SERVICE MANUAL

WHASING MACHINE

DWD-FV52D2BZ



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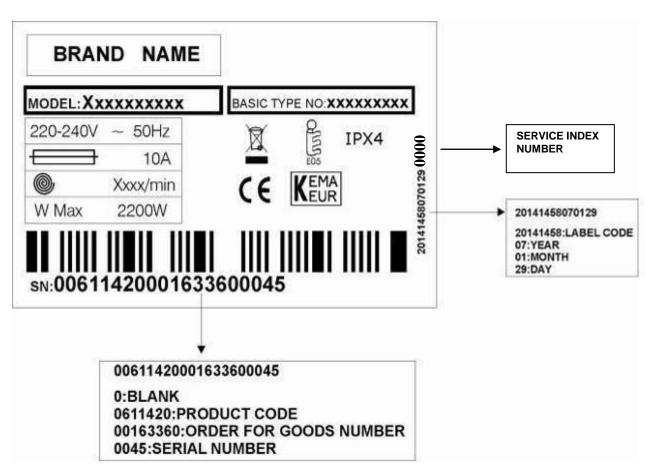
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1. Specifications

1.1. Product Specifications

| | | 42 lt | 47 lt | 49 lt | | | | | | |
|-------------------|--------|--|-------------|---------|--|--|--|--|--|--|
| Product Type |) | Front Loader | | | | | | | | |
| Capacity | | 5 kg 6 kg 7 | | | | | | | | |
| Max Spin Speed (| r/min) | 600 - 800 - 1000 - 1200 | | | | | | | | |
| Energy Efficien | ісу | | A+ | | | | | | | |
| Washing Efficier | ncy | | Α | | | | | | | |
| Spinning Efficier | ncy | 600 rpm → E 800 rpm → D 1000 rpm → C 1200 rpm → B | | | | | | | | |
| Control Pane | I | LED display | | | | | | | | |
| Wash Program | ns | | 15 settings | | | | | | | |
| | Height | 84,5 cm | 84,5 cm | 84,5 cm | | | | | | |
| Dimensions | Width | 59,7 cm | 59,7 cm | 59,7 cm | | | | | | |
| | Depth | 49,7 cm | 52,7 cm | 52,7 cm | | | | | | |
| Other Feature | | Child Lock | | | | | | | | |
| Other Feature | :8 | Delay Time | | | | | | | | |

1.2. Name Plate

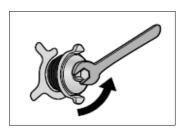


2. Installation Instructions

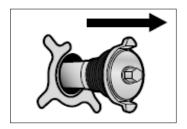
2.1. Moving and Installing

2.1.1. Removal of Transportation Screw

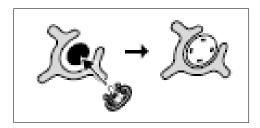
- Transportation screws, which are located at the back side of the machine, must be removed before running the machine.
- Loosen the screws by turning them anticlockwise with a suitable spanner.



3. Pull out the screws and rubber washers.



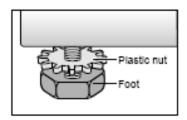
 The holes where the transport screws have been removed should be covered with the plastic transport caps found in the accessories bag.



The transportation screws that have been removed from the machine must be re-used in any future transporting of the machine.

2.1.2. Foot Adjustment

- 1. Do not install machine on rugs or similar surfaces.
- For machine to work silently and without any vibration, it should be installed on a flat, non-slippery firm surface. Any suspended floor must be suitably strengthened.
- 3. You can adjust the level of machine using its feet.
- First, loosen the plastic adjustment nut away from the cabinet base.
- Change the level by adjusting the feet upwards or downwards.
- After level has been reached, tighten the plastic adjustment nut again by rotating it upwards against the base of the cabinet.
- Never put cartons, wooden blocks or similar materials under the machine to balance irregularities of the floor.



2.1.3. Electrical Connection

- Washing machine requires a 50Hz supply of 220-240Volts.
- A special earthed plug has been attached to the supply cord of washing machine. This plug must be fitted to an earthed socket. The fuse value fitted to this plug should be 13 amps. If you have any doubts about electrical supply, consult a qualified electrician.

THIS APPLIANCE MUST BE EARTHED. Insert the machine's plug to a grounded socket which you can easily reach.

2.1.4. Water Supply Connection

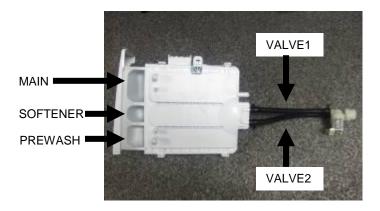
- Washing machine is supplied with a single (cold) water inlet
- To prevent leakage from the connection joints, a rubber washer is included in the hose packing. Fit this washer at the end of water inlet hose on the tap side.
- 3. Connect the hose to the water inlet valve. Tighten the plastic connector by hand. Please call a qualified plumber if you are unsure about this.
- Water pressure of 0,1-1 MPa from tap will enable machine to work more efficiently.(0,1 MPa pressure means water flow of more than 8 litres in 1 minute from a fully opened tap)

2.1.5. Drain Connection

- Make sure that water inlet hoses are not folded, twisted, crushed or stretched.
- The drain hose should be mounted at a minimum height of 60 cm, and a maximum height of 100 cm from the floor.

- After connection is complete, check for leakage by turning on tap completely.
- Make sure that water inlet hoses can not become folded, damaged, stretched or crushed when the washing machine is in its final position.
- 7. Mount the water inlet hose to a 3/4" threaded water tap.
- The end of the drain hose can be connected directly to a drainage stand-pipe or alternatively to a specific connection point designed for that purpose on the waste outlet of a sink unit.
- Do not extend the drain hose or guarantee will be invalidated.

2.2. Detergent Box Group

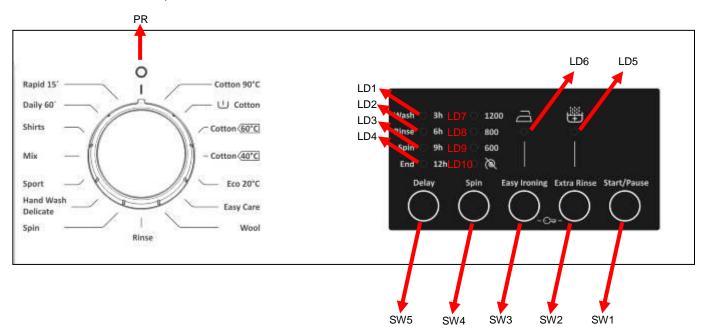


PREWASH = WATER ENTRY VALVE 1 MAIN = WATER ENTRY VALVE 2

SOFTENER = WATER ENTRY VALVE 1 + VALVE 2

3. Operating Instructions

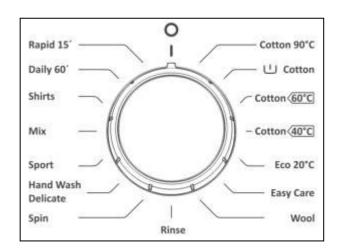
3.1. LCD Screen, Function Buttons & Knobs



| PR | Program selector 16 programs with ON/OFF. |
|------|---|
| SW1 | Switch 1, Start / Pause |
| SW2 | Switch 2 |
| | |
| SW3 | Switch 3 |
| SW4 | Switch 4 |
| SW5 | Switch 4 |
| LD1 | Switch 1- Start/ Pause Led |
| LD2 | Temperature Function Button Led |
| LD3 | Delay Time Function Button Led |
| LD4 | Extra Rinse Function Button Led |
| LD5 | Spin Phase Led |
| LD6 | Rinse Phase Led |
| LD7 | Wash Phase Led |
| LD8 | Child Lock Activation Led |
| LD9 | Door Lock Led |
| LD10 | Lack Of Water Indication Led |
| LD11 | Pump Failure Indication Led |

3.2. Program List

| KNOB POSITION | PROGRAM | | | | | | | |
|------------------|----------------------|--|--|--|--|--|--|--|
| 1 | Cotton 90°C | | | | | | | |
| 2 | Cotton Prewash | | | | | | | |
| 3 | Cotton Eco | | | | | | | |
| 4 | Cotton 40°C | | | | | | | |
| 5 | Eco 20°C | | | | | | | |
| 6 | Easy Care | | | | | | | |
| 7 | Wool | | | | | | | |
| 8 | Rinse | | | | | | | |
| 9 | Spin | | | | | | | |
| 10 | Delicate / Hand Wash | | | | | | | |
| 11 | Sports Wear | | | | | | | |
| 12 | Mix 30 | | | | | | | |
| 13 | Blouses/ Shirts | | | | | | | |
| 14 | Daily 60' | | | | | | | |
| 15 | Rapid 15' | | | | | | | |
| 16 | STOP | | | | | | | |



