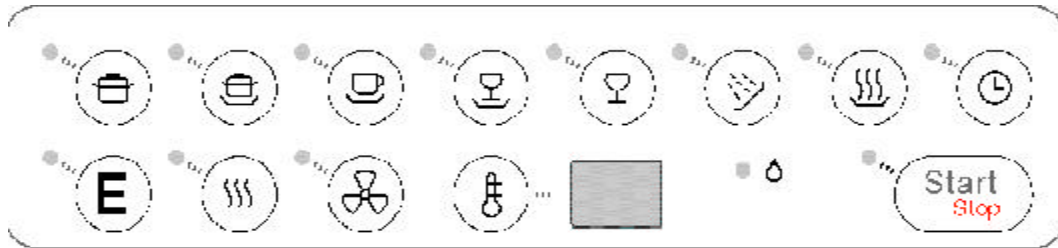


# INDEX

## D1976CSTM DISHWASHER (DW955)

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## PROGRAMS

| PROGRAM                   | DEFINITION   |
|---------------------------|--|
| <b>Pots and pans/Sani</b> | Two prewashes, main wash, three rinses* and drying.  |
| <b>Super</b>              | Two prewashes, main wash, two rinses* and drying.  |
| <b>Normal</b>             | Two prewashes, main wash, two rinses* and drying.  |
| <b>Light</b>              | One prewash, main wash, two rinses, drying.  |
| <b>Quick</b>              | One short prewash, short main wash, two rinses.  |
| <b>Rinse &amp; hold</b>   | One rinse without heat at 131°F (55°C). If Heat fan dry is selected, the heating element will activate. Drying: 158°F (70°C) |
| <b>Plate warm</b>         | Activates the heating element.   |

\* The Pots and Pans/Sani, Super and Normal programs can be programmed for an extra rinse (see page 4). In that case, the temperatures for the next-to-last rinse would be the household water temperature and the final rinse would be the last rinse temperature indicated in the table on page 3.

## OPTIONS

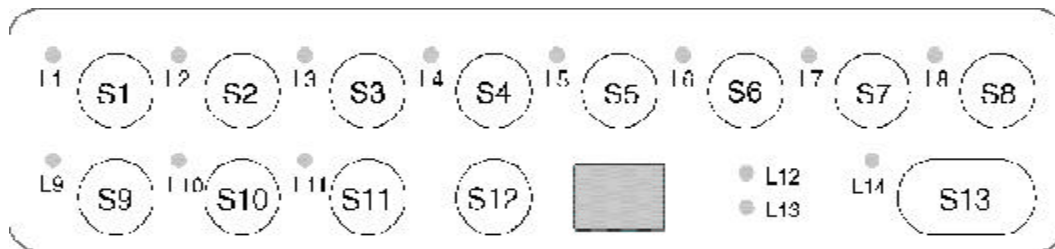
|                    |   |
|--------------------|---|
| <b>Time Delay</b>  | Each press of this touchpad delays the start by one hour, up to 12 hours. The number of hours is displayed in the LED window. After you select the hours, press Start. To cancel, press the Delay touchpad until the LED displays zero then press Start.  |
| <b>Economy</b>     | When used with low temperature settings, saves energy by extending the wash time.   |
| <b>Heat Dry</b>    | Activates the fan for an additional 30 minutes after the drying cycle to cool the dishes.   |
| <b>Fan Cool</b>    | Pressing this touchpad activates the heating element for 12 minutes after the final rinse. (158° F/70° C)   |
| <b>Temp Select</b> | Lets you select the water temperature for the wash programs (except Rinse.) The indicator light glows when it's on the High setting and remains off when set on Low. The LED displays the temperatures in Celsius. Refer to the table on the next page for the temperature options and conversions to Fahrenheit. |
| <b>Start/Stop</b>  | Press this touchpad to Start or Stop the machine. To interrupt a program, hold this touchpad down for three seconds.  |



**WASH PROGRAM TEMPERATURES**

| Wash Program      | Temp Options | 1st Prewash  | 2nd Prewash | Main Wash    | 1st Rinse | 2nd Rinse    | Final Rinse  |
|-------------------|--------------|--------------|-------------|--------------|-----------|--------------|--------------|
| Pots & Pans/Sani* | 131°F (55°C) | 113°F (45°C) | House       | 131°F (55°C) | House     | House        | 131°F (55°C) |
|                   | 149°F (65°C) | 113°F (45°C) | House       | 149°F (65°C) | House     | House        | 149°F (65°C) |
|                   | 158°F (70°C) | 113°F (45°C) | House       | 158°F (70°C) | House     | House        | 149°F (65°C) |
|                   | 167°F (75°C) | 113°F (45°C) | House       | 167°F (75°C) | House     | House        | 149°F (65°C) |
| Super*            | 131°F (55°C) | 113°F (45°C) | House       | 131°F (55°C) | House     | 131°F (55°C) | n/a          |
|                   | 149°F (65°C) | 113°F (45°C) | House       | 149°F (65°C) | House     | 149°F (65°C) | n/a          |
|                   | 158°F (70°C) | 113°F (45°C) | House       | 158°F (70°C) | House     | 149°F (65°C) | n/a          |
|                   | 167°F (75°C) | 113°F (45°C) | House       | 167°F (75°C) | House     | 149°F (65°C) | n/a          |
| Normal*           | 131°F (55°C) | 86°F (30°C)  | House       | 131°F (55°C) | House     | 131°F (55°C) | n/a          |
|                   | 149°F (65°C) | 86°F (30°C)  | House       | 149°F (65°C) | House     | 149°F (65°C) | n/a          |
|                   | 158°F (70°C) | 86°F (30°C)  | House       | 158°F (70°C) | House     | 149°F (65°C) | n/a          |
|                   | 167°F (75°C) | 86 (30°C)    | House       | 167°F (75°C) | House     | 149°F (65°C) | n/a          |
| Light             | 113°F (45°C) | House        | n/a         | 113°F (45°C) | House     | 113°F (45°C) | n/a          |
|                   | 131°F (55°C) | House        | n/a         | 131°F (55°C) | House     | 131°F (55°C) | n/a          |
|                   | 149°F (65°C) | House        | n/a         | 149°F (65°C) | House     | 149°F (65°C) | n/a          |
| Quick             | 113°F (45°C) | House        | n/a         | 113°F (45°C) | House     | 113°F (45°C) | n/a          |
|                   | 131°F (55°C) | House        | n/a         | 131°F (55°C) | House     | 131°F (55°C) | n/a          |
|                   | 149°F (65°C) | House        | n/a         | 149°F (65°C) | House     | 149°F (65°C) | n/a          |

\* The Pots and Pans/Sani, Super and Normal programs can be programmed for an extra rinse (see page 4). In that case, the temperatures for the next-to-last rinse would be the household water temperature and the final rinse would be the last rinse temperature indicated above.



S = Pushbutton switch

L = Indicator light

### EXTENDING FAN COOLING TIME

To extend the fan cooling time, **press S1 five times then press** one of the following:

- S5** for 30 extra minutes
- S4** for normal fan cooling time

### SETTING AN EXTRA RINSE

To add an extra rinse to the Pots and Pans, Super, Normal and Light wash programs, **press S2 five times then press** one of the following:

- S5** for an extra rinse
- S4** for the normal number of rinses

### SETTING CHILD-SAFE START FUNCTION

The start function can be reprogrammed so that the Start button must be pressed in for 3 seconds to start the programs. To do this, **press S4 five times then press** one of the following:

- S5** to get a prolonged start function or
- S4** to get a normal start function.

### SETTING PUMP-OUT TIME

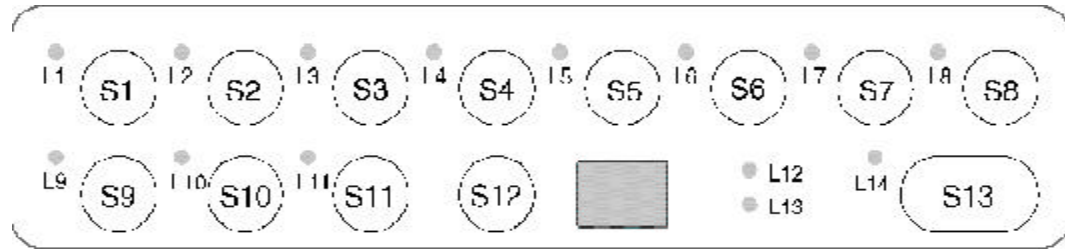
If it's necessary to reprogram the pump-out time, you can do so by **pressing S3 five times then pressing** one of the following:

| <b>Press:</b> | <b>to get an outlet time of:</b> |
|---------------|----------------------------------|
| <b>S3</b>     | 20 seconds                       |
| <b>S4</b>     | 25 seconds (factory setting)     |
| <b>S5</b>     | 35 seconds                       |
| <b>S6</b>     | 45 seconds                       |
| <b>S7</b>     | 85 seconds                       |

