

SPECIFICATIONS

Dimensions	560(W) x 535(D) x 950(H) mm
Water level (HIGH)	50 litres
Power Source	AC Local voltage
Power Consumption	330 W
Required Water Pressure	0.03 MPa ~ 1.0MPa (0.3 kgf/cm ² ~ 10 kgf/cm ²)

WARNING - This appliance must be earthed.

FOR WASHER PLUG TOP 3 PIN (For BS Standard Plug With A 13 Amp Fuse)

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

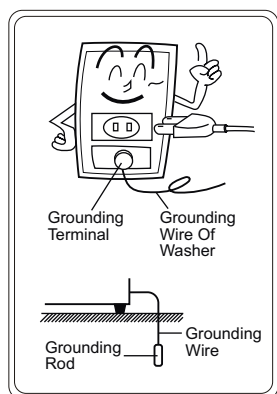
Green/yellow: Earth Light Blue: Neutral Brown: Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

- The wire which is coloured green and yellow must be connected to the terminal in the plug which is marked with the letter E or by the earth symbol \perp or coloured green or green and yellow.
- The wire which is coloured light blue must be connected to the terminal which is marked with the letter N or coloured white.
- The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured black.

FOLLOWING CAUTIONS ARE FOR WASHER USING DOUBLECORE CORD ONLY.

- If the 2-pin type of socket-outlet has a grounding terminal, securely attach the end of the Grounding Wire to the terminal.
- When grounding the washer, connect the grounding wire before plugging in the Power Cord.
- If the 2-pin type of the socket-outlet has no grounding terminal, consult your nearest dealer or securely attach the end of Grounding Wire to a suitable grounding point, such as a metal cold water pipe.
Never connect the Grounding Wire to a gas pipe.
- Unplug the Power Cord before disconnecting the Grounding Wire.

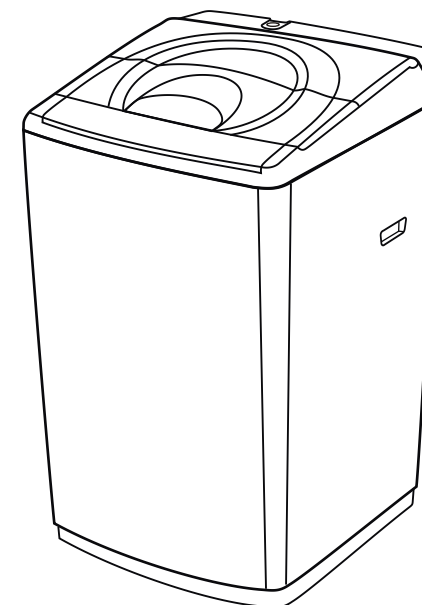


SANYO

INSTRUCTION MANUAL

ASW-A85HT

MICROCOMPUTER CONTROL
FULLY AUTOMATIC WASHING MACHINE



Before operating this washing machine, please read these instructions carefully and completely.

CODE NO.301-6-421S-032-40B

SANYO

SANYO Electric Co.,Ltd.

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SPECIFICATIONS	Back Cover

IMPORTANT SAFEGUARDS

⚠ WARNINGS

Never put your hand(s) into the Wash/Spin Tub while the washer is operating.

- If you reach into the Wash/Spin Tub, it can cause injury.
- If the Wash/Spin Tub dose not stop within 15 seconds after the Washer Lid is opened, turn the washer off immediately and call a service person.



Be sure to connect Power Plug and Power Cord properly.

- Be sure to plug the Power Cord into a proper socket-outlet for the washer.
- An improperly attached plug may catch fire.
- Never disconnect by pulling the cord. Hold the plug as you pull it out.
- Never use a damaged Power Cord.
- Never connect and/or disconnect the Power Plug with wet hands, it may cause an electric shock.
- Wipe the Power Plug with a soft cloth and remove any dust to prevent a risk of the accidental fire before plugging into the socket-outlet.
- Do not plug two Power Cords in one socket-outlet.



Be sure not to bring any type of flame near the washer or put lit cigarettes or volatile materials on the top of the washer.

- It may deform the washer or catch fire, because this washer has a large number of plastic parts.



Do not install the washer in the bathroom or very humid place.

- It may cause a malfunction or an electric shock.



Never wash items stained with benzene, kerosene, thinner or gasoline.

- It may cause a risk of fire or explosion.