3.3. Program Details

Program Details for 47 It

| F ALVA 47 lt w/o TJ | Total Time (min) | Max. T (°C) | Total Water Consumption (It) | Total Energy Consumption (kwH) |
|------------------------------|------------------|----------------|---------------------------------|--------------------------------------|
| Cotton 90°C | 200 | 81 | 82 | 2,30 |
| Cotton Prewash | 165 | 57 | 95 | 1,65 |
| Cotton Eco | 200 | 57 | 49 | 1,02 |
| Cotton 40°C | 195 | 40 | 52 | 1,02 |
| Eco 20°C | 98 | 20 | 44 | 0,19 |
| Easy Care | 91 | 45 | 45 | 0,55 |
| Wool | 55 | 25 | 47 | 0,15 |
| Rinse | 42 | - | 48 | 0,10 |
| Spin | 17 | - | - | 0,05 |
| Hand Wash / Delicate | 100 | 32 | 72 | 0,35 |
| Sports Wear | 79 | 30 | 47 | 0,32 |
| Mix | 85 | 30 | 45 | 0,30 |
| Blouses / Shirts | 110 | 55 | 49 | 0,98 |
| Daily 60' | 60 | 60 | 35 | 0,90 |
| Rapid 15' | 15 | 30 | 30 | 0,10 |
| Off | | | | |
| WIT: Water Inlet Temperature | | | | |

WIT : Water Inlet Temperature

- : Programmes do not take water

Temperature may vary depending on the heating time

Durations may vary according to wash load (weight and type), tap water and ambient temperature and selected extra functions.

^{* :} Programme duration ,Energy and Water Consumption are given for the cycles for programmes are started in set temperature.

Program Details for 49 It

| F ALVA 49 lt w/o TJ | Total Time (min) | Max. T (°C) | Total Water Consumption (It) | Total Energy Consumption (kwH) |
|------------------------------|------------------|----------------|---------------------------------|--------------------------------------|
| Cotton 90°C | 203 | 81 | 84 | 2,33 |
| Cotton Prewash | 160 | 57 | 98 | 1,65 |
| Cotton Eco | 200 | 57 | 50 | 1,19 |
| Cotton 40°C | 190 | 40 | 53 | 1,00 |
| Eco 20°C | 98 | 20 | 46 | 0,20 |
| Easy Care | 91 | 45 | 46 | 0,54 |
| Wool | 55 | 25 | 48 | 0,15 |
| Rinse | 36 | - | 45 | 0,10 |
| Spin | 15 | - | - | 0,06 |
| Hand Wash / Delicate | 91 | 32 | 75 | 0,35 |
| Sports Wear | 80 | 30 | 45 | 0,32 |
| Mix | 87 | 30 | 46 | 0,28 |
| Blouses / Shirts | 106 | 55 | 50 | 0,97 |
| Daily 60' | 60 | 60 | 32 | 0,90 |
| Rapid 15' | 15 | 30 | 28 | 0,10 |
| Off | | | | |
| WIT: Water Inlet Temperature | | | | |

WIT : Water Inlet Temperature

- : Programmes do not take water

Temperature may vary depending on the heating time

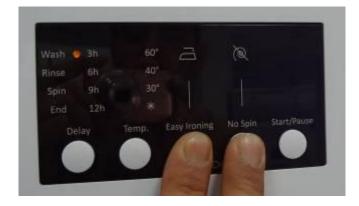
• Durations may vary according to wash load (weight and type), tap water and ambient temperature and selected extra functions.

^{* :} Programme duration ,Energy and Water Consumption are given for the cycles for programmes are started in set temperature.

3.5. Child Lock

Activation

1. Press the SW2 and SW3 buttons simultaneously for 3 sec.



2. L4 and L5 will make fast blink for 2 sec to indicate child lock is activated.



Deactivation

1. Press the SW2 and SW3 buttons simulaneously for 3 sec.



2. L4 and L5 wil make fast blink for 2 sec to indicate child lock is activated.



Child lock during the programme

1. Machine does not respond to any pressing of buttons or changing position of program knob. When the user try to change programme knob during child lock, for F2A, F2B and F2C panels , Led 4 and L5 will make fast blink for 2 sec .

In end condition

1. When cycle is finished child lock is automatically deactivated.

In Error Mode

1. Child lock will be automatically deactivated when error is detected.

4. Test Mode

4.1. Autotest

* This test is for quick checking of the product. You can not see the failure codes.

 Press SW5 button and simultaneously position program knob to 1



2. After 3 sec, door will be locked and the auto test starts.

The test steps are as below;

Step1: The pump is activated for 3 seconds and there is EPS check , the frequency value should be between the 46.04 Hz and 43.40 Hz. It checks the EPS and if it is OK it continues the autotest; if it is NOK then it should give E10 ERROR & cancels the autotest (goes to the selection mode). Also if any frequency can not be detected, then it means there is problem with connection or EPS, so it gives E10 which is EPS error and cancels the autotest.

Step2: The motor ramps to max spin for 15 seconds. While its speed rising up to the maximum speed the EV1 (prewash valve) is activated for 5 seconds and then the EV2 (wash valve) is activated for 5 seconds.

Step3: The motor reduces speed to stop (depends on the motor stop time) for 5 seconds. While it is slowing down it activates EV1 and EV2 valve, concurrently.

Step4: The motor turns to right.

Step5: The motor turns to left for 5 seconds. Test is stopped. In that period, the **option 1 led** makes fast blink.

Step6: The option 1 button is pushed



Step7: The EV1 and EV2 are activated concurrently until it reaches pressure sensor's first level frequency (Hz) for 5 seconds.

Step8: Software will detect NTC's resistance value and will check if the temperature is between $5^{\circ}\text{C} < \text{Tdetected} < 40^{\circ}\text{C}$. If it is inside the range, heating step will be done. If temperature value is outside the range, then it means NTC is detecting the temperature in a wrong way and heating step will be skipped.

For F1A, F1B, F2A,F2B and F2C "End" led will be fix on.

| | | | | | | | | | | | | Α | UT | ΟТΙ | ES1 | Γ | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|------|---|----|------|----|-----|-------|----|---|---|----|----|-----|-----|---|------|----|---------|----|----|---|---|----|---|---|---|----|---|---|--------|---|------|----|----------|---|--------------------|--------------|-------|--------|--------|
| Time in seconds (to be adjusted) | 5 | | T | 10 | | 15 | ; | 1 | 20 | | 2 | 25 | | | 3 | 0 | | 35 | | 4 | 40 | | | 4: | 5 | | | 50 | | | 5 | 5 | | 60 | <u> </u> | | | 65 | 5 | | |
| Entering autotest | | | T | | | | | П | | П | | П | | | T | | | | Т | Πİ | | | Т | | | | П | | | | \top | | | | | П | \top | \Box | П | T | П |
| Changing pow er to 220 50Hz | П | П | T | | | | | Ħ | | П | | | | | | | | | | Ħ | | | | | | | | | | | | | | | Ħ | T | T | П | П | T | П |
| Main Voltage 50 Hz | П | П | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | П | \top | П | П | \top | П |
| Door Lock Pow ered (Depends on door | П | П | T | | | | T | П | T | П | | T | | | T | | | | T | П | T | П | T | | | T | | | T | П | | | | | | П | T | П | П | 1 | П |
| lock) | | | | | | | | Н | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | l | | H |
| Motor Ramp to max spin (max. is 15 sec.) | | П | | | | | | | | | | | | | | | | | | П | | | | | | | | | | | | | | | П | П | Т | П | | | П |
| Time until motor is stopped (Depends on | | П | | | | | | П | | П | | | | | | П | | | | П | | | | | | | | | | | | | | | П | П | T | П | П | | П |
| the motor stop time) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Ш | | | | i | | 1 |
| Motor Preferred Run (Direction to Right) | | П | | | | | | П | | П | | | | | | П | | | | П | | | | | | | | | | | | | | | П | Т | Т | П | П | | П |
| Motor Inverse Run (Direction to Left) | | | | | | | | | | П | | | | | | | | | Т | | | | | | | | | | | | | | | | | Т | Т | П | П | T | П |
| EV1 (flow rate dependent of washer) | | П | | | | | П | | | | | | | | | | | | П | | | | Т | | | | | | | | | | | | П | П | Т | П | П | Т | П |
| EV2 (flow rate dependent of washer) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | П | m I | \prod | | | |
| Test stopped until Prew ash button is | | | | | | | | | | П | | | | | | | | | | | | | | | | | | | | | | | | | | Т | Т | П | П | T | П |
| pressed (symbol blinking) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | \perp | Ш | Ш | | Ш |
| EV1 + EV2 valves up to first level | | | | | | | | | | П | | | | | | | | | | | | | | | | | | | | | | | | | | П | Т | П | П | | П |
| frequency (Depends on the water level) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | i | | i l |
| (If machine is a hot water one, take water | | | | | | | - 1 | | | Ш | | | | | | | | | | | | | | | | | | | | | | | | | | | | | l | | il |
| from Hot Valve) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Ш | \perp | $oxed{oxed}$ | Ш | | Ш |
| NTC check | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heather resistance | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Ш | Ш | | | | | Ш |
| Pump | | | | | | | | Ш | | | | | | | | | | | | | | | | | | | | | | | | | | | | | \perp | \coprod | | | |
| EPS measurement | | | | | | | | | | | | | | | Ī | | | | Ι | | | | | | | | | | | | | | | | | | $oxed{\mathbb{L}}$ | \coprod | | | Ш |
| Wash Led (LD1) (For F1 and F2) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | \perp | $oxed{oxed}$ | Ш | | Ш |
| Rinse Led (LD2) (For F1 and F2) | | | | | | | | | | | | | | | | | | | \prod | | | | | | | | | | | | | | | | | | $oxed{oxed}$ | \prod | | | \Box |
| Spin Led (LD3) (For F1 and F2) | | | | | | | | | | | | | | | Ī | | | | Ι | | | | | | | | | | | | | | | | | | $oxed{\mathbb{L}}$ | \coprod | | | Ш |
| End Led (LD4) (For F1 and F2) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

