



TECHNICAL INFORMATION Touchtronic Clothes Dryers

Includes: T1302, T1303, T1322, T1329ci
T1403 & T1405

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General Information

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A Warning and Safety Instructions

1 General Information

Service of this appliance should only be performed by qualified personnel; in accordance with local and national codes.

Power should be disconnected from the appliance during service.
Unplug the appliance, or the shut off the appropriate circuit breaker.

Technical Information

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B **Modification History**

04/2004	Miele USA	Preliminary Information
06/2004	Miele USA	Revised
08/2004	Miele USA	Revised

Technical Information

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C Technical Data

Overview of Models

Model Number	Capacity	Additional Information
T1302	5 Kg	Angled Controls, Vented
T1303	5 Kg	Flat Controls, Vented
T1322C	5 Kg	Angled Controls, Condenser
T1329C	5 Kg	Fully Integrated Style, Condenser (match for W1119)
T1323C	5 Kg	Flat, Condenser
T1403	6 Kg	Angled Controls, Vented
T1405	6 Kg	Angled Controls, Vented, Stainless Steel Finish

Table C-1: Overview of model numbers

Note

All models are left hinged. The door cannot be changed to right hinge operation.

Electrical Information

Electrical Requirements	Electrical Connection
120/240 (208) VAC (4 wire connection) 60 Hz, 15amp Circuit	NEMA 14-30 Molded Plug (Do not remove)

Table C-2: Electrical information

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D Layout of Electrical Components Vented Models