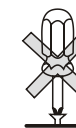
Do not allow children to play on or in the washer.

- If a child accidentally falls in to the Wash/Spin Tub, serious injury could occur.



Do not allow your washer to be repaired by an unqualified service person.

- It may cause a risk of accidental fire.
- If the washer operates abnormally, it may cause injury.


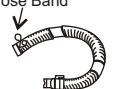






Be sure not to splash or pour water on the Control Panel.

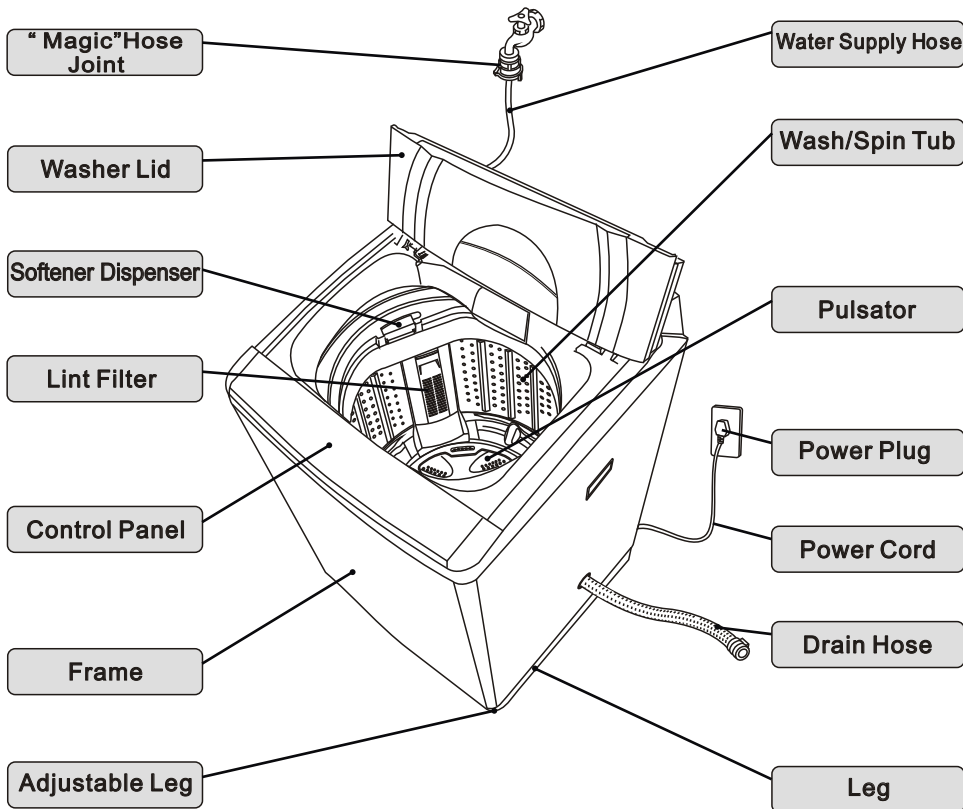
- It may cause a malfunction or an electric shock.



ACCESSORIES

Instruction manual	Drain Hose	Water Supply Hose	"Magic" Hose Joint	Bottom Cover	Screw
					

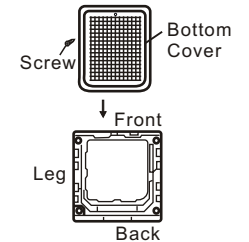
NAME OF PARTS



INSTALLATION INSTRUCTIONS

Installing the Bottom Cover

1. Unplug the Power Cord of the washer.
2. Gently lay down the front side of washer on a soft mat or cushion. (Be careful not to dent the Frame.)
3. Insert the attached Bottom Cover into the hooks of Leg by straightly pushing until it reaches into the front hooks.
4. Fasten the Bottom Cover with a screw.
5. Gently set the washer upright.



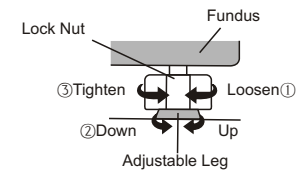
Location of Washer

1. Choose a dry location out of sunlight for the washer.
2. Install the washer on a stable and level surface.



3. Adjust the Adjustable Leg of washer if necessary to make the washer level as shown in the figure.

- The maximum permissible inclination of the supporting surface is 2°.