### SETTING INLET TIME

You can reprogram the inlet time on level controlled and time controlled inlets. To do this, **press S5 five times then press** one of the following:

| <b>Press:</b> | <b>to get an inlet time of:</b> |
|---------------|---------------------------------|
| <b>S3</b>     | 45 seconds (factory setting)    |
| <b>S4</b>     | 56 seconds                      |
| <b>S5</b>     | 68 seconds                      |
| <b>S6</b>     | 90 seconds                      |
| <b>S7</b>     | 113 seconds                     |
| <b>S8</b>     | 180 seconds                     |



S = Pushbutton switch

L = Indicator light

## FAULT CODES

These codes display in the LED window:

| <b>Code</b> | <b>Blinking Lights</b> | <b>Problem</b>                    |
|-------------|------------------------|-----------------------------------|
| <b>F1</b>   | L3 and L7              | Heating element                   |
| <b>F2</b>   | L1-L8                  | Overfill                          |
| <b>F3</b>   | L4 and L5              | Thermistor fault (heater control) |
| <b>F4</b>   | L1-L4                  | Water inlet                       |

## FAULT-TRACING PROGRAM

The functions of the electrical components can be tested by **pressing S6 five times** then pressing one of the following:

| <b>Press</b> | <b>to test</b>          |
|--------------|-------------------------|
| <b>S2</b>    | inlet valve 2           |
| <b>S3</b>    | inlet valve 1           |
| <b>S4</b>    | combi-dispenser         |
| <b>S5</b>    | heating element         |
| <b>S6</b>    | circulation pump        |
| <b>S7</b>    | outlet pump             |
| <b>S8</b>    | fan motor and wax motor |

Stop the fault-tracing program by pressing S13.

## LINKS ON THE PROCESSOR BOARD (for program variations)

These diodes should be cut for proper U.S. installation:

Link 955: DW955, processor board layout

Link USA: USA processor board layout

**CONTROL PANEL (see page 17)**

The control panel contains a microprocessor for control of programs, circulation pump, inlet valves, etc. It also allows for custom settings of programs (see page 3).

**CIRCULATION PUMP/MOTOR (see page 19)**

The circulation pump/motor consists of a synchronous motor and pump, constructed in an integrated unit. A 16  $\mu$ F capacitor is fitted to the circulation motor/pump.

**OUTLET PUMP (see page 19)**

The outlet pump consists of a synchronous motor and pump, constructed in an integrated unit.

**INLET VALVE (see page 19)**

A safety-unit type: Two solenoids and valve seats are independently connected to a unit.

**HEATING ELEMENT (see page 13)**

1400 Watt

**THERMISTOR (see page 13)**

The thermistor controls the water temperature within  $\pm 1^{\circ}\text{C}$  ( $2.5^{\circ}\text{F}$ ) to give the required temperature. The heater will be disconnected if the thermistor is short-circuited or loosened from the circuit board and the fault code "F3" displays in the LED window. The normal resistance of the thermistor is between 25 and 15K ohm at  $68^{\circ}\text{F}$  ( $20^{\circ}\text{C}$ ) or  $86^{\circ}\text{F}$  ( $30^{\circ}\text{C}$ ) alternately.

**OVERHEAT PROTECTION (see page 13)**

The thermostat has a switch-off function at  $190^{\circ}\text{F}$  ( $88^{\circ}\text{C}$ ) that prevents the heating element from staying on if the control unit or the timer should fail.

**DOOR SWITCH (see page 19)**

A microswitch senses that the door has been opened. This interrupts the program and cuts the power to all control components (motor, valves, etc.).

**LEVEL SWITCH (PRESSURE SWITCH) (see page 13)**

This switch protects against overfilling by interrupting the power to the inlet valve and starting the outlet pump. If the water level has not dropped within 30 seconds or if overfill has occurred twice during the same program, the program will be terminated and a fault code displays. The overfill protection operates during all programs, including fault-tracing, even if the microprocessor is faulty.

**OVERFILL SWITCH (see page 13)**

A float in the base pan influences a microswitch that disconnects the inlet valve and starts the outlet pump.

**COMBI-DISPENSER (see page 15)**

The combi-dispenser dispenses both detergent and rinse aid. The dispenser has an adjustable volume chamber for setting the desired amount of rinse aid.

**TURBO FAN (see page 15)**

The turbo fan evacuates the moist air from the machine during the drying phase of the program. The fan system consists of a fan motor that runs a two-part impeller. Dry, cool air is pulled in from the door into one of the impeller halves. A wax motor opens a damper and the moist air is pulled into the other part of the impeller. The dry, cool air and warm, moist air mix and condense in the condensation chamber. The condensed moisture then drains through the channel to the lower sump area. Dry air is then vented out through a channel below the outer door.

|                        |                             |                  |
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### Electrical Supply

The machines are wired for connection to a single-phase, 120V, 15A supply, with a heater power of 1400W, giving a total power requirement of 1600W.

### VALUES FOR WIRING DIAGRAMS

Resistance values at 68° F (+/-5°F), 20° C (+/-3°C)  
(Values within +/- 10% is normal.)

|     |                     |   |
|-----|---------------------|---|
| AP  | Drain pump          | 120V, 60 Hz, 25.5 ohm                         |
| BB  | Illumination switch |   |
| CP  | Main pump           | 120 V, 60 Hz, Main = 10.5 ohm, Aux = 14.5 ohm |
| KD  | Combi-dispenser     | 120 V, 0.31 ohm                               |
| EL  | Heating element     | 120 V, 1400 W, 10 ohm                         |
| F   | Filter              | 680 K ohm (1-2, 3-4)                          |
| N   | Inlet valve         | 120 V, 9.93 K ohm                             |
| FL  | Fan                 | 120 V, 0.25 K ohm                             |
| LB  | Door switch         |   |
| LU  | Door                |   |
| N   | Level switch        |   |
| P   | Control unit        |   |
| R   | Relay               | 230 V Eberle, 0.59 K ohm                      |
| T   | Thermostat          | 19–25 K ohm                                   |
| TB  | Pushbutton switch   |   |
| TE  | Temp. thermistor    | 18–25 K ohm                                   |
| WAX | Wax motor           | 1.5–3.0 K ohm                                 |
| VMG | Rinse ag sensor     |   |
| OB  | Overflow switch     |   |

The lists below define the meanings of the dashed numbers or letters following a part number:

### Colors:

- 0 White
- 29 Black, bright
- 33 Black
- 36 Dark grey
- 49 Helios grey
- 69 black, metallic
- 77 grey
- 81 metallic
- 95 Stainless Steel

**Note:** Not all colors are available for all parts.

### Doors

- M for units with fan
- P for integrated units
- R for decor frames, long deviation
- S for decor frames, short deviation
- T for decor frames with adjustable lower part



|         |  |  |  |      |
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| Fig. | Qty | Part No. | Description | Notes |
|------|-----|----------|-------------|-------|
|------|-----|----------|-------------|-------|