5. Service Mode

5.1. Service Autotest

End users can only see E1-E2-E3-E4. During service autotest, other failures can be seen.

- 1. To activate service autotest, Press SW4 button and simultaneously position program knob to 1.
- 2. After 3 sec, door will be locked, after door is locked, all leds will be fix OFF and machine will get into service autotest mode.

| | Selector Position 1 | Selector Position 2 | Selector Position 3 |
|------------|---|------------------------|---|
| | Result | Result | Result |
| | HEATER ON | PUMP ON | TEST PROGRAM ON |
| Comments : | When entering in service test, door will be locked. | | Test is over Door will be unlocked, machine will go to ENS state. |

The test steps are as below;

Step 1 :

Selector Position 1 will be "HEATER ON"

Before heating it should take water till first level frequency then start heating.

Heater will be on max. 8 minutes. If temperature doesn't increase 2 $^\circ$ C in 8 minutes, machine will give NTC failure. (E05).

Or if the NTC connection is broken then it should give again E05 NTC failure.

At the end of heating, "SAU" visualization should make slow blink to indicate that the step is over.

Note : If user changes the selector position, machine will do what is defined for the new selected position.

Step 2 :

Selector Position 2 will be "PUMP ON"

Temperature will be measured, if it is higher than 50 $^{\circ}$ C, it should take 60 sec. cooling water, and then make "Drain + 5 sec."

At the end of pump activation, "SAU" visualization should make slow blink to indicate that the step is over.

Step 3 :

Selector Position 3 will be 15 minutes test program.

So machine will make exactly the same algorithm of 15 minutes test program.

At the end of 15 minutes test program "END" is visualized and door is unlocked. During test pressing other buttons makes no change.

LD1 Start / Pause button Led \rightarrow ON

LD6 Wash Phase Led \rightarrow Off

LD7 Rinse Phase Led \rightarrow Off LD8 Spin Phase Led \rightarrow Off

LD9 Door Lock Led → When the door is unlocked it will be off

LD2, LD3, LD4 → Off

Display → "END"

5.2. Failure Codes

| Error Indication | Error Number | Indication For User | Indication For Service |
|--|----------------|---------------------|------------------------|
| Enoi maication | Elloi Nullibei | Yes/No | Yes/No |
| Door is not locked | E01 | Yes | Yes |
| Door is unlocked during programme | E01 | Yes | Yes |
| Lack of water | E02 | Yes | Yes |
| Pump failure | E03 | Yes | Yes |
| Overflow | E04 | Yes | Yes |
| NTC or Heater Failure | E05 | No | Yes |
| Motor Failure - 1 (Tachometer open-short circuit or motor connector is disconnected) | E06 | No | Yes |
| Motor Failure - 2 (triac short circuit) | E08 | No | Yes |
| Electronic Pressure Sensor | E10 | No | Yes |

6. Troubleshooting Guide

All repairs which must be done on the machine should be done by authorized agents only. When a repair is required for machine or you are unable to eliminate the failure with the help of the information given below:

- Unplug the machine.
- Close the water tap.

| FAILURE | PROBABLE CAUSE | METHODS OF ELIMINATION | | | | | | |
|---------------------------|--|--|--|--|--|--|--|--|
| | It is unplugged. | Insert the plug into the socket. | | | | | | |
| | Fuse is defective. | Change fuse. | | | | | | |
| Machine deservet | Start / Pause button has not been pressed. | Press the start / pause button. | | | | | | |
| Machine does not operate. | The program knob is in 0 (off) status. | Bring the program knob on the desired status. | | | | | | |
| | The door is not shut properly. | Shut the door properly. You should hear the click. | | | | | | |
| | Child lock is active. | See page 9. | | | | | | |
| | Water tap is closed. | Open water tap. | | | | | | |
| | The water inlet hose may be bent. | Check the water inlet hose. | | | | | | |
| Machine does not | The water inlet hose is obstructed. | Clean the filters of water inlet hose. | | | | | | |
| receive water. | The water inlet filter is obstructed. | Clean the valve inlet filters. | | | | | | |
| | The door is not shut properly. | Shut the door properly. You should hear the click. | | | | | | |
| | The drain hose is obstructed or bent. | Check the drain hose. | | | | | | |
| Machine is not | The pump filter is obstructed. | Clean the pump filter. | | | | | | |
| draining water. | The clothes are not placed inside the machine in a well-balanced manner. | Spread the clothes inside the machine in an orderly and well-balanced manner. | | | | | | |
| | The feet of machine are not adjusted. | Adjust the feet. | | | | | | |
| | Transportation screws are not removed. | Remove transportation screws. | | | | | | |
| Machine is vibrating. | There is a small amount of clothes in the device. | It does not prevent operation of the machine. | | | | | | |
| | Excessive amount of clothes are filled in the machine or the clothes are not placed in a well-balanced manner. | Do not exceed the recommended quantity of clothes and spared clothes in the machine in a well-balanced manner. | | | | | | |

| FAILURE | PROBABLE CAUSE | METHODS OF ELIMINATION | | | | | |
|--|--|--|--|--|--|--|--|
| Excessive foam in the detergent drawer | Too much detergent has been used. | Press the start/pause button. In order to stop the foam, dilute one table-spoon of softener in half liter of water and pour it in the detergent drawer. Press the start/pause button after 5-10 minutes. Arrange the amount of the detergent properly in the next washing process. | | | | | |
| | Wrong detergent has been used. | Use only the detergents produced for full automatic machines. | | | | | |
| The washing result | Laundry too dirty for the program you have selected. | Select a suitable program. | | | | | |
| is bad. | The amount of detergent used is not sufficient. | Use more detergent according to the detergent. | | | | | |
| | Clothes exceeding the maximum capacity has been filled in machine. | Put the clothes in machine in a manner not to exceed its maximum capacity. | | | | | |
| The washing result is not good. | Water may be hard. | Use the amount of detergent according to the declaration of the detergent producer. | | | | | |
| | Distribution of the clothes in machine is not well-balanced. | Spread the clothes inside the machine in an orderly and well-balanced manner. | | | | | |
| The water is seen in the drum during washing. | No failure. The water is at the lower part of the drum. | | | | | | |
| There are residues of detergent on the clothes. | The pieces of some detergents which do not dissolve in water may stick to clothes as white stains. | By calibrating machine for "Rinsing" program, make an additional rinsing or eliminate the stains After drying with the help of a brush. | | | | | |
| There are grey stains on the clothes. | These stains may be caused by oil, cream or ointment. | In the next washing operation, use the maximum detergent amount declared by the detergent producer. | | | | | |
| The spinning process is not done or starts with delay. | No failure. The unbalanced load control works in that way. | The unbalanced load control system will try to distribute clothes in a homogenous manner. After clothes are distributed, passage to spinning process will be realized. In the next washing process, place clothes into the machine in a well-balanced manner. | | | | | |

7. Disassembly and Assembly Instructions

7.1. Top Plate

1. Remove two screws that fix the top-plate at the back.



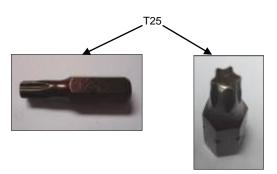
2. Push the top-plate back and pull it up.