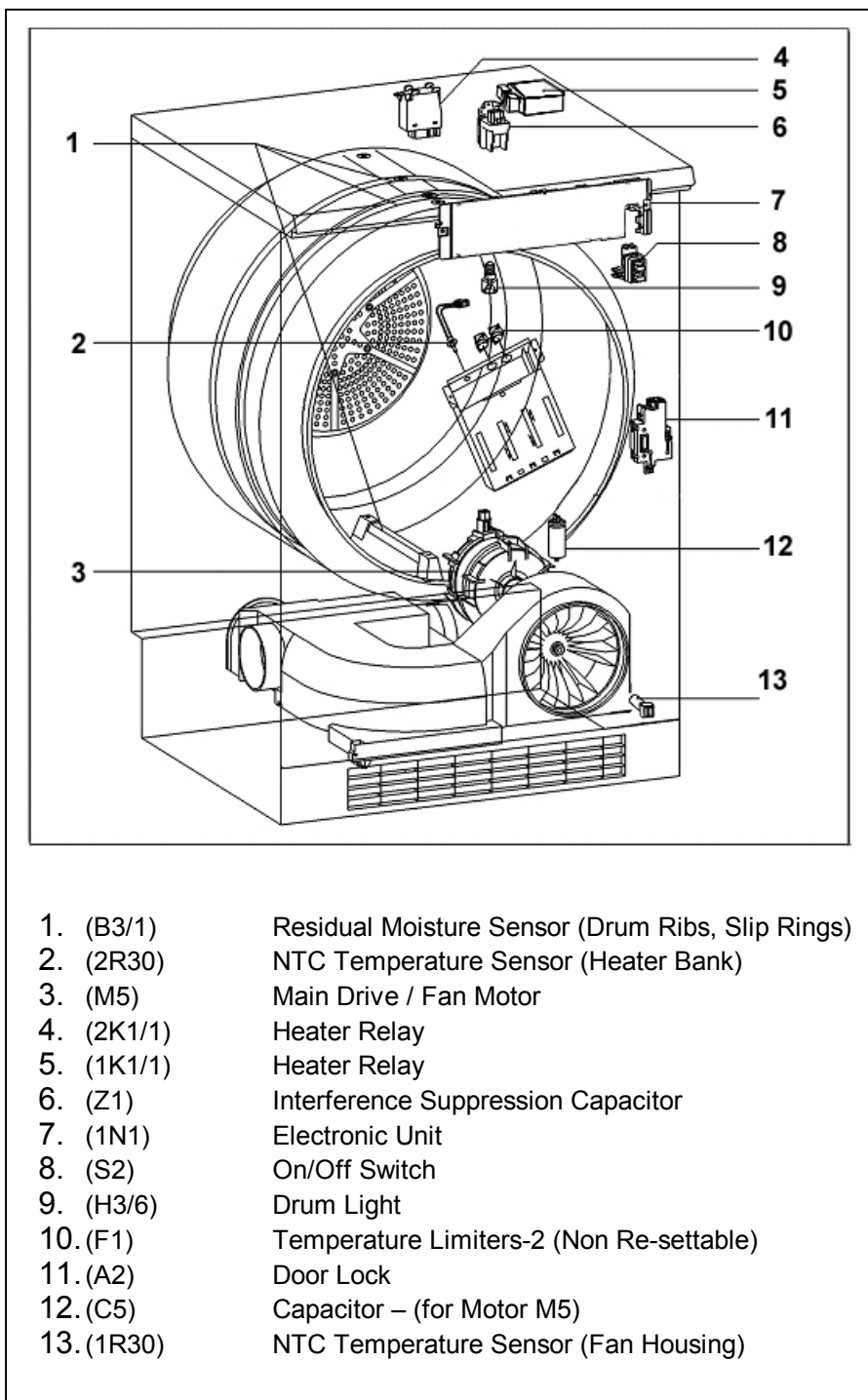


Figure D-1: Overview of Components – Vented Models

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D Layout of Electrical Components Condenser Models