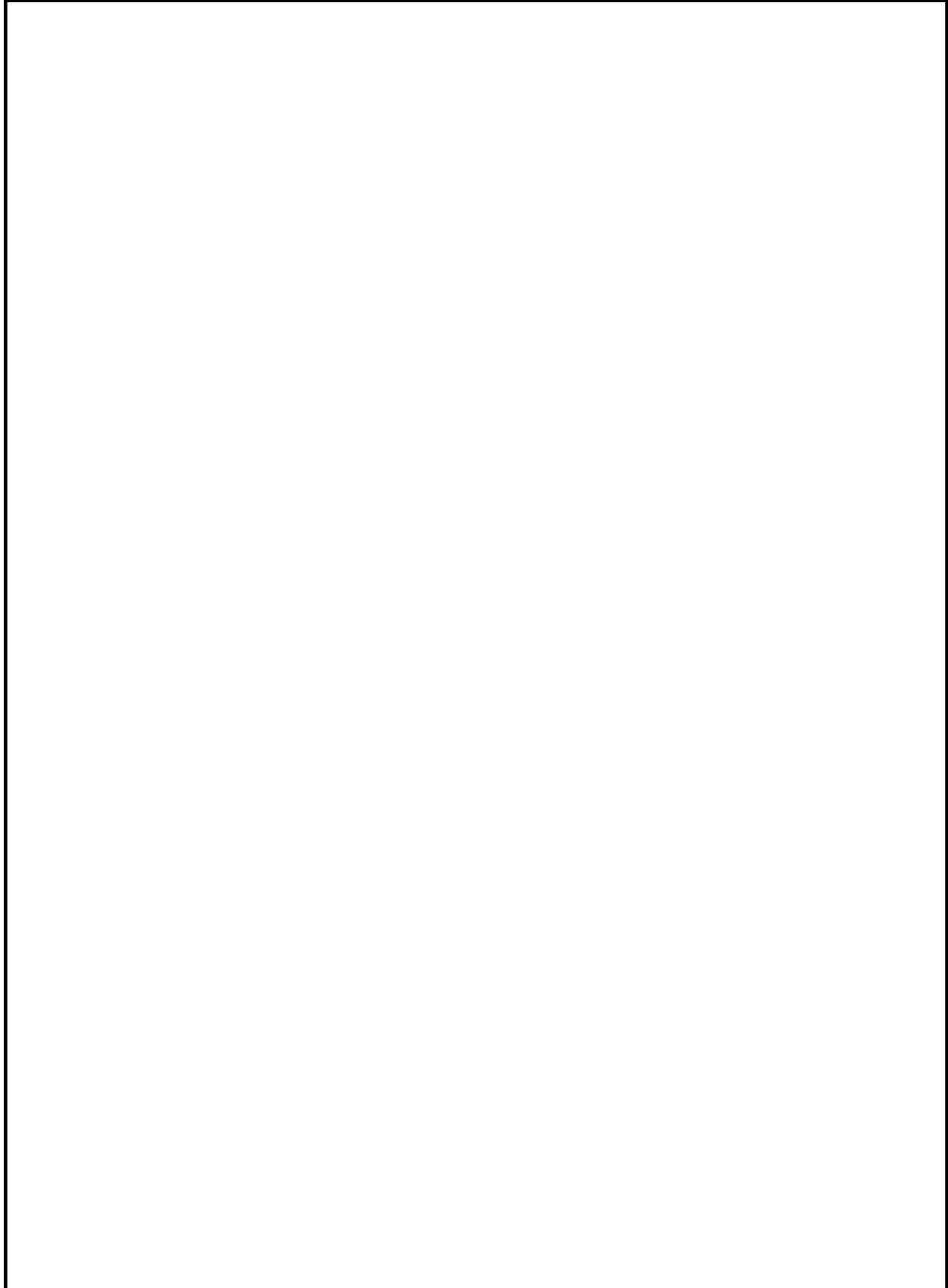
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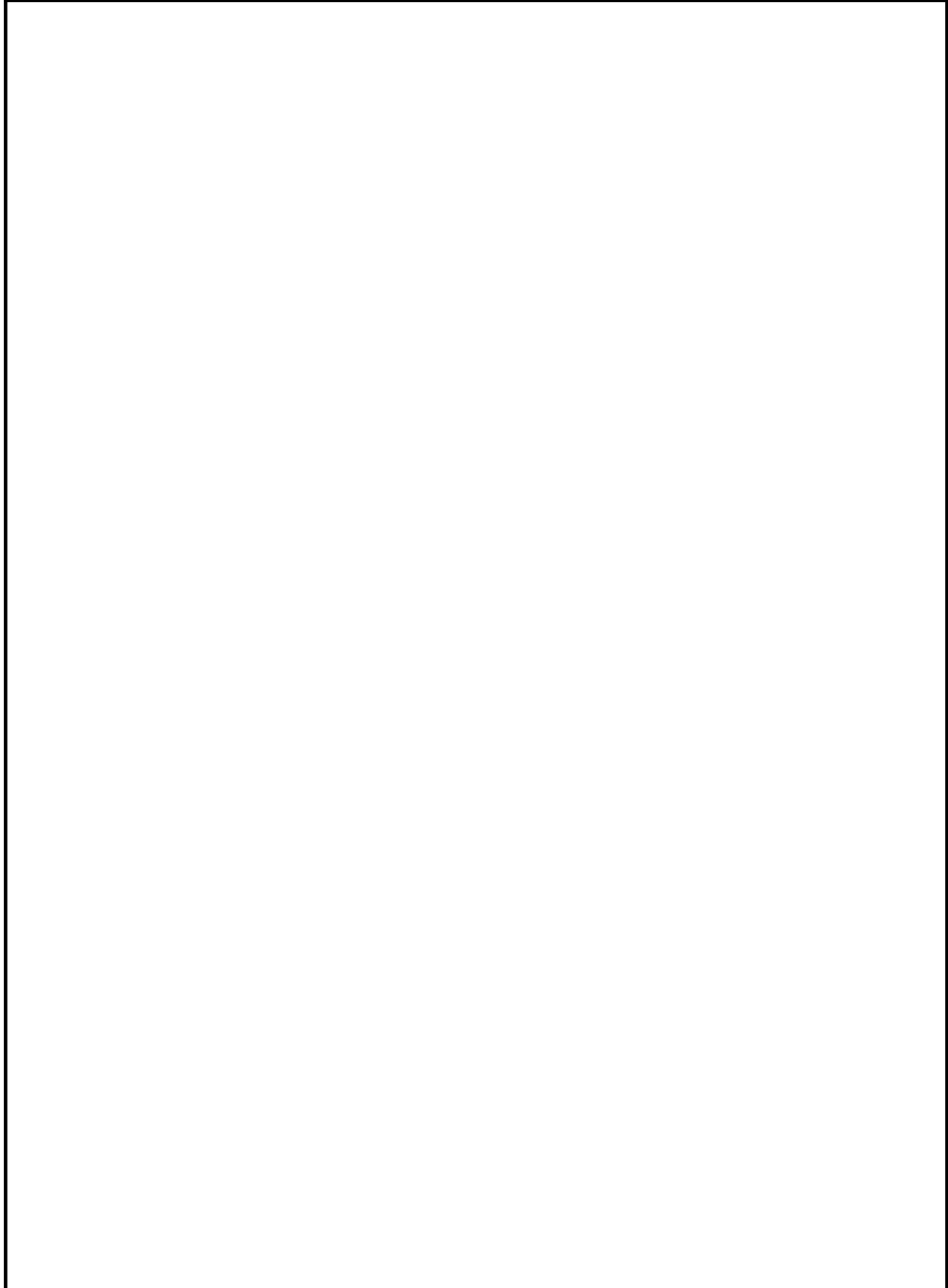
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| Fig.    | Qty | Part No.                        | Description                     | Notes                 |
| 1       | 1   | 80 583 53                       | Sound insulation                |                       |
| 2       | 1   | 80 600 41                       | Sound insulation profile        |                       |
| 3       | 1   | 80 575 26                       | Guard plate                     |                       |
|         | 4   | 89 003 52                       | Screw                           | RTS ST 4.2x13         |
| 4       | 1   | 80 600 87                       | Felt, kick plate                |                       |
| 5       | 1   | 80 575 28-                      | Kick plate, low                 | -0, -29               |
|         | 1   | 80 575 29-                      | Kick plate, high                | -0, -29               |
|         | 2   | 89 009 44-                      | Screw, kick plate               | -0, -29               |
| 9       | 1   | 80 584 86                       | Drip protection for guard plate |                       |
| 10      | 2   | 80 575 49                       | Bracket, kick plate             |                       |
| 11      | 2   | 80 575 50                       | Spring, kick plate              |                       |
|         | 2   | 89 003 27                       | Screw                           | RTS ST 4.2x13 FZB T20 |

|                 |                                    |            |
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| Fig.    | Qty | Part No.                    | Description                     | Notes                   |
| 2       | 1   | 80 600 65                   | Sealing strip, left             |                         |
|         | 1   | 80 600 66                   | Sealing strip, right            |                         |
|         | 2   | 80 600 38                   | Insulation, bottom outer        |                         |
| 3       | 1   | 80 574 89                   | Tub seal                        |                         |
| 4       | 1   | 88 010 98                   | Lock catch compl.               |                         |
| 5       | 2   | 80 579 78-                  | Ball catch                      | -77                     |
| 6       | 2   | 80 586 38-                  | Ball bearing holder, guide rail | -77                     |
| 7       | 8   | 80 579 77                   | Ball bearings                   |                         |
| 8       | 2   | 80 579 79-                  | Basket stop                     | -77                     |
| 9       | 2   | 80 570 52                   | Guide rail                      |                         |
| 10      | 1   | 80 600 33                   | Sound insulation                |                         |
| 11      | 4   | 89 011 10                   | Screw + O-ring                  | A2-M6x12 T30            |
| 12      | 1   | 80 570 77                   | Heating element                 | 1400 W 120 V            |
|         | 1   | 80 602 58                   | Cable holder                    | For heating             |
|         | 2   | 80 023 70                   | Protection collar, heating      |                         |
| 13      | 2   | 80 583 52                   | Sound insulation                |                         |
| 14      | 1   | 80 584 95                   | Cable holder, door              |                         |
| 15      | 1   | 80 701 42                   | Cable holder                    |                         |
| 16      | 1   | 80 025 79                   | Thermostat                      | Overheat protection     |
| 19      | 1   | 80 575 23                   | Bottom outer                    |                         |
|         | 2   | 89 011 04                   | Screw, casing - bottom          | A2-MRT-TT 4x8 T20       |
| 20      | 2   | 80 602 32                   | Door springs compl., integrated | -77                     |
|         | 2   | 80 713 23-                  | Door springs compl., integrated | -77, heavy-duty         |
| 21      | 1   | 80 704 95                   | Mount inlet valve               |                         |
|         | 2   | 89 003 27                   | Screw                           | RTS ST 4.2 x 13 FZB T20 |
| 22      | 1   | 80 602 55                   | Mount, electrical connection    |                         |
| 23      | 1   | 80 599 91                   | Cable holder                    |                         |
| 24      | 1   | 80 069 48                   | Grommet                         |                         |
| 25      | 1   | 80 585 58                   | RFI filter                      |                         |
| 26      | 1   | 80 502 51                   | Terminal block                  | 3-pole                  |
|         | 1   | 89 003 57                   | Screw, terminal block           | RTS ST 4.2x25 FZB T20   |
|         | 1   | 89 021 31                   | Screw, grounding terminal bl.   | MRT-TT 4x6 FZB T20      |
|         | 1   | 89 014 13                   | Washer                          | AZ 4.3 FZB              |
| 27      | 2   | 80 600 38                   | Sound insulation, outer bottom  |                         |
| 28      | 4   | 80 721 19                   | Reinforcement washer            |                         |
| 29      | 4   | 80 570 62                   | Leveling leg                    | M10x100, 8.8 FZB        |
| 30      | 4   | 89 011 56                   | Nut                             | M6M10 BH8 FZB           |
| 31      | 2   | 80 519 57                   | Slide foot, rear only           |                         |