7.2. Door

1. Remove two screws that fix the door. (by using the T25)





2. Pull the door up.



3. Remove screws that fix the door group.



4. Put the door outside plastic with helping screwdriver as it is shown in the picture.



5. Remove the door inside plastic as it is shown in the picture.



Remove six screws that fix the door hinge as it is shown in the picture.



8. Remove the door handle pim as it is shown in the picture.



7. Remove the door handle as it is shown in the picture.



7.3. Tub Bellows Seal

 First remove the spring wire fixing the tub bellows seal by using the small size screw driver.
 Pull the tub bellows seal as it is shown in the picture.



2. Remove the tub bellows seal-body fixing spring.



7.4. Detergent Drawer

1. Remove the detergent drawer and pull it up carefully





7.5. Control Panel

 Remove the screw which fix the control panel to the front panel.



2. Remove three screws fixing the control panel.



3. Pull the control panel up.



4. Press the button as shown in the picture.



5. Remove the cable group as it is shown in the picture.



6. Remove electronic card cover as it is shown in the picture by using small screw driver.





7. Remove electronic card as it is shown in the picture.



8. Push clips to remove to selection button as it is shown in the Picture.



9. Remove selection button as it is shown in the Picture.



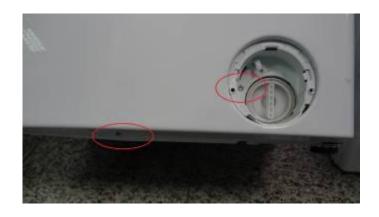
7.6. Front Panel

1. Remove the pomp cover as it is shown in the picture.





2. Remove two screws fixing bottom the front panel.







3. Remove two screws fixing upper the front panel.



 Remove two screws fixing door lock it is shown in the picture.



5. Remove two screws fixing the body group at the front as it is shown in the picture.





6. Lift upper support braket up slightly it it ishown in the picture.



7. Remove the pump cover housing as it is shown in the picture.







8. Remove the front panel as it is shown in the picture.



7.7. Detergent Drawer Housing

 Remove detergent drawer group two clips fixing the upper support bracket as it is shown in the picture.



Remove the tub seal clamp by using the pliers, which is attached to the detergent drawer housing.



2. Remove the four connectors that is connected to the feed valve as it is shown in the picture.



3. Turn the feed valve counter clockwise slightly to remove.



4. Remove the detergent drawer screw.



5. Remove the detergent drawer housing assembly.



7.8. Power Cable Group and Parazit Filter

 Remove the five conectors that is connected to the parasite filter.



2. Remove two screws fixing the parasite filter.



3. Pull the power cable group up as it is shown in the picture.



 Remove parasite fitler fixing body group as it is shown in the picture.



7.9. Electronic Pressure Switch (EPS)

1. Remove the connector that is connected to the EPS.



2. Pull the EPS upward to remove as it is shown in the picture.

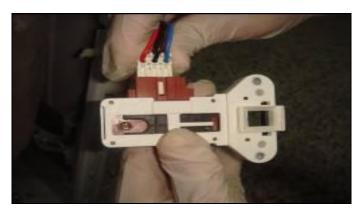


3. Remove the eps hose handcuffs and eps hose as it is shown in the picture.



7.10. Door Lock

1. Remove the connector that is connected to the door lock.



7.11. Pump Motor

1. Remove pipe clip that fixes the drain hose.



2. Remove pipe clip fixing the tub outlet hose.



3. Remove the connector that is connected to the pump motor.



4. Remove four screws fixing the pump motor.



7.12.

Front Counterweight
Remove four screws fixing the front counterweight on the front. (Box wrench size 13 mm)



Pull the counterweight back



7.13. Heater

1. Remove the four connectors that is connected to the heater.



Remove one nut fixing the heater slightly (box wrench size 8 mm)



3. Hold the heater and pull it out.



7.14. Tub Bellows Seal

1. Remove the tub gasket clip by using small screwdriver.



Hold the tub bellows seal and gasket-body fixing spring together, and pull them up.



7.15. Transport Screw

1. Remove four transport screws (box wrench size 10 mm)



2. Hold the transport screw and pull it out.



7.16. Upper Counterweight

 Remove two screws fixing the upper counterweight by using box wrench size 13 mm.



2. Remove the upper counterweight



7.17. Washing Group

1. Remove the connector that is connected to the motor.



2. Cut the five lead wire holders as shown the pictures.



A

c)





3. Remove the four screws fixing the spring hanger sheet iron.

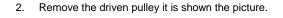


4. Remove the washing group as it is shown in the picture.



7.18. Shock Absorber PIN

 Remove two pins fixing the shock absorber as shown in the picture.





7.19. Belt

1. Remove the belt as it is shown the picture.



7.20. Driven Pulley

 Remove the screw fixing driven pulley it is shown the picture (By using T40).





7.21. Motor

1. Remove the four screws fastening the motor under the tub by using T40



2. Pull the motor up for disassembly.



7.22. Tub Entrance with Bellow Hose

1. Remove the tub entrerance with bellow hose.



7.23. Pressure Switch Hose Group

1. Remove screw fixing the pressure switch water reservoir.



Remove the tub exit with bellow hose with ball by using box wrench size 10 mm.



7.24. Tub

Remove twenty four screws fixing tub using box wrench size
 8 mm





7.25. Drum

1. Remove the drum.



Component Specifications 8.

8.1. **Drain Pump**

Drain pump is both a mechanical and elektrical component which is used to drain water inside the washing machine. It has an synchronous motor inside. For better performance maintanance, pump filter should be cleaned regularly.



8.1.1. **Technical Features**

Nominal voltage Nominal current 220 - 240 V 0.28 A (±10 %) Nominal power 37 W Frequency Resistor (coil) Water flow: 50 Hz 130 Ω (±5%)

17 L/min(to 1 m height)

Thermal protector

8.1.2. **Checking of Component**

Check the resistance value on the component with multimeter as shown in belows figures.

Resistance value should be between 125- 140 Ω





Checking the component

8.2. Resistance

Heating element (Resistance) is a component which is desingned to regulate temperature of water inside the drum. It has three connections: Phase, notral and ground connections.



8.2.1. **Technical Features**

Kind of heating Tubular heating element with NTC - sensor

Nominal voltage Nominal power 230 V

2000 W (±5%) 24,8 ±5% Ω (for NA-127VB3 and NA-147VB3) Resistance

Thermal fuse 2 – sided

8.2.2. **Checking of Component**

Check the resistance value on the component with multimeter as shown in below pictures.





Checking the component

8.3. NTC

Component which sends signals to PCB about the water temperature inside the tub.

The Resistance (Ohm) value of the NTC decreases as the temperature increases.



8.3.1. Technical Features

| Tem (°C) | R min (kΩ) | R max (kΩ) | | | | | | |
|----------|------------|------------|--|--|--|--|--|--|
| -10 | 54,9 | 62,6 | | | | | | |
| -5 | 43,0 | 48,6 | | | | | | |
| 0 | 33,9 | 38,1 | | | | | | |
| 5 | 27,0 | 30,1 | | | | | | |
| 10 | 21,6 | 23,9 | | | | | | |
| 15 | 17,4 | 19,1 | | | | | | |
| 20 | 14,1 | 15,4 | | | | | | |
| 25 | 11,5 | 12,5 | | | | | | |
| 30 | 9,4 | 10,2 | | | | | | |
| 35 | 7,8 | 8,3 | | | | | | |
| 40 | 6,4 | 6,9 | | | | | | |
| 45 | 5,4 | 5,7 | | | | | | |
| 50 | 4,5 | 4,7 | | | | | | |
| 55 | 3,8 | 3,9 | | | | | | |
| 60 | 3,2 | 3,3 | | | | | | |
| 65 | 2,7 | 2,8 | | | | | | |
| 70 | 2,3 | 2,4 | | | | | | |
| 75 | 1,9 | 2,0 | | | | | | |
| 80 | 1,7 | 1,8 | | | | | | |
| 85 | 1,4 | 1,5 | | | | | | |
| 90 | 1,2 | 1,3 | | | | | | |
| 95 | 1,1 | 1,1 | | | | | | |
| 100 | 0,9 | 1,0 | | | | | | |

NTC Tempure – Resistance Values

8.3.2. Checking of Component

Check the resistance value on the component with multimeter as shown in below pictures.





Checking the component

8.4. Valve

Valve is an electrical and mechanical component which is designed to take water from the network system into the washine machine. It is operated by PCB card.



8.4.1. Technical Features

 $\begin{array}{lll} \mbox{Nominal voltage} & 220 - 240 \mbox{ V} \\ \mbox{Nominal power} & 8 \mbox{ VA} \\ \mbox{Frequency} & 50-60 \mbox{ Hz} \\ \mbox{Rated flow:} & 7 \mbox{ lt/min (\pm15 $\%$)} \\ \mbox{Operating water pressure} & 0.0,3-1 \mbox{ Mpa} \end{array}$

8.4.2. Checking of Component

Check the resistance value on the component with multimeter as shown in below pictures.