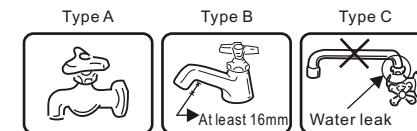


CAUTION:

- Do not block the ventilation openings on the bottom of washer by carpeting when the washer is installed on a carpeted floor.

Attaching the "Magic" Hose Joint to a Faucet

Faucet: Type A :is the most suitable



Type B :The length of the mouth of the faucet needs to be at least 16mm. If it is less than 16mm, the "Magic" Hose Joint can not be installed.

Type C :It may cause water leaking.

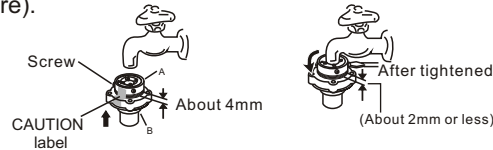
CAUTIONS:

- Do not use water which is hotter than 50°C.
- If your faucet is not suitable, please consult your dealer.

INSTALLATION INSTRUCTIONS

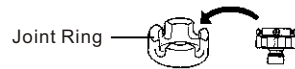
How to Attach the "Magic" Hose Joint

- Loosen the four screws and slide the top of the "Magic" Hose Joint (section A in the figure) onto the faucet. Then, securely tighten the four screws provided with the "Magic" Hose Joint by using a screwdriver to secure the top of the joint to the faucet.
- Remove the CAUTION label from the "Magic" Hose Joint.
- Turn the male coupler on the joint (section B in the figure) clockwise to attach it securely to the top of the joint (section A in the figure).
 - The appliance is to be connected to the water mains using new Water Supply Hose and "Magic" Hose Joint and old hose-sets should not be reused.



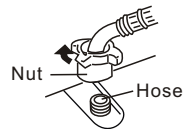
CAUTION:

If outer diameter of faucet is larger than calibre of the Joint Ring, loosen the four screws and remove the Joint Ring from the "Magic" Hose Joint.



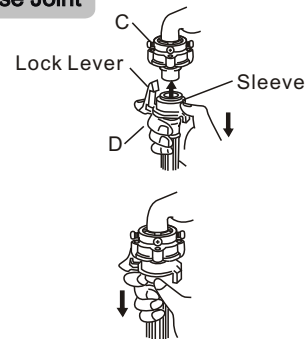
Installing Water Supply Hose to the Washer

- Turn the nut clockwise while holding the hose.
- Turn the nut counterclockwise after turning the faucet off when you want to detach the Water Supply Hose.



Connecting the Water Supply Hose to the "Magic" Hose Joint

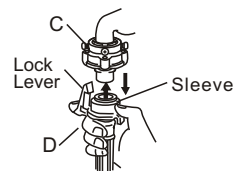
- While pushing the sleeve on the female coupler (section D in the figure) of the joint down with your fingers, connect the female coupler to the male coupler (section C in the figure).
- Release the sleeve, then push the Water Supply Hose up into the "Magic" Hose Joint until it clicks into place.
- Pull the Water Supply Hose down to make sure that it is securely attached.



How to Detach the Water Supply Hose

Please read the following procedure in order to avoid spilling water when detaching the Water Supply Hose.

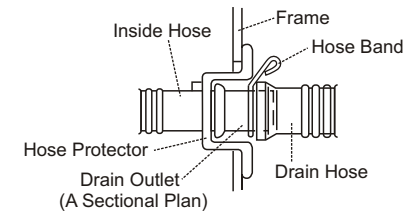
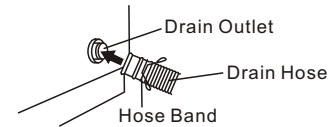
- Turn the faucet off.
- Press the POWER ON/OFF button to turn the power on, the NORMAL button and the START/PAUSE button.
- Press the POWER ON/OFF button to turn the power off 15 seconds later.
- While pushing the lock lever and the sleeve on the female (section D in the figure) of the joint down with your fingers, detach the female coupler from the male coupler (section C in the figure).



INSTALLATION INSTRUCTIONS

Installing The Drain Hose

Set the clip part of Hose Band sideways to prevent touching the frame which may cause a vibration noise.