|                 |             |            |
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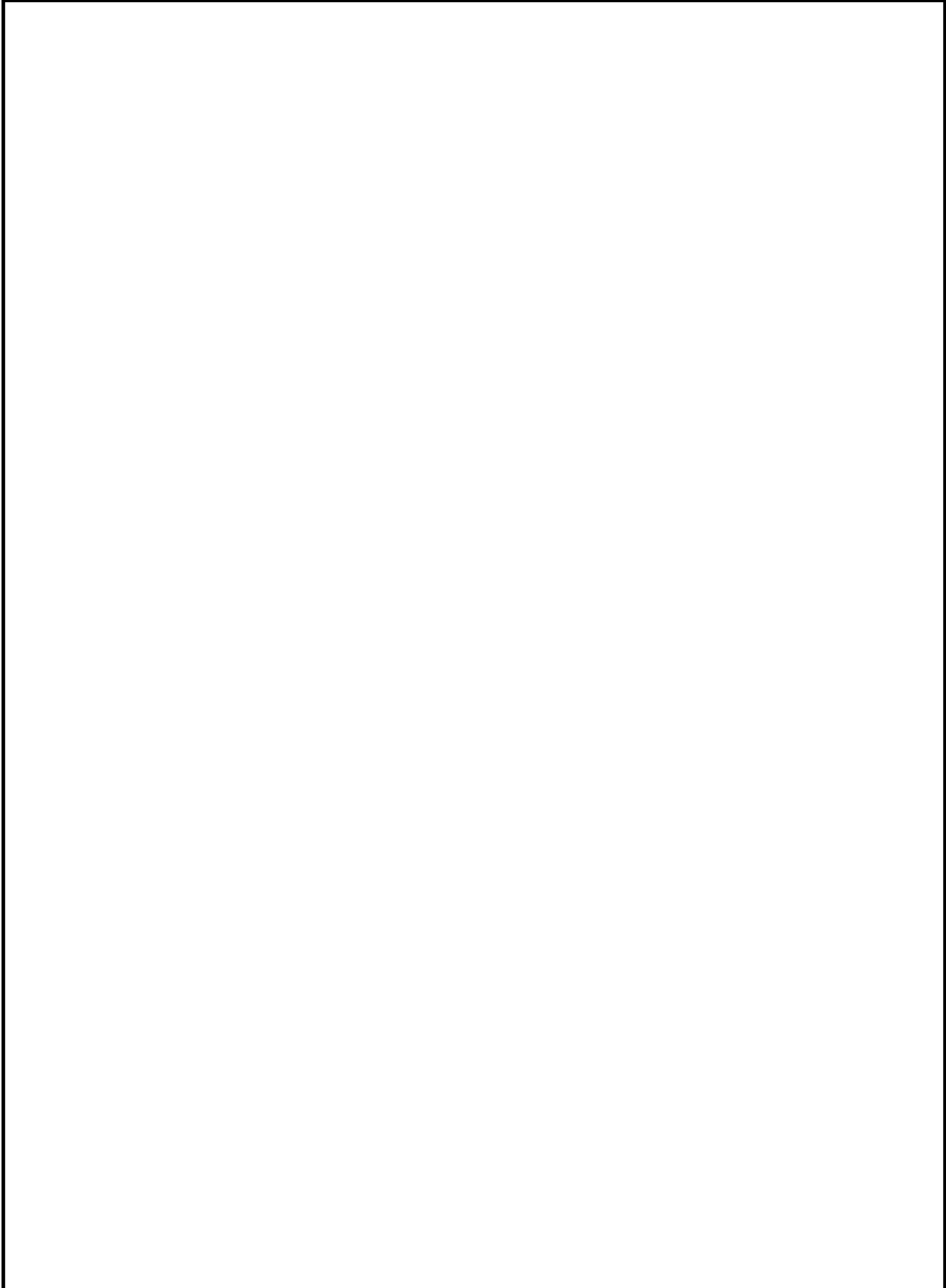


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| Fig.    | Qty | Part No.    | Description                 | Notes                 |
| 1       | 1   | 80 527 78   | Wax motor                   |                       |
| 2       | 1   | 80 585 01   | O-ring                      |                       |
| 3       | 1   | 80 600 21   | Fan, compl.                 |                       |
| 4       | 1   | 80 579 63-  | Air channel, turbo dry      | -S                    |
| 5       | 1   | 80 727 32-  | Nozzle, air channel         | -0, -33               |
| 6       | 1   | 88 011 20   | Inner door compl.           |                       |
|         | 4   | 89 021 20   | Screw                       | A2-MKFT 5x10-TT FZB   |
| 7       | 1   | 80 579 64   | Lock ring, fan casing       |                       |
| 8       | 1   | 80 584 84   | Cover plate, fan            |                       |
|         | 2   | 89 020 85   | Screw, fan cover plate      | A2-PTK 40x10 WN1452   |
| 9       | 1   | 80 706 80-  | Combi-dispenser             | -77                   |
|         | 6   | 89 020 87   | Screw                       | PTK 40x14 WN1452 FZB  |
|         | 1   | 80 719 17   | Rinse aid cap               |                       |
|         | 1   | 80 719 18   | Combi-dispenser lid         | Incl. seal and spring |
| 10      | 1   | 80 575 25   | Hinge, left                 |                       |
|         | 1   | 80 575 24   | Hinge, right                |                       |
|         | 2   | 80 575 30   | Hinge screw                 |                       |
|         | 2   | 33500262    | Nut, hinge bearing, locking | 4 BH8 FZB             |
| 11      | 2   | 80 579 48   | Slide washer, hinge bearing |                       |
| 12      | 1   | 80 715 87   | Holder, cable harness       |                       |
|         | 1   | 89 021 31   | Screw, cable harness holder | MRT-TT 4x6 FZB T20    |
| 13      | 1   | 80 584 87   | Stay, air channel           |                       |
| 14      | 1   | 80 579 85   | Brace stand                 |                       |
|         | 2   | 89 006 46   | Screw, lower stay           | A4 RTS 4.2x13 T20     |
| 15      | 1   | 80 602 54   | Door seal lower             | L=555 mm              |
| 18      | 1   | 80 702 93-  | Fitting part, compl.        | -0, -69               |
| 19      | 1   | 80 579 86-  | Door outer part             | -PT-0, PT-29          |
|         | 6   | 89 006 46   | Screw                       | A4 RTS 4.2x13 T20     |
|         | 2   | 89 003 27   | Screw lower stay            | RTS ST 4,2x13 FZB T20 |
|         | 2   | 80 561 17-  | Screw lower stay            | -29                   |
|         | 2   | 80 703 50-  | Plug                        | -0, -33               |
| 20      | 1   | 80 702 94   | Sound insulation, short     |                       |
| 21      | 1   | 80 703 63   | Adjusting frame complete    |                       |