Valve water flow rate should be between 6 lt/min - 8 lt/min.

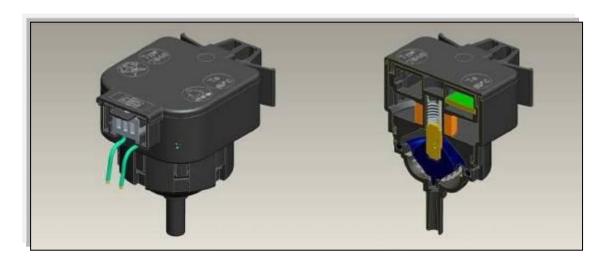
Each valve bobbin resistance values should be between $\,$ 3,3 - 4.2 kohm .





Checking the component

8.5. Electronic Pressure Switch (EPS)



8.5.1. Technical Features

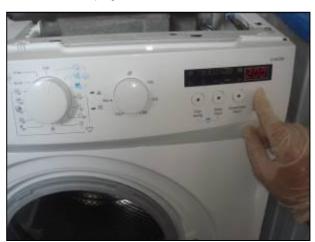
Electromagnetic field occurs as a result of the vibration of the membrane which is under pressure in the coil. The nucleus part is moved up and down by the electromagnetic field. The water level is regulated by the frequency which is controlled by the PCB and changes according to the movement of the nucleus part.

8.5.2. Checking of Component

1. Push the door lock slider with screwdriver.



5. Select the 1st program and start the machine.



6. Cut off the energy input when the water intake finishes and drum begins to rotate.



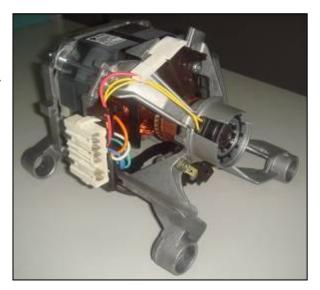
Check the water level inside the drum with ruler. It should be 10 cm ±1.

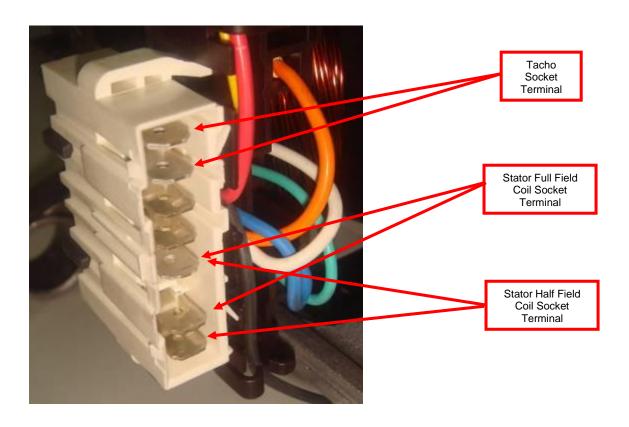


8.6. Motor

The washing machine has an asynchronous motor. It is controlled by the PCB.

It is essential to check the motor for correct diagnosis and quick servicing. In the below picture, socket points on the motor is shown to measure with multimeter.





Motor Socket Terminals

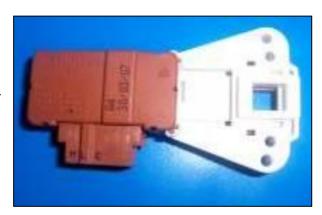
Tacho and stator (full field-half field) ohm resistance values for the motor types are listed in the below table.

| MOTOR KODU | FİRMA | STATOR (TAM SARGI) (ohm) | TAKO (ohm) | STATOR (YARIM SARGI) (ohm) | SICAKLIK |
|---------------|----------------|-----------------------------|------------|-------------------------------|----------|
| 32003986 | ACC | 3.30-/+ 7% | 184-/+7% | 1.20-/+7% | 20 °C |
| 32004905 | ACC | 2.70-/+ 7% | 184-/+7% | 1.04-/+7% | 20 °C |
| 32006966 | ACC | 3.00-/+ 7% | 184-/+7% | 1.50-/+7% | 20 °C |
| 32007450 | ACC | 2.70-/+ 7% | 184-/+7% | 1.08-/+7% | 20 °C |
| 32004572 | ACC | 1.20-/+ 7% | 184-/+7% | 0.60-/+7% | 20 °C |
| 32008809 | ACC | 0.96-/+ 7% | 184-/+7% | - | 20 °C |
| 30027193 | ANAIMEP | 1.87-/+7% | 180-/+10% | - | 20 °C |
| 30023397 | ANAIMEP | 1.75-/+7% | 180-/+10% | - | 20 °C |
| 32002064 | ANAIMEP | 2.01-/+7% | 180-/+7% | - | 20 °C |
| 32003425 | ANAIMEP | 2.01-/+7% | 180-/+7% | - | 20 °C |
| 32000536 | ASKOLL (CESET) | 1.01-/+7% | 68.7-/+7% | - | 20 °C |
| 32000271 | ASKOLL (CESET) | 1.40-/+7% | 68.7-/+7% | 0.56-/+7% | 20 °C |
| 32000535 | ASKOLL (CESET) | 1.24-/+7% | 68.7-/+7% | - | 20 °C |
| 30027193 | ASKOLL (CESET) | 2.26-/+7% | 68.7-/+7% | - | 20 °C |
| 32008661 | ASKOLL (CESET) | 1.90-/+7% | 68.7-/+7% | 0.74-/+7% | 20 °C |
| 30023397 | ASKOLL (CESET) | 1.83-/+7% | 68.7-/+7% | - | 20 °C |
| 32004970 | ATB | 1.62-/+ 7% | 87-/+12% | - | 20 °C |
| 32004969 | ATB | 1.62-/+ 7% | 87-/+12% | 0.81-/+7% | 20 °C |
| 32009041 | ATB | 1.62-/+ 7% | 87-/+12% | 0.81-/+7% | 20 °C |
| 32004968 | ATB | 1.20-/+ 7% | 87-/+12% | - | 20 °C |
| 32009040 | ATB | 1.20-/+ 7% | 87-/+12% | - | 20 °C |
| 32008659 | BROAD OCEAN | 2.15-/+7% | 66.7-/+7% | - | 20 °C |
| 32008660 | BROAD OCEAN | 2.15-/+7% | 66.7-/+7% | - | 20 °C |
| 32005496 | IDEA | 4.60-/+7% | 227-/+7% | - | 20 °C |
| 32007954 | WELLING | 2.08-/+7% | 66.6-/+7% | - | 20 °C |
| 32007955 | WELLING | 1.59-/+7% | 66.6-/+7% | - | 20 °C |
| 32008852 | WELLING | 2.00-/+7% | 66.6-/+7% | - | 20 °C |
| 32008853 | WELLING | 2.15-/+7% | 66.6-/+7% | - | 20 °C |

Resistance values for the motor types

8.7. Door Lock

Door lock is activated at the beginning of the program in order to prevent the door from opening. It can be unlocked approximately after 2 minutes of the program end. This time delay is caused by the PTC which is assambled in the door lock.



8.7.1. Technical Features

8.7.2. Checking of Component

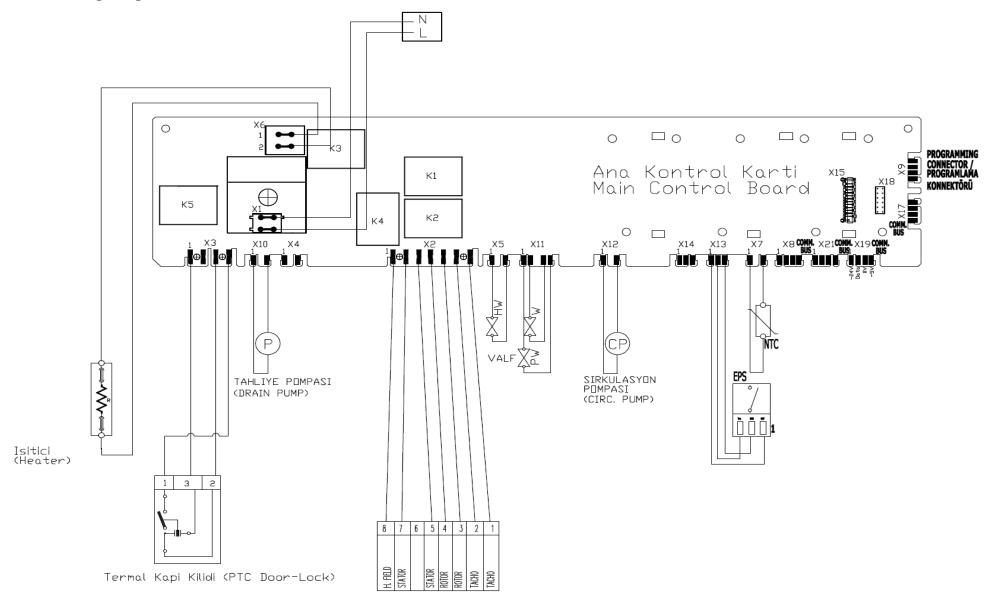
Check the resistance value on the component with multi-meter as shown in below figures. Resistance value on the PTC should be 1000 Ω ±50% at 25 °C. That resistance value can be measured from terminal 3-4 (See wiring diagram page 51 below).