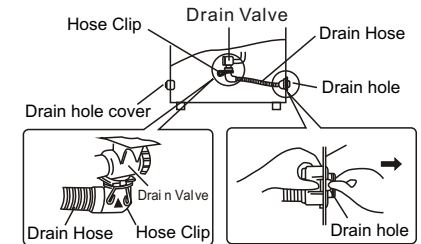
Changing the Drain Hose Direction

You can change the direction from right side to left side.

NOTE:

Put gloves on to prevent injury of your hands when changing the Drain Hose direction.

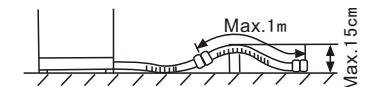
- Unplug the Power Cord of the washer.
- Detach the Back Cover by loosening screws at the back side of the washer. Detach outer Drain Hose and gently lay down the front side of washer on a soft mat or cushion.
- Be careful not to open the Washer Lid and dent the frame.
- Detach the Cap from the left side of frame.
- Loosen the Hose Band and pull the inner Drain Hose out of the Drain Valve. Pull the Hose Band out of the inner Drain Hose.
- Remove right and left Tabs of Drain Outlet one side by another side pushing the Tabs both in side and outside and pull the Drain Hose out toward outside of frame.
- Let the inner Drain Hose through outside of left hole and set the protrusive guard of the hose until fitting the Tabs certainly to the frame.
- Connect the inner Drain Hose to the Drain Valve in place and fix the Hose Band as shown below.
- If you do not attach correct position marked with ▲, it can damage the inner Drain Hose and cause a water leaking through the torn position.
- Attach the Cap to the right hole.
- Reattach Back Cover and gently set the washer upright.



Extension of the Drain Hose

When extending the external Drain Hose, please follow the below figure for the length and height.

Extension Hose	Height	Length
No straight	Max. 15cm	Max. 1m
Straight	—	Max. 3m



NAMES AND FUNCTIONS OF CONTROL PANEL

DETERGENT Indicators

These are the spoon indications of the DETERGENT volume.

Detailed operation please refer to page 9.



TIMER And PRESET Indicators

• This indicator shows remained time during washing.

(E.g.) Remaining time is 20 minutes

REMAINING TIME **20**

• When setting PROCESS, the digital display indicates time or times.

(E.g.) Twice Over flow Rinse

*RINSE **2**
OVERFLOW

This point lighting on during Overflow Rinse

• This indicator shows when the washing is finished during presetting.

(E.g.) Finish washing 2 hours later

2

• When abnormal conditions occur, the indicator will indicate warning.

(E.g.) Water does not flow

E1

SOFT SPIN

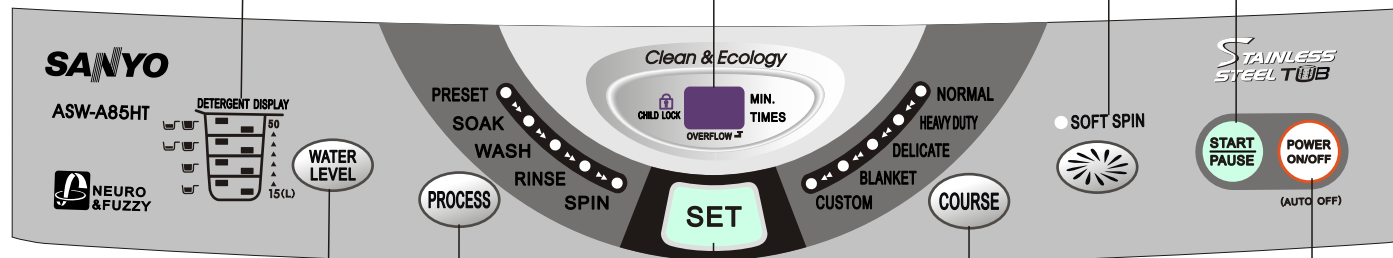
Press the button SOFT SPIN, the light above flashes. The last 2 minutes spinning will be soft spin, this avoid clothes creasing.

START/PAUSE Button

This button can be used for starting the washer operation. This button can also be used to temporarily stop the washer operation. To restart the washer operation, press the START/PAUSE button again.

NOTES:

This is not a cancel button. If you want to delete the End Buzzer, press the START/PAUSE button and hold down for about 4 seconds until beeping stops. See page 13.



WATER LEVEL Button CHILD LOCK Function

- You can choose the appropriate water level that matches the load size.
- You can set CHILD LOCK function. Refer to CHILD LOCK FUNCTION at page 12.
- Different water levels for washing rinsing optional.