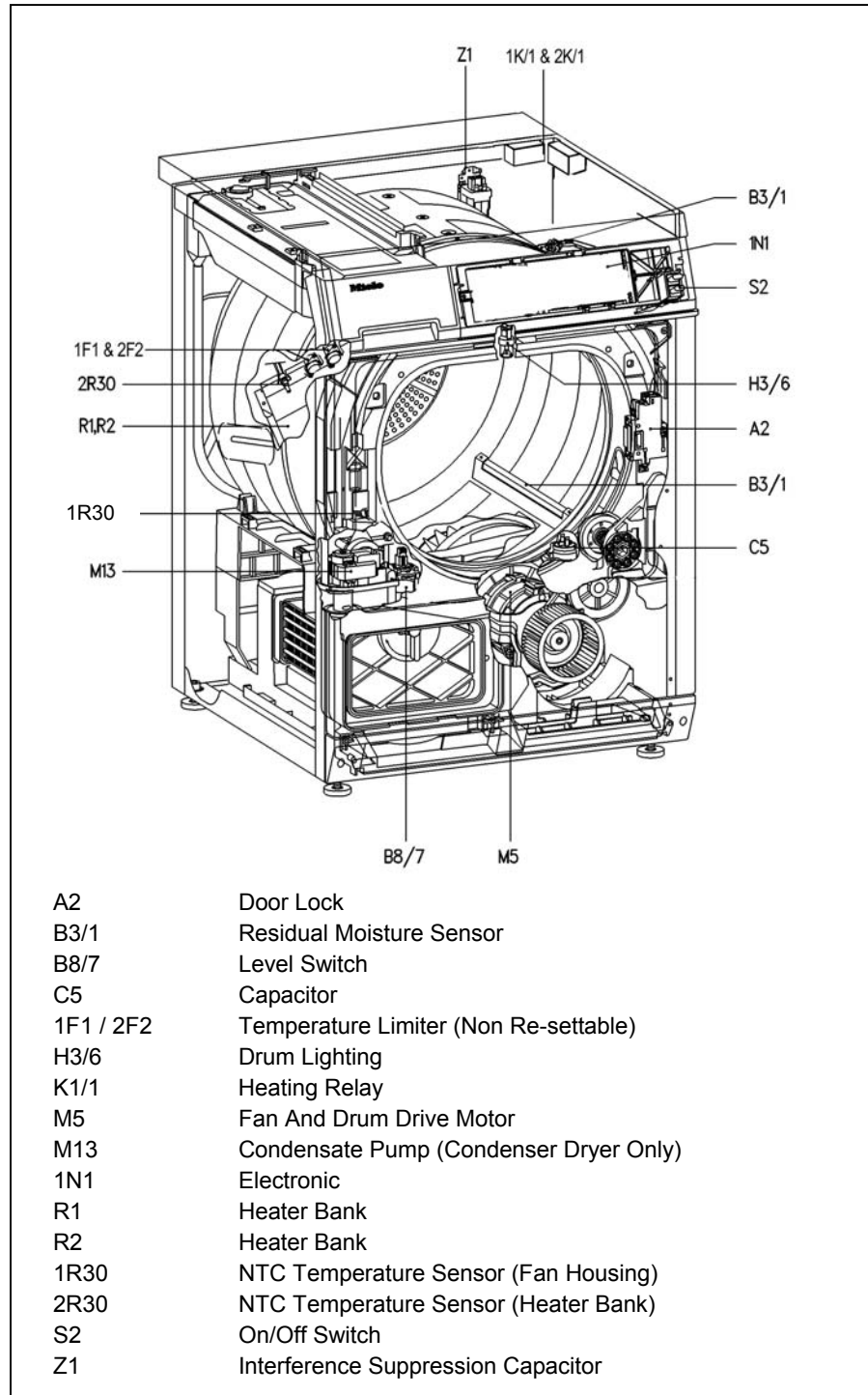
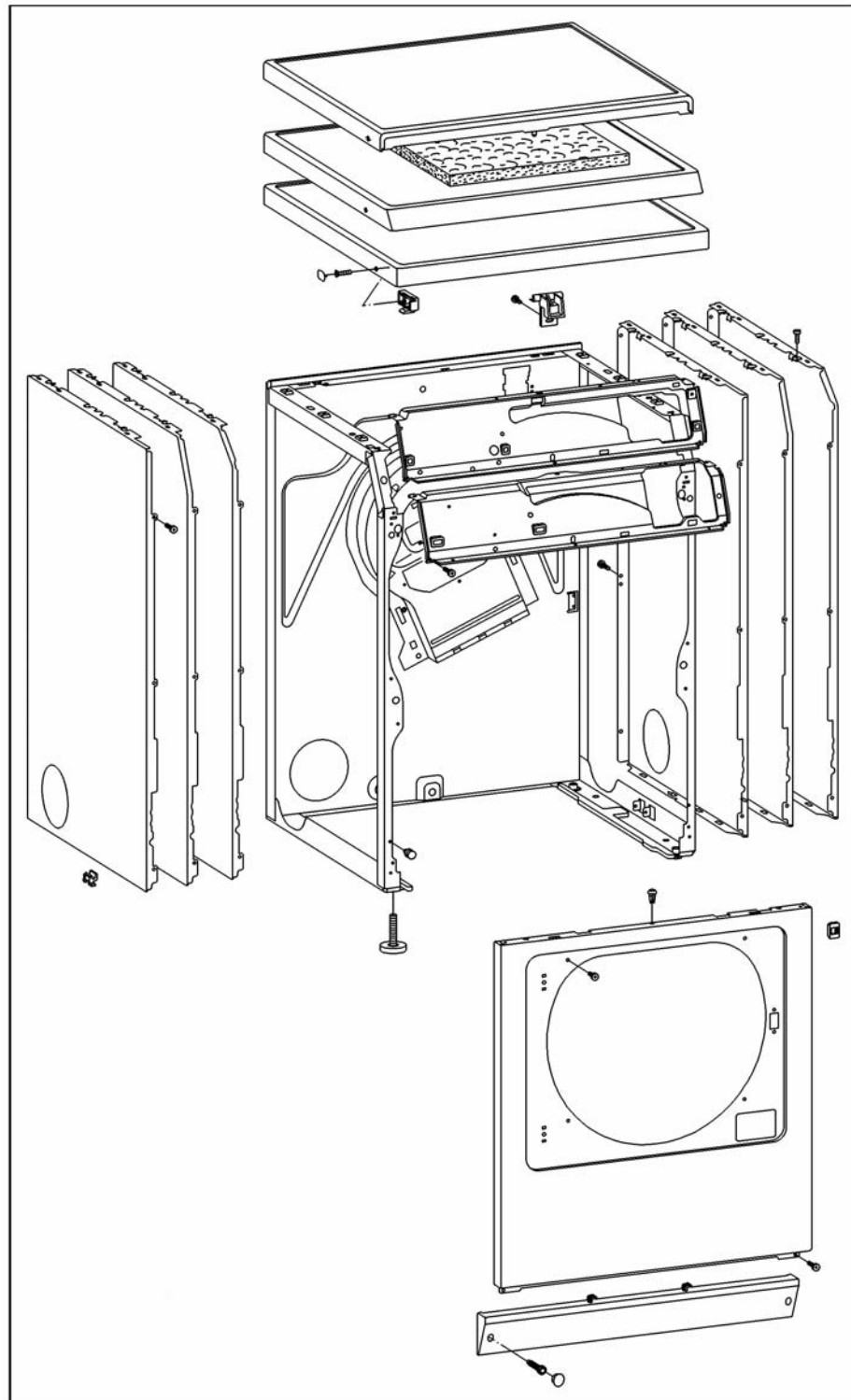