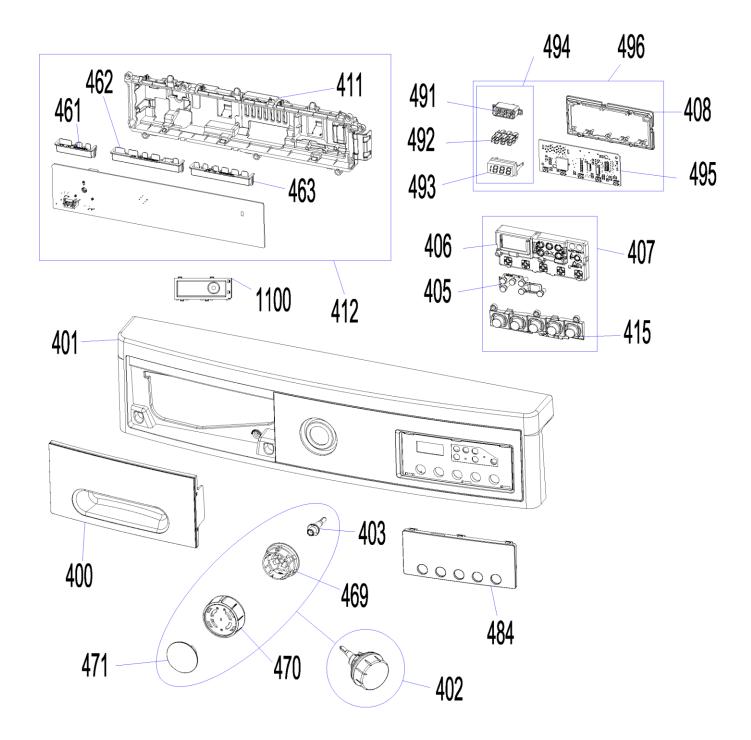
9. Wiring Diagram

9.1. Wiring Diagram





1. CONTROL PANEL PARTS



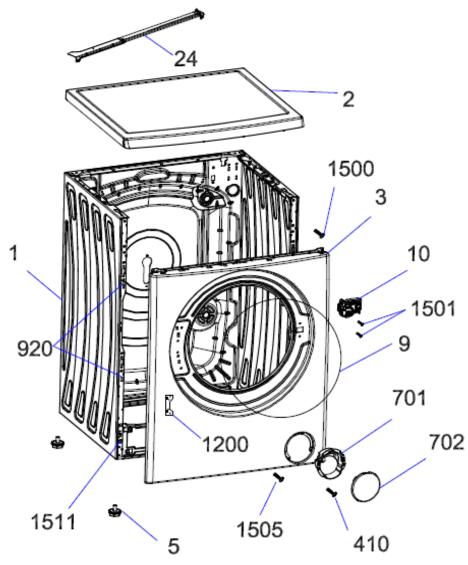


DWD-FV5*** EXPLODED VIEW

| NO | PART NAME | QUANTITY | |
|------|--|----------|--|
| 400 | DETERGENT DRAWER COVER | 1 | |
| 401 | CONTROL PANEL | 1 | |
| 402 | PR. ADJUSTMENT KNOB GR (470+471) | 1 | |
| 403 | PROGRAMME ADJUSTMENT SHAFT | 1 | |
| 405 | LIGHT GUIDE DUO | 1 | |
| 406 | CARD BOX | 1 | |
| 407 | F4 BUTTON-LIGHT GUIDE GROUP | 1 | |
| 408 | CARD FRAME | 1 | |
| 411 | PCB BOX | 1 | |
| 412 | ELECTRONIC CARD | 1 | |
| 415 | TRIPLE SELECTION BUTTON | 1 | |
| 461 | SOCKET HOLDER-F1 | 1 | |
| 462 | SOCKET HOLDER-F2 | 1 | |
| 463 | SOCKET HOLDER-F3 | 1 | |
| 469 | PROGRAM ADJ. INSERT | 1 | |
| 470 | PROGRAM ADJ. KNOB | 1 | |
| 471 | PROGRAM ADJ. KNOB COVER | 1 | |
| 484 | DISPLAY | 1 | |
| 491 | DISPLAY 1888 BASE | 1 | |
| 492 | DISPLAY 1888 LIGHT GUIDE | 1 | |
| 493 | DISPLAY 888 COVER/PARDUS | 1 | |
| 494 | DISPLAY 1888 GROUP | 1 | |
| 495 | E.KART F4 UI 7S + Buzzer DISPLAY | 1 | |
| 496 | F4.CARD GR. | 1 | |
| 500 | CONTROL PANEL GROUP (indicated for the website) | 1 | |
| 1100 | PCB BOX REAR COVER | 1 | |



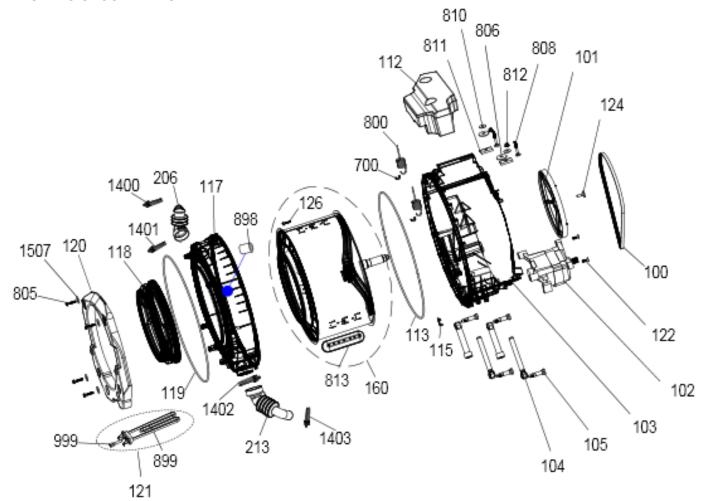
2. FRONT PANEL PARTS



| REF. NO | PART NAME | QTY |
|---------|--|-----|
| 1 | BODY GROUP PAINTED | 1 |
| 2 | UPPER TRAY GROUP | 1 |
| 3 | FRONT PANEL GROUP | 1 |
| 5 | ADJUSTABLE FEET GR. | 4 |
| 9 | HOUSING FRAME BELLOW CLIP-PHYTON | 1 |
| 10 | DOOR LOCK | 1 |
| 24 | UPPER SUPPORT BRAKET | 1 |
| 701 | PUMP COVER HOUSING | 1 |
| 702 | PUMP COVER | 1 |
| 920 | FRONT PANEL DROP FIXING PLASTIC-II | 4 |
| 1200 | HINGE SUPPORT SHEET | 1 |
| 1500 | ST 4,2X9,5 TRTSB | 2 |
| 1501 | ISO 7049 ST 4,2X16 TORX | 2 |
| 1504 | ISO 7049 ST 4,2X13 TORX | 4 |
| 1505 | ST 4,8X9,5 PAN HE.WITH COL.TORX UN.SER.E | 2 |
| 1511 | FRONT PANEL DROP FIXING PLASTIC-I-B | 2 |
| 410 | SCREW 4X12 TORX PAN HE.W.COL.UND.HE.SER. | 1 |