Detailed operation please refer to Page 11.

PROCESS And SET Button

- The PROCESS and SET button can be used to set PRESET, SOAK, WASH time, RINSE type and SPIN time. For example to set Rinse type: Press PROCESS button till RINSE light flashes. Then press SET button to choose you wanted rinse times and rinse type.

Detailed operation please refer to Page 10.

COURSE Button

To choose the washing course, press COURSE button.

NOTE:

If you choose the NORMAL, HEAVY DUTY, CUSTOM course, the washer will automatically begin the NEURO & FUZZY operation.

POWER ON/OFF Button

To turn the power on, press the POWER ON/OFF. When you want to turn off the power, press the POWER ON/OFF button again. When washing has finished, the power will be turned off in 5 seconds automatically. (except Setting Remained water Draining function).

NOTES:

- If you want to change the wash program, press the POWER ON/OFF button and then on it again.
- If you leave the washer turning on without starting the operation, the power will be turned off in 10 minutes by itself.

NORMAL USAGE

- Preparation
 - Make sure to fit the Drain hose.
 - Connect the water supply hose to the faucet and turn the faucet on.
 - Make sure that some screws of Magic Hose is tighten. Otherwise it may cause water leak.
 - Plug the Power Cord into a socket
 - Put clothes inside
- Press POWER ON/OFF button
- Press START / PAUSE button
 - Sensor tests the clothes weight automatically. (For NORMAL/HEAVY DUTY/CUSTOM) Auto choose the proper water level, wash/spin time, rinse type. (It is not available for the 2 lowest water levels. Need manually set if needed)
- Use recommended amount of detergent as shown in chart.
- Close the washer lid
 - The washer will alarm and stop working before spinning if the washer lid is not closed.

Water Level	1	2	3	4	5	6	7	8
Water Volume (Approx. L)	15	20	24	27	31	36	43	50
Detergent Indicators								
Powdered detergent volume (g)	12~20		20~28		28~36		36~50	
Other detergent volume	You may adjust the detergent volume according to the type of detergent-follow recommendations on package.							

- Too much detergent causes poor rinsing and too little detergent causes poor washing.

THE PREPARATION OF LAUNDRY BEFORE WASHING

- Make sure that nothing remained in pocket. (Pin, coin or something like possibly damage clothes or washing machine, and the extra noise occurred may cause trouble to washing machine).
- Overturn the clothes to get rid of scraps.
- Wool items like women underwear, articles with embroider, nylon etc, should be placed in a laundry net for extra protection.
- Close the fastener and tie loose laces.
- Brush the dirty parts like dust, sand.
- Put light clothes down. Please pause operation and push it into water when it floats up.
- Please separate washing white clothes from coloured clothes, coats from underwear.

HOW TO USE COURSE AND PROCESS

- Preparation: Fit the Drain hose, turn the water supply faucet on, plug the Power Cord into a socket, put clothes inside
- Press POWER ON/OFF button
- Press COURSE button choose your needed course according to the clothes. Please refer to below chart for course choosing.

COURSE CHOOSING GUIDE		
COURSE	Water Power	Suitable Clothes
NORMAL	Standard	Normal clothes
HEAVY DUTY	Strong	Dirty Clothes like working coat
DELICATE	Soft	women underwear, articles with embroider
BLANKET	Blanket	Blanket or Bulky
CUSTOM	Standard	Kinds of clothes

- Press PROCESS button choose your like cycle. The light moves right one by one when press.

SOAK → WASH → RINSE → SPIN → PRESET

↑

- Press SET button to choose SOAK, WASH, SPIN time, RINSE type and RINSE times.

- SOAK time indicating

0 → 5 → 10 → ... → 35 → 40 minutes (This function is not available for DELICATE/BLANKET course).

↑

- WASH time indicating

0 → 1 → 2 → ... → 19 → 20 minutes

↑

- RINSE times indicating

0 → 1 → 1. → 2 → 2. → 3 → 3. (The number means times, “.” Means Overflow Rinse).

↑

- SPIN time indicating

0 → 1 → 2 → ... → 8 → 9 minutes (Except the DELICATE course).

↑


0 → 1 → 2 → 3 minutes (For DELICATE course).