Figure D-2: Overview of Components – Condenser Models

Technical Information

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010 Cabinet and Front Panel



Technical Information

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1 Technical Data

- To Be Updated

2 Function

n/a

3 Fault Repair

n/a

4 Service

4.1 Lid - Removal

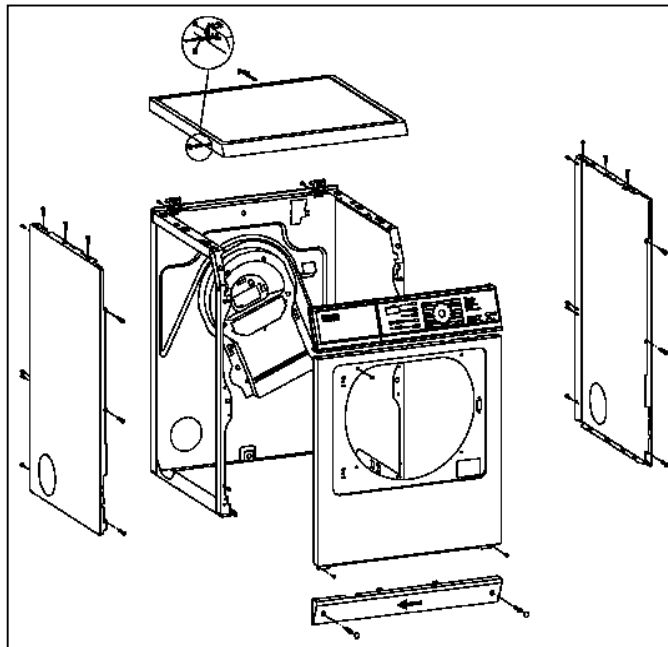


Figure 010-1: Cabinet Construction

1. Remove the screw caps from the side edges of the lid.
2. Loosen the screws about 4 to 5 turns.
3. Press in on the screws, lift the lid from the front and slide it toward the rear. Lift the lid to remove.

Note

It is not necessary to remove the lid to access / replace the electronic.

Technical Information**4.2 Toekick Removal**

1. Remove the screw caps, Figure 010-1.
2. Remove the screws.
3. Slide the toekick to the left; pull from the appliance to remove.

4.3 Front Panel - Removal

1. Open the door.
2. Remove the two Door Lock screws.
3. Remove the five screws around the door opening.
4. Remove the toekick (010 4.2).
5. Support the panel from the bottom. Remove the two screws from the bottom corners of the panel.
6. Guide the panel downward to remove it from the appliance.