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**CONTROL PANEL**

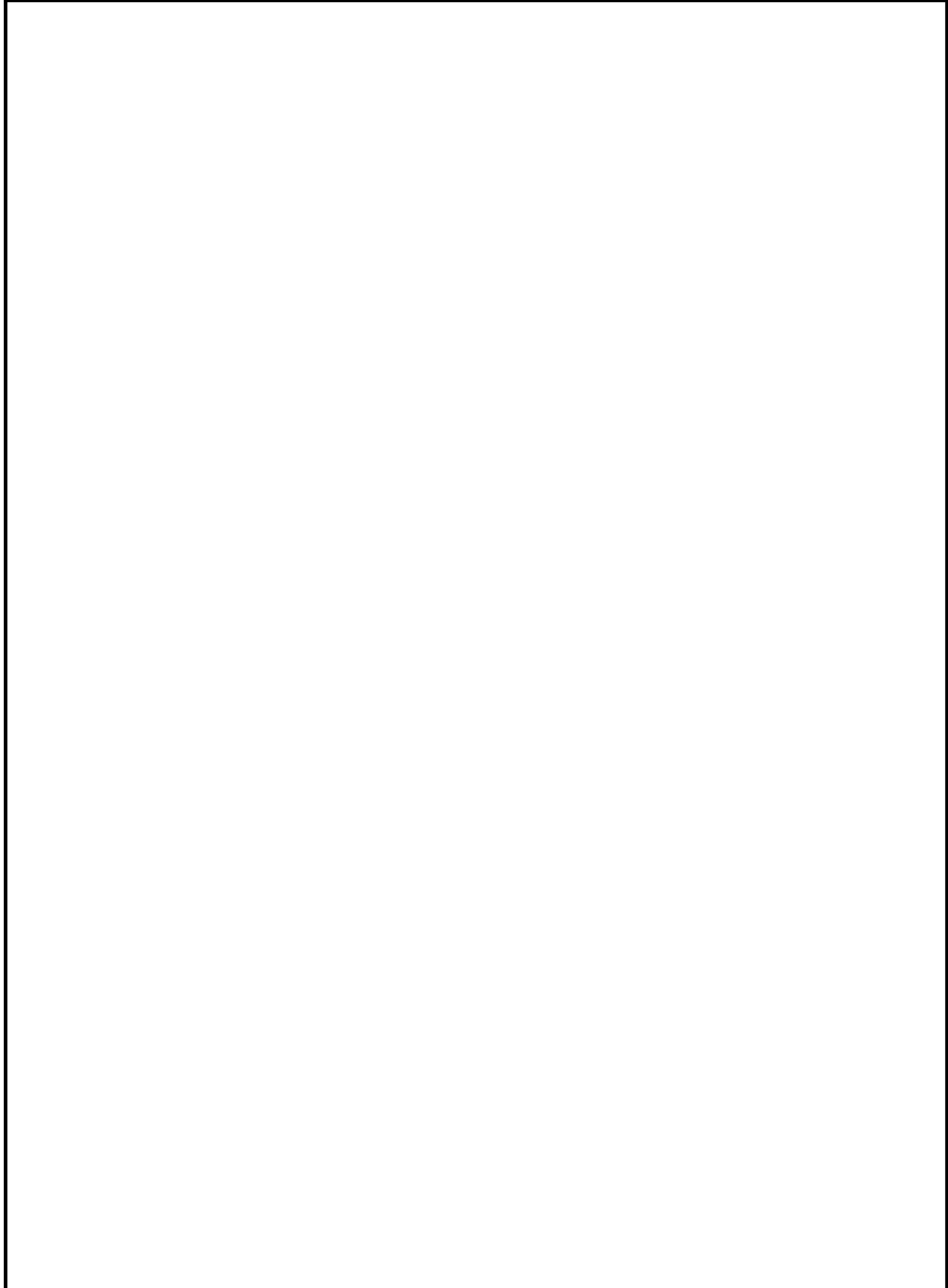
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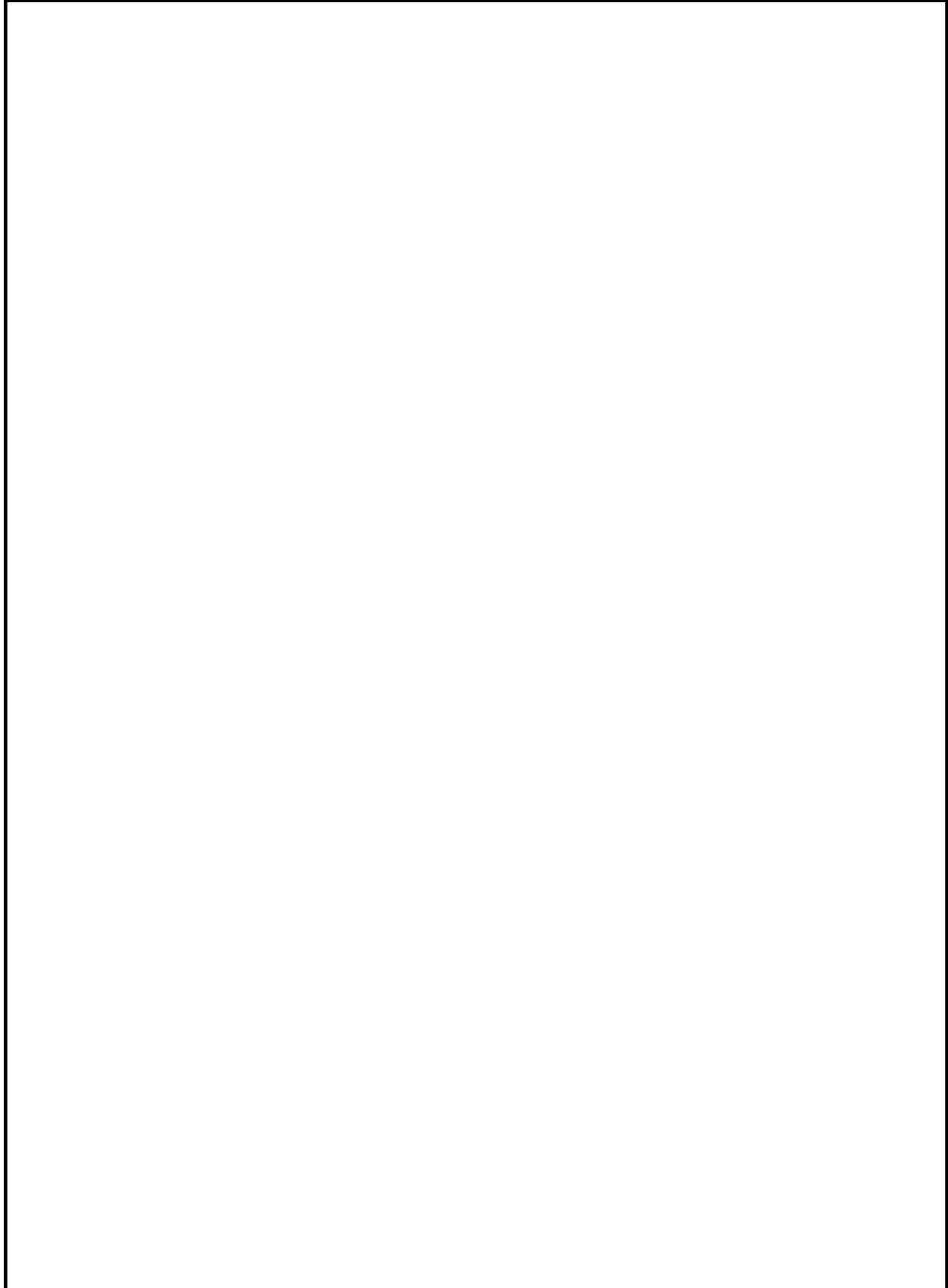
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| Fig.    | Qty | Part No.             | Description              | Notes                |      |
| 1       | 1   | 80 602 33            | Handle                   |                      |      |
| 5       | 1   | 80 575 39            | Holder, handle assembly  |                      |      |
|         | 2   | 89 020 85            | Screw                    | A2-PTK 40x10 WN1452  |      |
|         | 2   | 89 020 87            | Screw                    | PTK 40x14 WN1452 FZB |      |
| 6       | 1   | 80 710 98            | Cover, microswitch       |                      |      |
| 7       | 1   | 80 554 73            | Microswitch              |                      |      |
| 8       | 1   | 80 575 42            | Control pin, microswitch |                      |      |
| 9       | 1   | 80 070 78            | Spring, handle           |                      |      |
| 10      | 1   | 80 598 50            | Spring                   |                      |      |
| 11      | 1   | 80 598 49-           | Lid, door handle         | -0, -69              |      |
| 12      | 1   | 80 598 48-           | Front panel              | -0, -69              |      |
| 13      | 1   | 80 575 38-           | Backing for decor plate  | -0, -69, -81         |      |
|         | 1   | 89 020 92            | Screw                    | PTK 40x25 WN1452 FZB |      |
| 14      | 1   | 80 734 10-           | Decor insert             | -0, -33              |      |
| 15      | 1   | 80 600 76            | Contact cover            |                      |      |
| 16      | 1   | 88 012 02            | Control unit             |                      |      |
|         | 2   | 89 020 53            | Screw                    | PTK 40x45/15 FZB T20 |      |
| 17      | 1   | 80 597 67            | Thermistor               |                      |      |
| 18      | 1   | 80 734 57            | Cable harness complete   |                      |      |
|         | 1   | 80 730 96            | Use and Care Guide       |                      |      |

|                 |                           |                   |
|-----------------|---------------------------|-------------------|
| Date<br>2000-06 | <b>DISHWASHING SYSTEM</b> | Page<br><b>18</b> |
|-----------------|---------------------------|-------------------|