↑

- Press WATER LEVEL button, choose proper water level and then put detergent.
- Press START/PAUSE button.
- Close the washer lid
 - If you want to change COURSE or PROCESS during operation, please switch off power, restart power and choose the course you needed.

HOW TO USE COURSE AND PROCESS

OPERATION STATUS FOR THE COURSE			
COURSE	Wash Time (minutes)	Rinse Type and Rinse Times	Spin Time (minutes)
NORMAL	5~12	Water Saver Rinse 2 times	4-5
HEAVY DUTY	7~14	Overflow Rinse 2 times	7-8
DELICATE	6	Overflow Rinse 2 times	2
BLANKET	12	Overflow Rinse 2 times	8
CUSTOM	10	Shower Rinse 1 times Water Saver Rinse 1 times	5

- Possible the total time is not same due to different water pressure.
- Shower rinse could be changed as Water Saver Rinse. Please see Page 12 instructions SHOWER RINSE. 

VARIOUS FUNCTIONS

PRESET

1. Press POWER ON/OFF button and make sure to fit the Drain Hose.
2. Turn the faucet on and load the laundry into the washer.
3. Select your needed COURSE, PROCESS and WATER LEVEL.
4. Press PROCESS button till light of PRESET flashes, press SET button select your needed preset time (the time washing finished).

PRESET Indicate

6 → 7 → 8 → ... → 24 → 0 → 1 → ... → 5 (hours)

5. Press START/PAUSE button.
6. Put the detergent into the washer and close washer lid.
 - All the lights except PRESET will be lighted off in about one minute later.
 - Directly put the detergent into the tub. (Do not make detergent touching clothes)
 - PRESET confirming: Press SET button to indicate PROCESS about 5 seconds.
 - PRESET cancel, change: PRESET is canceled automatically when power off; Switch power on and set PRESET again to change it.
 - This function is not available for DELICATE course.

WATER LEVEL SETTING

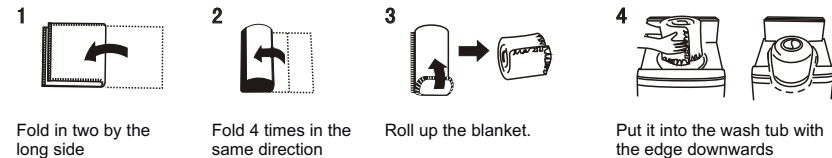
This button allows you to choose the appropriate water level during WASH / RINSE process.

Method: Press PROCESS till WASH light flashes, press WATER LEVEL button to choose the appropriate water level, press SET button to set wash time. Then press PROCESS button till RINSE light flashes, press WATER LEVEL button to choose the appropriate water level, press SET button to set RINSE times and RINSE type. Then press PROCESS button till SPIN light flashes, press SET button to set SPIN time. Finally press START/PAUSE, the washer will start operating according to the wash water level and rinse water level as set.

VARIOUS FUNCTIONS

BLANKET

1. Press POWER ON/OFF button and make sure to fit the Drain Hose.
2. Press COURSE button continuously and choose the BLANKET course (The BLANKET Light flashes).
3. After the detergent is dissolved with proper amount of warm water (approx. 30°C), pour it into the tub of the washing machine.
4. Fold up the blanket as the method showed in the figures below and put it into the washing tub.
5. Press the START/PAUSE button.
6. Close the washer lid.



TWO CLEAN STEPS FUNCTION

The washer will start washing when water to the level below 2 levels as set. By this, the washer starts working with more density of detergent.

- This function won't be effected when select level 1 or level 2 water, and DELICATE or BLANKET program.
- When SOAK is selected, this function will not be effected after soaking.

CHILD LOCK FUNCTION

The Washer will stop working automatically and alarm if washer lid opened 5 seconds during operation.

Method of Child Lock Set: Press POWER ON/OFF button to switch on the power, press WATER LEVEL button for 4 seconds till Buzzer sounds. To restore it, repeat above or pull out the plug.

REMEMBER FUNCTION

When select NORMAL, CUSTOM or HEAVY DUTY, 30 seconds after starting, the washer will remember this program and starts same next time working.

- This function is not available for DELICATE and BLANKET course.
- PRESET, SOAK and WATER LEVEL will not be remembered.
- The Wash, Rinse and Spin for CUSTOM program could be remembered.
- The memory will be lost if pull out the plug.