4.4 Side Panel - Removal

1. Remove the Lid (010 4.1).
2. Remove the Front Panel (010 4.3).
3. Refer to Figure 010-1. Remove the three screws from both rear edges of the panel.
4. Remove the three screws from the top edge of the panel.
5. Remove the three screws from the front edge of the panel.
6. If equipped - remove the dryer vent (or cap).
7. Pull the panel outward from the top.
8. Push the panel down to unclip it from the bottom of the frame.

Reassembly Note

Install the panel at the bottom first. Ensure the lip on the panel engages with the frame of the appliance. The 2 middle screws / washers provide the ground to the panels. Ensure they are tight during reassembly.

4.5 Support Bracket – Removal

1. Remove the Lid (010 4.1).
2. Remove the Fascia Panel (060 4.4)
3. Disconnect the connectors and pushbutton assembly from the electronic.
4. Remove the rear frame of the Fascia Panel.
5. Disconnect the ground wire.

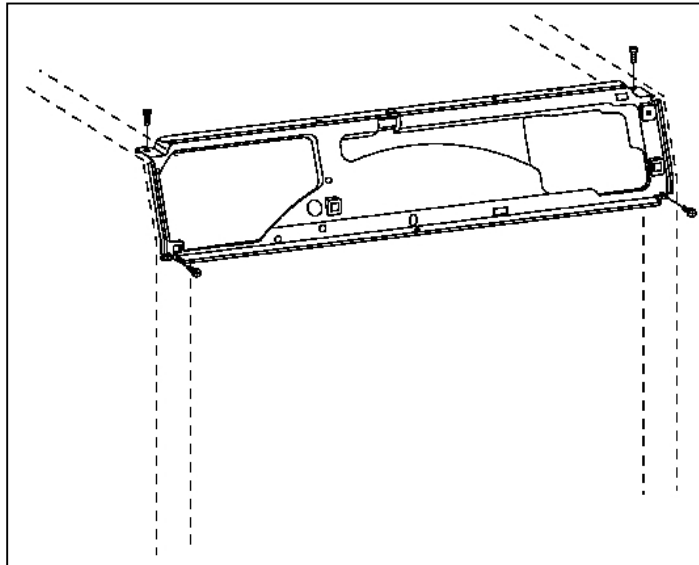


Figure 010-2: Support bracket

6. Remove the four T20 screws, Figure 010-2.
7. Lift upwards to remove the support bracket.

Reassembly Note

During re-assembly ensure the Support Bracket tabs are completely engaged into the frame before tightening the screws.