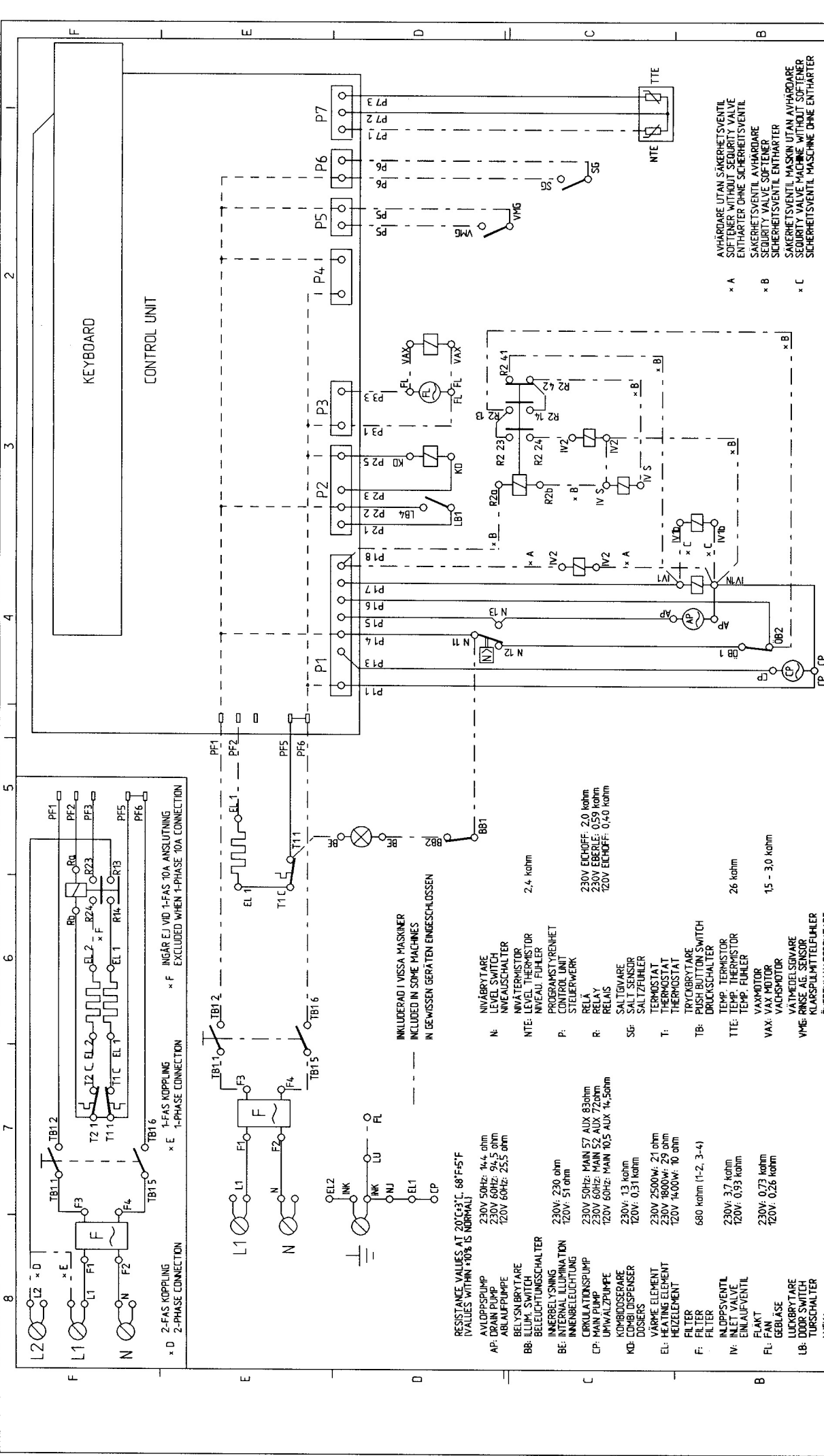


| Date    |     | DISHWASHING SYSTEM |  |                      | Page |
|---------|-----|--------------------|--|----------------------|------|
| 2000-06 |     |                    |  |                      | 19   |
| Fig.    | Qty | Part No.           | Description                            | Notes                |      |
| 1       | 1   | 80 713 37-         | Cup shelf, wine glasses                | -36                  |      |
| 2       | 1   | 80 011 99-         | Upper basket, w/wheels                 | -36, with cup shelf  |      |
|         | 1   | 80 727 64-         | Glass support, adjustabe               | -36                  |      |
| 3       | 1   | 80 570 58-         | Knife tray , upper cutlery basket      | -36                  |      |
| 4       | 1   | 80 533 76-         | Upper cutlery basket                   | -36                  |      |
| 5       | 1   | 80 575 05-         | Knife stand, upper cutlery basket      | -77                  |      |
| 6       | 1   | 80 725 50-         | Cup shelf, divided                     | -36                  |      |
| 7       | 1   | 80 575 02          | Glide mount 1 for upper cutlery basket |                      |      |
| 8       | 1   | 80 584 53          | Glide mount 2 for upper cutlery basket |                      |      |
| 9       | 1   | 80 575 03-         | Grommet, spray pipe, upper             | -77                  |      |
| 10      | 1   | 80 575 00          | Upper spray pipe                       |                      |      |
| 11      | 1   | 80 575 04-         | Grommet, spray pipe, lower             | -77                  |      |
| 12      | 1   | 80 575 36-         | Lock ring, air break                   | -77                  |      |
| 13      | 1   | 80 585 04          | O-ring, inlet air break                |                      |      |
| 14      | 1   | 80 575 14          | Air break                              |                      |      |
| 15      | 1   | 80 597 40          | Strainer, upper part                   |                      |      |
| 16      | 4   | 80 584 98-         | Basket wheel, upper                    | -77                  |      |
| 18      | 1   | 88 010 89-         | Cutlery basket                         | -77                  |      |
| 19      | 1   | 88 012 00-         | Lower basket                           | -36                  |      |
| 20      | 8   | 80 095 16-         | Basket wheel, lower                    | -77                  |      |
| 21      | 1   | 80 584 93-         | Lower basket insert                    | -36                  |      |
| 22      | 1   | 80 703 04          | Outlet hose                            |                      |      |
| 23      | 1   | 80 726 95          | Spray arm, upper                       |                      |      |
| 24      | 2   | 89 012 62          | Nut, spray arm bearing                 |                      |      |
| 25      | 2   | 80 520 95          | Washer, spray arm bearing              |                      |      |
| 26      | 2   | 80 570 70-         | Spray arm bearing                      | -77                  |      |
| 27      | 1   | 80 570 68-         | Spray pipe bearing, upper              | -77                  |      |
| 28      | 1   | 80 570 63          | Spray pipe                             |                      |      |
| 29      | 2   | 80 521 89          | Hose clip, inlet valve                 | 17.0-706             |      |
| 30      | 1   | 80 585 02          | Rubber hose, inlet valve               |                      |      |
| 31      | 1   | 80 721 23          | Inlet valve                            |                      |      |
|         | 2   | 89 020 87          | Screw                                  | PTK 40x14 WN1452 FZB |      |
| 32      | 1   | 80 726 92          | Spray arm lower                        |                      |      |
| 33      | 1   | 80 570 67-         | Spray pipe bearing, lower              | -77                  |      |
| 34      | 1   | 89 017 55          | O-ring, lower spray pipe bearing       |                      |      |
| 35      | 1   | 80 570 69          | Nut, spray pipe bearing                |                      |      |
| 36      | 2   | 80 574 84          | Hose, circulation pump                 |                      |      |
| 37      | 4   | 80 520 97          | Hose clip, circ. pump hose             | 44.0-708             |      |
| 38      | 1   | 80 550 95          | Rubber buffer, circ. pump              |                      |      |
| 39      | 1   | 80 584 75          | Level switch (pressure)                |                      |      |
| 40      | 1   | 80 570 53          | Float, base pan                        |                      |      |
| 41      | 1   | 80 600 68          | Microswitch float                      |                      |      |
| 42      | 1   | 80 585 00          | Rubber hose                            | 5x8x340              |      |
| 43      | 1   | 88 011 23-         | Base pan, sump                         | -77                  |      |
| 44      | 1   | 80 585 03          | O-ring, base pan, sump                 | 109.5x3              |      |
| 45      | 1   | 80 025 84          | O-ring, outlet pump                    | 49.5x3               |      |
| 46      | 1   | 80 574 87-         | Cover plate                            | -33                  |      |
| 47      | 1   | 80 720 32          | Outlet pump                            |                      |      |
| 48      | 1   | 80 522 39          | Hose clip                              | 31.6-708             |      |
| 49      | 1   | 80 574 88          | Lock ring, bottom well, sump           |                      |      |
| 50      | 1   | 80 584 54          | Cover plate                            |                      |      |
| 51      | 1   | 80 579 72-         | Filter basket, coarse                  | -77                  |      |
| 52      | 1   | 80 574 86-         | Insert, filter basket                  | -77                  |      |
| 53      | 1   | 80 712 50          | Circulation pump                       |                      |      |