3.WASHING GROUP PARTS



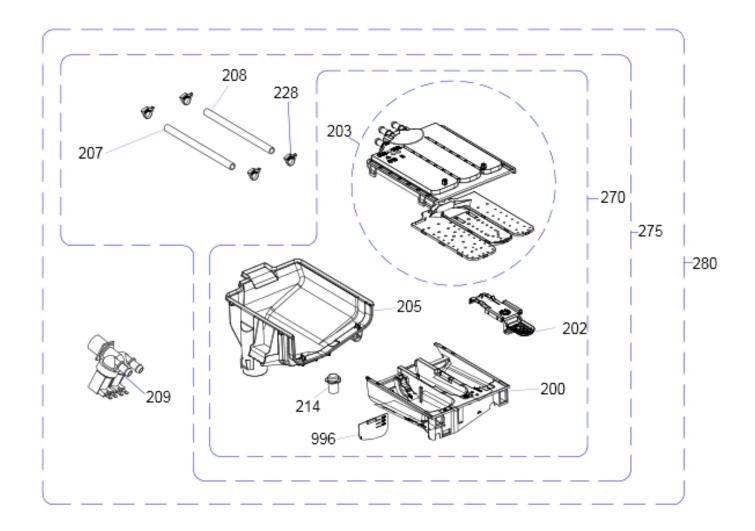


DWD-FV5*** EXPLODED VIEW

| NO | PART NAME | QUANTITY |
|------|--|----------|
| 100 | BELT | 1 |
| 101 | DRIVEN PULLEY | 1 |
| 102 | MOTOR | 1 |
| 103 | REAR TUB GROUP | 1 |
| 104 | SHOCK ABSORBER | 2 |
| 105 | SHOCK ABSORBER PIM | 2 |
| 112 | UPPER COUNTERWEIGHT | 1 |
| 113 | TUB SEAL | 1 |
| 115 | RESISTANCE FIXING WIRE | 1 |
| 117 | FRONT TUB | 1 |
| 118 | TUB BELLOWS SEAL | 1 |
| 119 | TUB BELLOW CLIP | 1 |
| 120 | FRONT COUNTERWEIGHT | 1 |
| 121 | RESISTANCE GROUP | 1 |
| 122 | COUNTERSUNK HEAD BOLT 8X25 TORK | 2 |
| 124 | COUNTERSUNK HEAD BOLD M 8X29 | 1 |
| 126 | HEXAGON HEAD BOLT 6 X 30 | 12 |
| 160 | DRUM GROUP | 1 |
| 206 | TUB ENTERANCE WITH BELLOW HOSE | 1 |
| 213 | TUB EXIT WITH BELLOW HOSE | 1 |
| 700 | TUB HANGER SPRING PART | 2 |
| 800 | HANGER SPRING | 2 |
| 806 | DUZ RONDELA 8.4X28X3 | 2 |
| 807 | HEXAGON HEAD BOLT | 4 |
| 808 | WASHER 8,4X28X3 | 4 |
| 809 | WASHER 8,5X35X3 | 2 |
| 811 | UPPER CONCRETE SUPPORT SHEET IRON PART | 2 |
| 812 | NUT M8 | 2 |
| 813 | PLASTIC LIFTER | 1 |
| 810 | UPPER COUNTERWEIGHT WASHER 9X30X3 | 3 |
| 898 | PSW HOSE MOUNTING RUBBER | 2 |
| 899 | RESISTANCE WITHOUT NTC | 1 |
| 999 | NTC | 1 |
| 1400 | SCREWED HOSE CLAMP Ø65 | 1 |
| 1401 | SPRING TYPE BANT CLAMP | 1 |
| 1402 | HOSE CLAMP SCREW TYPE Ø72 | 1 |
| 1403 | HOSE CLAMP Ø38,8 | 1 |
| 1507 | DÜZ RONDELA 10.5X30X2.5 | 4 |



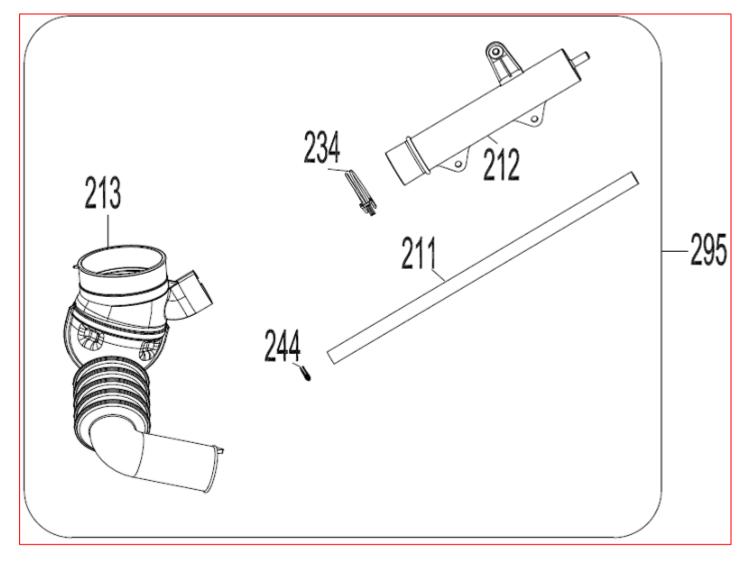
4.DETERGENT DRAWER GROUP



| NO | PART NAME | QUANTITY |
|-----|--------------------------------|----------|
| 200 | DETERGENT DRAWER | 1 |
| 202 | SIPHON COVER | 1 |
| 203 | WATER DISTRIBUTION PLATE GROUP | 1 |
| 205 | DETERGENT DRAWER HOUSING | 1 |
| 207 | VALVE-DETERGENT BOX HOSE | 1 |
| 209 | VALVE(TWO EXIT) | 1 |
| 214 | DETERGENT DRAWER LOCKING PART | 1 |
| 228 | PLASTIC HOSE CLAMP | 6 |
| 996 | LIQUID DETERGENT LEVEL PLATE | 1 |
| 270 | DETERGENT BOX GROUP | 1 |
| 275 | DETERGENT BOX GROUP/HOSE | 1 |
| 280 | DETERGENT BOX GROUP/FULL | 1 |



5. PRESSURE SWITCH HOSE GROUP

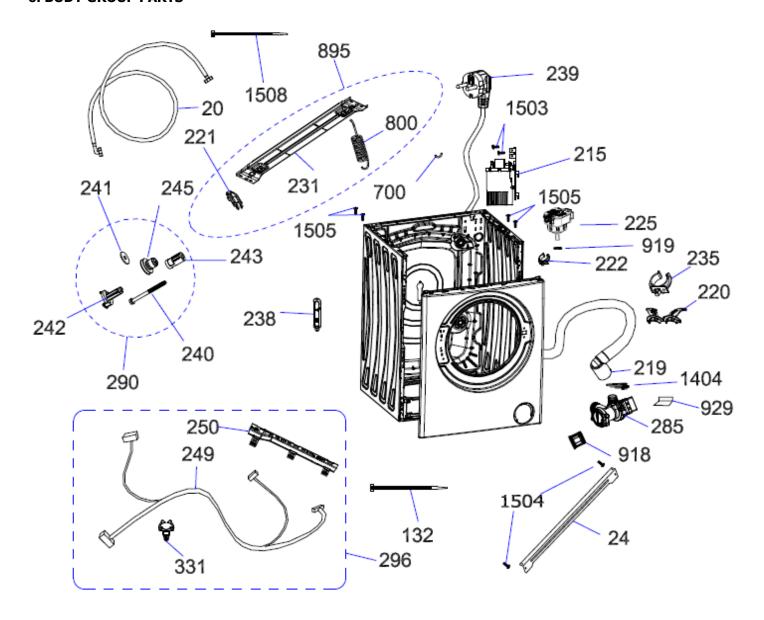


| NO | PART NAME | QUANTITY |
|-----|---------------------------------|----------|
| 213 | TUB EXIT WITH BELLOW HOSE | 1 |
| 212 | PRESSURE SWITCH WATER RESERVOIR | 1 |
| 211 | PRESSURE SWITCH HOSE | 1 |
| 234 | HOSE CLAMP Ø32,7 | 1 |
| 244 | HOSE CLAMP Ø9,6 | 1 |
| 295 | PRESSURE SWITCH HOSE GROUP | 1 |

