket.

- It 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 | М | HO |
|-------------------|----------------|--------|
| 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

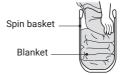
| A | mount | Water | Wash | | | mendabl | e washir | ng course | |
|----|-----------------|-------------------|---------|--------------|---------------|---------|-------------|-----------|--------|
| of | laundry | dry level current | Washing | Spin time | Pool rinse | Spin | Extra rinse | Spin | |
| | 0 kg or less | Max | Normal | 5 min. | 1 min. | 2 min. | 1 min. | 2 min. | 3 min. |

Precaution

- Some electric blankets are not machinewashable. Therefore, when washing a "machinewashable electric blanket", observe its instruction manual.
- Use the washing net when you wash the electric blanket.

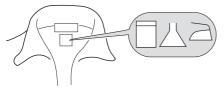
Request

- 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.

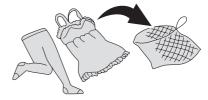


 This aims at moving the entire laundry more easily inside the wash tub while the washing is in progress.

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.



| Model No | Сара | city | Power | Input Power | | Maximum | Overall | Net |
|-----------|--------|-------|------------------|-------------|----------|----------------|-------------------|--------|
| Model No | Wash | Spin | Supply | Wash | Spin | water pressure | dimension | weight |
| LTT 10JWT | 10.0kg | 8.0kg | 220-240V 50Hz | 380-440W | 250-270W | 0.03-0.1Mpa | 895x485x1,020(mm) | 25kg |
| LTT 12JWT | 12.0kg | 8.0kg | 220-240V 50Hz | 420-490W | 250-270W | 0.03-0.1Mpa | 895x485x1,020(mm) | 25kg |

Main Technical Parameters

9. Maintenance

Attention To Maintenance

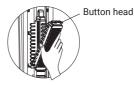
Cabinet maintenance

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 thing 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 gualified 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, sings, etc. in your neighborhood as well | | | | |
| Model Type | LTT 10JWT / LTT 12JWT | Your Name | | | | | |
| Date of Purchese | | Your Telephone No. | | | | | |
| Trouble & | Please specify it in detail as much as | Request date for | | | | | |

R

Please specify it in detail as much as

possible.

When warranty expires:

Problem

F

D

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

Request date for

service

| Maintenance | Please chec | k your washer for possible malfunction when it | is use | ed for an ext | ended period of time! |
|------------------|---|--|--------|--|--|
| with tender care | Check to see if any of the following conditions or other abnormalities exist: | The spin basket is difficult to shop. 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 aforemen- tioned 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 | Place of Purchase: | Phone No. |
|---|--------------------|-----------|
| future reference. This note is helpful for you to ask a dealer for service in the future. | Date of Purchase: | |

Arcelik Hitachi Home Appliances (Thailand) Ltd.

2WPL18705B