|                 |                       |            |
|-----------------|-----------------------|------------|
| Date<br>2000-06 | <b>INTERIOR LIGHT</b> | Page<br>20 |
|-----------------|-----------------------|------------|



| Date    |     | <b>INTERIOR LIGHT</b> |                      | Page                 |
|---------|-----|-----------------------|----------------------|----------------------|
| 2000-06 |     |                       |                      | 21                   |
| Fig.    | Qty | Part No.              | Description          | Notes                |
| 1       | 1   | 80 530 86             | Lock ring,glass      | UL                   |
| 2       | 1   | 89 017 63             | O-ring               | 65.5x3               |
| 3       | 1   | 80 530 87             | Lamp cover           | UL                   |
| 4       | 1   | 80 549 15             | Lamp holder          |                      |
| 5       | 1   | 80 549 16             | Lamp reflector       |                      |
| 6       | 2   | 89 015 92             | Clip, lamp cover     |                      |
| 7       | 1   | 80 551 48             | Lamp                 |                      |
|         | 1   | 89 012 42             | Nut                  | M6M 4                |
|         | 1   | 89 014 13             | Washer               | AZ 4.3 FZB           |
|         | 1   | 89 010 97             | Screw                | MRT-TT 4x10 FZB T20  |
| 8       | 1   | 80 599 68             | Cable channel        |                      |
| 9       | 1   | 80 584 69             | Micro switch         |                      |
| 10      | 1   | 80 549 07             | Bracket, lamp switch |                      |
|         | 1   | 89 020 87             | Screws               | PTK 40x14 WN1452 FZB |



| KEYBOARD  |                              | CONTROL UNIT |                               |         |          |      |      |    |    |    |    |
|---|------------------------------|--------------|-------------------------------|---------|----------|------|------|----|----|----|----|
| <p>AVHÄRDARE UTAN SÄKERHETSVENTIL<br/>SOFTENER WITHOUT SECURITY VALVE<br/>ENTHÄRTER OHNE SICHERHEITSVENTIL<br/>SÄKERHETSVENTIL AVHÄRDARE<br/>SECURITY VALVE SOFTENER<br/>SÄKERHETSVENTIL ENTHÄRTER<br/>SÄKERHETSVENTIL MASCHINE UTAN AVHÄRDARE<br/>SECURITY VALVE MACHINE WITHOUT SOFTENER<br/>SÄKERHETSVENTIL MASCHINE OHNE ENTHÄRTER</p> <p>* A<br/>* B<br/>* C</p> |                              |              |                               |         |          |      |      |    |    |    |    |
| Article No.   | Name of item                 | Qty          | Material,dimensions,type,etc. |         |          |      |      |    |    |    |    |
| 97 42   | Resistansvärden inf.         | ML           | Scale                         |         |          |      |      |    |    |    |    |
| 97 36   | Koppl. innerbelysn. mod.     | ML           | Description in English        |         |          |      |      |    |    |    |    |
| 95 48   | Koppl. xF: 1-fas 10A inf.    | ML           | Description in town language  |         |          |      |      |    |    |    |    |
| 95 13   | NY KOPPL. AVH. M. SÄKERH. ML | ML           |                               |         |          |      |      |    |    |    |    |
| 95 06   | Koppl. utan 1/0-bryt. inf    | inf ML       |                               |         |          |      |      |    |    |    |    |
| 95 06   | HL ventil avh. m. säk. inf   | inf ML       |                               |         |          |      |      |    |    |    |    |
| 80 584 83-05  | Komplettscheman.             | Appo         |                               |         |          |      |      |    |    |    |    |
| 80 584 81   | Rev ind                      | Year         | Week                          |         |          |      |      |    |    |    |    |
| 05  | 05                           | 94           | 17                            |         |          |      |      |    |    |    |    |
| <table border="1"> <tr> <th>Rev ind</th> <th>Revision</th> <th>Year</th> <th>Week</th> </tr> <tr> <td>05</td> <td>05</td> <td>94</td> <td>17</td> </tr> </table>  |                              |              |                               | Rev ind | Revision | Year | Week | 05 | 05 | 94 | 17 |
| Rev ind   | Revision                     | Year         | Week                          |         |          |      |      |    |    |    |    |
| 05  | 05                           | 94           | 17                            |         |          |      |      |    |    |    |    |
| <p>KOPPLING UTAN 1/0-BRYTARE<br/>KOPPLUNG OHNE 1/0-SCHALTER<br/>CONNECTION WITHOUT MAIN SWITCH</p>  |                              |              |                               |         |          |      |      |    |    |    |    |
| <p>KOPPLING UTAN 1/0-BRYTARE<br/>KOPPLUNG OHNE 1/0-SCHALTER<br/>CONNECTION WITHOUT MAIN SWITCH</p>  |                              |              |                               |         |          |      |      |    |    |    |    |

| STEP | FÖRDISK/PREWASH/VORSPÜLEN |   | HUVUDDISK/MAIN WASH/HAUPTSPÜLGANG |   | SKÖLJNING/RINSE/SPÜLUNGEN |   |   |   | TORKNING/DRYING/TROCKNUNG |   |
|------|---------------------------|---|-----------------------------------|---|---------------------------|---|---|---|---------------------------|---|
|      | 1                         | 2 | 3                                 | 4 | 1                         | 2 | 3 | 4 | 5                         | 6 |
| 1    |                           |   |                                   |   |                           |   |   |   |                           |   |
| 2    |                           |   |                                   |   |                           |   |   |   |                           |   |
| 3    |                           |   |                                   |   |                           |   |   |   |                           |   |
| 4    |                           |   |                                   |   |                           |   |   |   |                           |   |
| 5    |                           |   |                                   |   |                           |   |   |   |                           |   |
| 6    |                           |   |                                   |   |                           |   |   |   |                           |   |
| 7    |                           |   |                                   |   |                           |   |   |   |                           |   |
| 8    |                           |   |                                   |   |                           |   |   |   |                           |   |
| 9    |                           |   |                                   |   |                           |   |   |   |                           |   |
| 10   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 11   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 12   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 13   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 14   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 15   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 16   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 17   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 18   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 19   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 20   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 21   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 22   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 23   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 24   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 25   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 26   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 27   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 28   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 29   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 30   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 31   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 32   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 33   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 34   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 35   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 36   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 37   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 38   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 39   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 40   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 41   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 42   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 43   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 44   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 45   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 46   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 47   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 48   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 49   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 50   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 51   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 52   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 53   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 54   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 55   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 56   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 57   |                           |   |                                   |   |                           |   |   |   |                           |   |
| 58   |                           |   |                                   |   |                           |   |   |   |                           |   |

**INLET TIME**  
 PRESS 5 FIVE TIMES TO ENTER REPROGRAMMING MODE  
 PRESS 3 TO GET NORMAL INLET TIME (DEFAULT) DR  
 PRESS 4 TO GET AN 25% INCREASE DR  
 PRESS 5 TO GET AN 50% INCREASE DR  
 PRESS 6 TO GET AN 100% INCREASE DR  
 PRESS 7 TO GET AN 150% INCREASE DR  
 PRESS 8 TO GET AN 200% INCREASE

**DRAINAGE TIME**  
 PRESS 3 FIVE TIMES TO ENTER REPROGRAMMING MODE  
 PRESS 3 TO GET 20 SEC DRAINAGE TIME OR  
 PRESS 4 TO GET 25 SEC DRAINAGE TIME (DEFAULT) DR  
 PRESS 5 TO GET 30 SEC DRAINAGE TIME OR  
 PRESS 6 TO GET 35 SEC DRAINAGE TIME OR  
 PRESS 7 TO GET 40 SEC DRAINAGE TIME OR  
 PRESS 8 TO GET 45 SEC DRAINAGE TIME

**GEOSPHERICAL POSITION OF SWITCHES ON KEYBOARD**  
 (SOME SWITCHES ARE NOT DISPLAYED IN SOME MODELS)

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

**FAULT TRACING PROGRAM**  
 PRESS 6 FIVE TIMES TO ENTER FAULT TRACING MODE  
 PRESS 2 TO START INLET VALVE 2 (INT DW95.3)  
 PRESS 3 TO START INLET VALVE 1 (INT DW95.3)  
 PRESS 4 TO START COMBI DISPENSER (AND INLET VALVE 2 DW95.3)  
 PRESS 5 TO START COMBI DISPENSER (AND INLET VALVE 1 DW95.3)  
 PRESS 6 TO START CIRCULATION PUMP  
 PRESS 7 TO START DRAIN PUMP (AND FAN/VAXX-MOTOR DW95.3 & DW95.4 USA)  
 PRESS 8 TO START FAN/VAXX-MOTOR (INT DW95.3 & DW95.4 USA)  
 PRESS START /STOP TO EXIT FAULT TRACING MODE (DW95.3 ANY PROGRAM SW. 3 SEC.)