SHOWER RINSE

Under CUSTOM, if set 2 times rinses, the first rinse will be shower rinse. If you don't want shower rinse, you can cancel it and it will change to Water Saver Rinse or Overflow Rinse.

Method of use:

Press POWER ON/OFF button to switch on the power, and press SET button for 4 seconds till a sound from buzzer. To restore it, repeat above or pull out the plug.

VARIOUS FUNCTIONS

OTHERS

- Delete the end buzzer: Press POWER ON/OFF button to switch on the power, and press START/PAUSE button for 4 seconds till a sound from buzzer. To restore it, repeat above or pull out the plug.
- How to drain remaining water
When select this function, in 9 minutes after the working finished, the drainage valve will open to drain out the remained water inside. This will avoid water freezing inside in winter when temperature below 0°C.
- Method of Use
Press POWER ON/OFF button to switch on the power, and press PROCESS button for 4 seconds till a sound from buzzer. To restore it, repeat above or pull out the plug.

NO TROUBLE CONDITIONS

- During Washing or Rinsing, still there is Water inletting. This is possibly automatic water adding due to water level decrease.
- Spin tub turns or stops timely at the beginning of spinning. This is intermittent spinning for better spin effect.
- No drainage during overflow rinse. This is caused by lower water level set or lower water pressure.
- Water inletting and rinsing sometimes during spinning. This is automatic lean-correction due to clothe is not equally inside.
- There is sound like water flow after spinning. This is the sound of balance liquid in Balance ring. It is for reducing vibration of spinning.
- Control panel keeps warm after Power Off, this is caused by Remember circuitry working.
- Power off during working and the washer could not continue working. Should set the program again.

CARE AND MAINTENANCE

Clean washing machine

Use soft clothing to wipe off the water or dirt on the surface of the washer.

- Do not spray water directly to the washer body.
- Detergent, propellant and other chemicals are not allowed to use to avoid the damages on the surface.



Clean the water inlet valve

(Suggest clean it every 6 months)

After long time use, The water inlet mesh bag may be blocked with crud, please load off the water inlet hose, take out the water inlet mesh bag from the water inlet valve, clean the mesh bag, then assemble the mesh bag in the valve and load the water inlet hose.

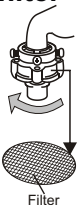


Water Inlet

Clean "magic" hose joint filter

(Suggest clean it every 6 months)

- Pull the water inlet hose out.
- Turn off the revolver according to below figure.
- Load off the " Magic " Hose Joint filter and clean the crud with a toothbrush.
- Install the clean " Magic " Hose Joint filter to revolver and water inlet hose.



Filter

Clean lint filter

(Suggest clean it every week)

- Take out the lint filter
- Pull out the scraps and wash the lint filter in the water.
- Install the Filter.
aim the frame claw to the groove below.
(Lint Filer is easily destroyed parts).



TROUBLE SHOOTING GUIDE

When the following problems occur, the microcomputer will detect the abnormal condition and an electronic buzzer sounds for approximately 10 seconds and digital display indicates flash as shown below.

Kind of Trouble	Trouble Indication	Where to Check
The washer does not work at all		<ul style="list-style-type: none"> Check the POWER ON/OFF button. Check the START/PAUSE button. Check whether under PRESET condition. Check the power cord whether is securely plugged in. Check whether power failure occurs. Check whether the fuse or circuit breaker has been activated.
Water does not flow into tub or water flow is slim	E1	<ul style="list-style-type: none"> Turn on the water supply faucet. Check whether water supply has been cut off. Check whether the metal filter in water inlet is clogged. Check whether washer has been freezing. Check whether water pressure is too low.
Water does not drain out	E2	<ul style="list-style-type: none"> Check whether the Drain Hose has been put down. Check whether the drain hose rises too high. Check whether the drain hose is clogged.
The washer does not spin	U3	<ul style="list-style-type: none"> Check whether the laundry is clumped on one side of tub. Check whether the washer is on the level surface.
	U4	<ul style="list-style-type: none"> Close the washer lid.
Does not wash	U5	<ul style="list-style-type: none"> Check whether the washer is under Child Lock. Close the washer lid.
Other troubles	E A	Press the POWER ON/OFF button, call the local service-person or dealer.
	E C	

NOTE: The Trouble indicators can be released by pressing the START/PAUSE button once if you want to release the emergency stop. Then press the START/PAUSE button again to restart the operation.

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