213-212-211-234-244------PRESSURE SWITCH HOSE GROUP



6. BODY GROUP PARTS



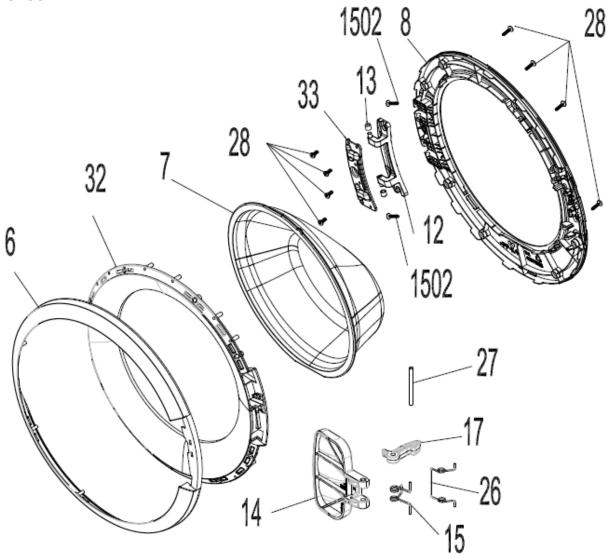


DWD-FV5*** EXPLODED VIEW

| REF. NO | PART NAME | QTY |
|---------|---|-----|
| 20 | WATER ENTRY HOSE GROUP | 1 |
| 24 | UPPER SUPPORT BRACKET | 1 |
| 285 | PUMP GROUP | 1 |
| 220 | DRAIN HOSE ROUTER PLASTIC | 1 |
| 219 | DRAIN HOSE | 1 |
| 225 | ELECTRONIC PRESSURE SENSOR | 1 |
| 215 | EMI FILTER | 1 |
| 296 | CABLE GR | 1 |
| 249 | CABLE HARNESS | 1 |
| 250 | CABLE HARNESS HOLDER PLS | 1 |
| 331 | LOCKING WIRE SADDLE (BLUE) | 1 |
| 895 | SPRONG HANGER BRACKET GROUP | 1 |
| 800 | TUB SPRING | 2 |
| 231 | SPRING HANGER BRACKET | 1 |
| 221 | HANGER SPRING BRACKET PLS. | 2 |
| 700 | TUB HANGER SPRING PART (PLASTIC HOUSING PART BETWEEN TUB AND SPRING HOOK) | 2 |
| 235 | DRAIN HOSE HOLDING PLS | 4 |
| 239 | POWER CORD GROUP | 1 |
| 222 | PRESSURE SWITCH MOUNTING CLIP | |
| 238 | SPEED CONTROL HOLE STOPPER | 1 |
| 290 | TRANSPORT SCREW GROUP-II | 4 |
| 242 | TRANSPORT SCREW PLASTIC-A-II | 4 |
| 243 | TRANSPORT SCREW PLASTIC-B-II | 4 |
| 240 | TRANSPORT SCREW | 4 |
| 245 | TRANSPORT SCREW EPDM | 4 |
| 241 | PLAIN WASHER 8,30X29X2 | 4 |
| 132 | CABLE TIE(YKB150) | 7 |
| 918 | PUMP FILTER | 1 |
| 919 | HOSE CLAMP Ø8,6 | 1 |
| 1404 | HOSE CLAMP.Ø35,0 | 1 |
| 1503 | ST 4,2X9,5 PAN HEAD W.COL.T.UNDER.SER.EA | 2 |
| 1504 | ISO 7049 ST 4,2X13 TORX | 4 |
| 1505 | ST 4,2X9,5 TRTSB | 4 |



7. DOOR GROUP



| NO | PART NAME | QUANTITY | |
|------|--|----------|--|
| 6 | PORTHOLE OUTER PLASTIC | 1 | |
| 7 | DOOR GLASS | 1 | |
| 8 | PORTHOLE INNEER PLASTIC | 1 | |
| 12 | SHEET METAL HINGE GROUP | 1 | |
| 13 | HINGE PLASTIC | 2 | |
| 14 | DOOR HANDLE | 1 | |
| 15 | HOOK SPRING | 1 | |
| 16 | HANDLE SPRING | 1 | |
| 17 | HOOK | 1 | |
| 26 | HANDLE SPRING | 1 | |
| 27 | DOOR HANDLE PIM | 2 | |
| 28 | SCREW 3.5X16PAN.HE.WITH COL.CR.RE.UN.HE | 8 | |
| *32 | PORTHOLE INNER FRAME | | |
| 50 | PORTHOLE GROUP (1502 excluded) | 1 | |
| 1502 | SCREW M5X8 TSB (this part is not include in porthole group) | 2 | |

 $^{^{*}}$ 32 "This spare part is optional and depends on agreed specifications. Therefore you may not find this position number in product's spare part list."

| POSICION | CODIGO | DESCRIPCION | FOTO1 |
|-------------|----------|-----------------------------|-------|
| POSICION | CODIGO | DESCRIPCION | FOIOI |
| 401+412+407 | 42174016 | CONTROL PANEL AS (COMPLETO) | |
| 402 | 42103118 | DIAL COMPLETO | |
| 412 | 20760192 | ELECTRONIC CARD | |
| 471 | 42082604 | TAPA DIAL | |
| 470 | 42082603 | SOPORTE SELECTOR | |

| POSICION | CODIGO | DESCRIPCION | FOTO1 |
|----------|--------|-------------|-------|
| | | | |

496 20826457 F4.CARD GR.



POSICION CODIGO DESCRIPCION FOTO1

2 42026000 UPPER TRAY GROUP



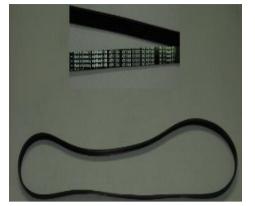
10 32005174 DOOR LOCK



702 42067962 PUMP COVER



100 42025178 BELT



101 37000499 DRIVEN PULLEY



102 32016256 MOTOR



103 20737596 CUBA TRASERA COMPLETA (COJINETES INC)



POSICION CODIGO DESCRIPCION FOTO1

104 47011587

SHOCK ABSORBER



105

42025094 SHOCK ABSORBER PIM-2



117 42059371

FRONT TUB



118 42024953 TUB BELLOWS

| POSICION | CODIGO | DESCRIPCION | FOTO1 |
|----------|--------|-------------|-------|
| | | | |
| | | | 0 |
| | | | |

121 20846087 RESISTANCE GROUP

120 47012715 BALANCER FRONT



160 20785833 DRUM GRUP (DRUM +SPIDER)



206 42087110 TUB ENTERANCE WITH BELLOW



POSICION CODIGO DESCRIPCION FOTO1

213 42091278 PRESSURE SWITCH HOSE

800 37015308 TUB SPRING

813 42056336 LIFTER

999 32025771 NTC





| POSICION | CODIGO | DESCRIPCION | FOTO1 |
|----------|--------|-------------|-------|
|----------|--------|-------------|-------|

209 30023393 VALVE



280 42065332 DETERGENT BOX GR/FUL



| POSICION | CODIGO | DESCRIPCION | FOTO1 |
|----------|--------|-------------|-------|
|----------|--------|-------------|-------|

295 42091278 PRESSURE SWITCH HOSE



| POSICION | CODIGO | DESCRIPCION | FOTO1 |
|----------|--------|-------------|-------|
|----------|--------|-------------|-------|

219 42074837 DRAIN HOSE



225 32025730 ELECTRONIC PRESSURE SENSOR



285 32023775 PUMP GROUP



800 37015308 TUB SPRING



POSICION CODIGO DESCRIPCION FOTO1

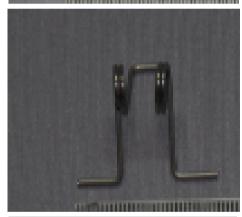
50 42087291 DOOR AS



27 35007434 PIN HANDLE



15 35007443 HOOK SPRING



17 37008931 HOOK



| POSICION | CODIGO | DESCRIPCION | FOTO1 |
|----------|--------|-------------|-------|
|----------|--------|-------------|-------|

14 42082671 HANDLE DOOR

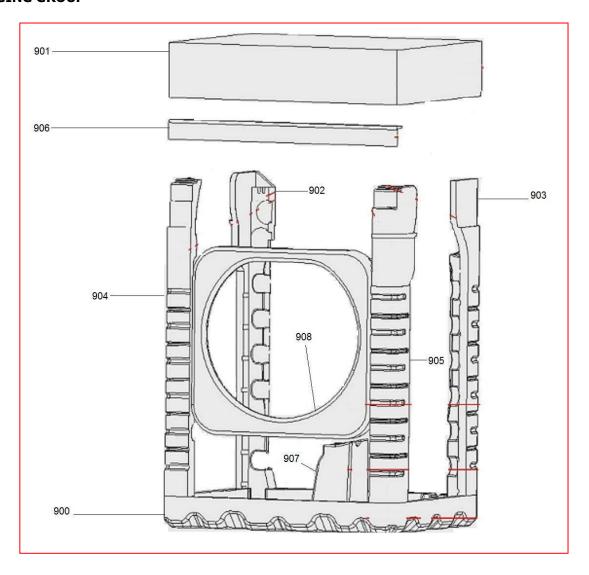


7 47003771 DOOR GLASS





8. PACKAGING GROUP



| NO | PART NAME | QUANTITY |
|-----|-------------------------|----------|
| 900 | BOTTOM STYROFOAM | 2 |
| 901 | TOP CARTON | 1 |
| 902 | REAR STYROFOAM(LEFT) | 1 |
| 903 | REAR STYROFOAM(RIGHT) | 1 |
| 904 | FRONT STYROFOAM LEFT | 1 |
| 905 | FRONT STYROFOAM RIGHT | 1 |
| 906 | CORNER CARDBOARD | 1 |
| 907 | TUB SUPPORT STYROFOAM | 1 |
| 908 | PORTHOLE PRO. STYROFOAM | 1 |