**Article No.** 80 584 82  
**Name of item** Qty Material, dimensions, type, etc.  
 Scale: TIMERDIAGRAM Dw953/4/5  
 Description (in language): TIMERDIAGRAM Dw953/4/5  
 Drawn by: MÅTS LJUNGA  
 Iss by Dept: UD 94\_38  
 Drawing checked by: [Signature]  
 Rev ind: 04  
 Week: 38  
 Year: 94  
 Month: [blank]  
 Revision: 80 584 83  
 Year: 83  
 Week: 04  
 Month: [blank]

Date  
**2000-06****SERVICE INFORMATION**Page  
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Product: DW95

Date: 98-03-12

**TOPIC: DOOR SPRINGS**

There are three different sets of door springs, as defined below:

| <b>Part Number</b> | <b>Machine</b>  | <b>Weight Capacity</b> | <b>Color Coding</b> |
|--------------------|---|------------------------|---------------------|
| 80 584 91-77       | For all standard machines                                 | 9 lbs.                 | none                |
| 80 602 32-77       | For integrated and fully-integrated machines              | 12 lbs.                | yellow              |
| 80 713 23-77       | Heavy-duty for wooden panels, available as accessory part | 22 lbs.                | red                 |



Color code



Product: DW95

Date: 98-03-13

**TOPIC: WATER LEVEL**

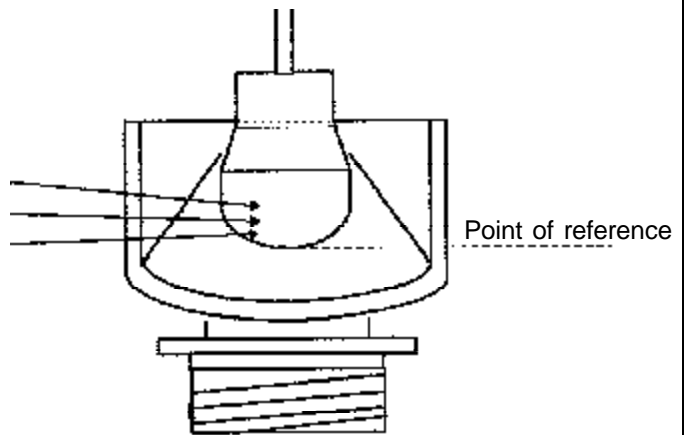
Switch level transferred to measuring points on the coil arm bearing.

**Timer-controlled machines**

Water flow inlet valve = 3.8 +/- 5% ltr / min

Intake time = 60 seconds

- Max. tol. 3.8 +5% = 3.9 ltr    +3 mm
- Max. tol. 3.8 +/- 5% = 3.9 ltr    +2 mm
- Max. tol. 3.8 -5% = 3.9 ltr    +1 mm

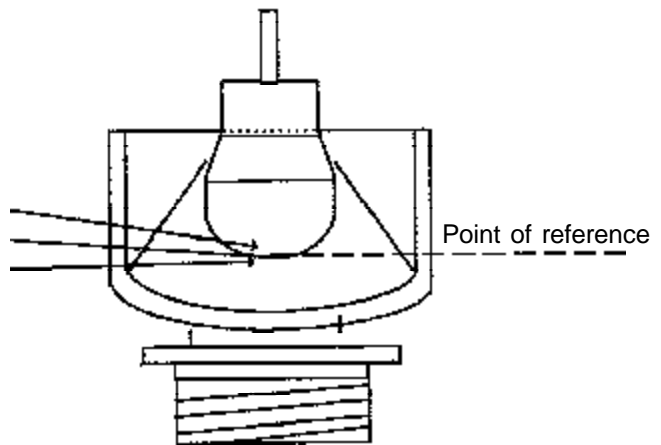


**Electronic machines**

Water flow inlet valve = 3.8 +/- 5% ltr / min

Intake time = 57 seconds

- Max. tol. 3.8 +5% = 3.7 ltr    +1 mm
- Max. tol. 3.8 +/- 5% = 3.51 ltr    +0 mm
- Max. tol. 3.8 -5% = 3.3 ltr    -1 mm



**Note:** Start with dry bottom well, which gives a 2mm lower level.

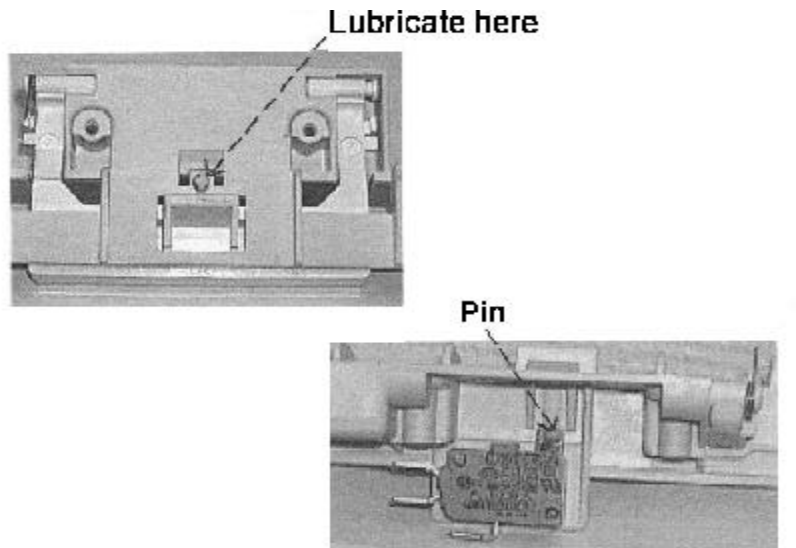
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Product: DW95

Date: 98-03-13

**TOPIC: GUIDE PIN FOR DOOR LOCK**

Occasionally, the guide pin for the door lock may freeze or become stuck, causing the machine not to stop when the door is opened. To prevent this, you can lubricate the guide pin with petroleum jelly.



|                        |                            |                   |
|------------------------|----------------------------|-------------------|
| Date<br><b>2000-06</b> | <b>SERVICE INFORMATION</b> | Page<br><b>25</b> |
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Product: DW95

Date: 98-03-13

**TOPIC: CONTROL UNIT FAILURE ANALYSIS**

To prevent repeated exchanges of control units due to failures in auxiliary components (circulation pumps, inlet valves, etc.), a simple check on the control unit should be done to determine what cause the failure.

If any of the control unit components listed below or the conductive pattern (copper foil on the soldering side) near these components are damaged, most likely the external component caused the failure and should be ohm-measured. In the case of short-circuits, the components should be exchanged along with the control unit.

| <b>External Component</b> | <b>Associated Output Components</b>                               |
|---------------------------|---|
| Heater                    | K1, PF2   |
| Drain pump                | K2, P1 5  |
| Circulation pump          | K3, P1 3  |
| Inlet valve 1             | Q13, R36, R52, D22, D24, P1 7                                     |
| Inlet valve 2             | Q6, R43, R55, D26, D27, P1 8                                      |
| Combi-dispenser           | Q12, R50, R58, D21, D23, P2 3                                     |
| Fan and wax motor         | Q16, R46, R56, D18, D19, P3 3                                     |
| Interior light            | P4 3 (after 9740, the lamp is not connected to the control unit.) |

K=Relay  
Q=Triac  
R=Resistor  
D=Diode  
P=Connector

**Note:** Once the wax motor has dried out, it is not possible to measure for faults. Remove the wax motor and check for burn marks. For complete certainty, replace the wax motor.

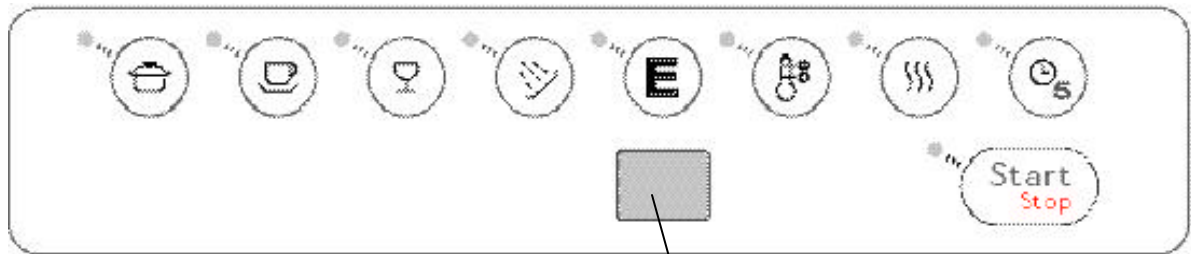
Product: DW95

Date: 95-10

**TOPIC: REMAINING TIME INDICATION**

Dishwashers with an LED window show how much time remains for the program to run. This is calculated on the assumption that the incoming water is at a temperature of 141°F (60°C).

If the machine is connected to a cold water supply, the time display for the remaining time will be incorrect the first time each program is run. On subsequent runs of the respective programs, the machine will calculate the time based on how long the program took on the previous run.



Remaining time displays in the LED window.