4.6 Rear Access Panel - Removal

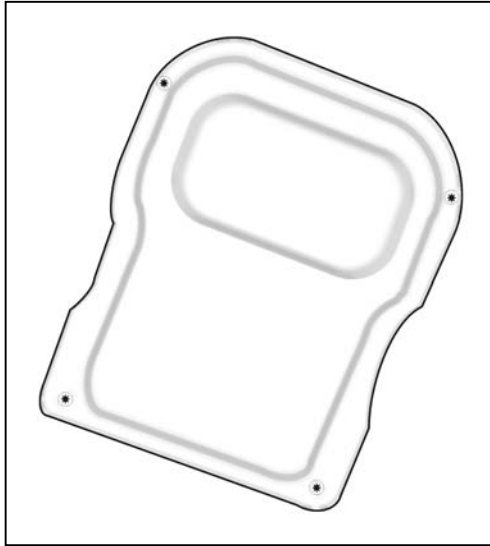


Figure 010-3: Rear Access Panel

1. Remove the 4 retaining screws.
2. Lift the panel from the appliance.

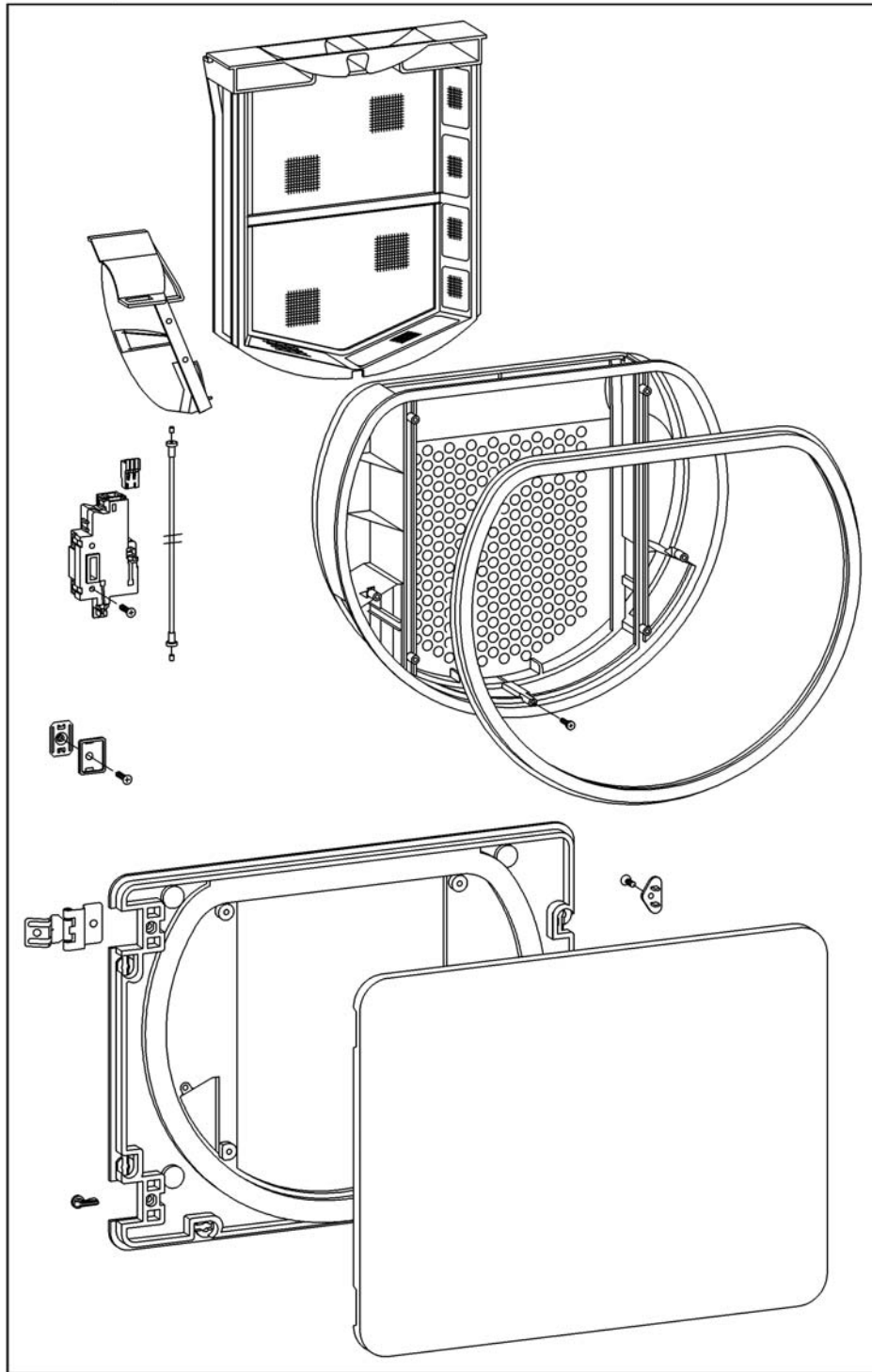
Note

Remove the Rear Access Panel for access to:

- The Heater Bank
- The Heater Bank (NTC) Temperature Sensor
- Both Temperature Limiters
- The Rear Drum Bearing

Refer to section 030 / Heater Bank for further information.

020 Door and Door Lock



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1 Technical Data

1.1 Door Lock

Mechanically operated; via cable and door button.

2 Function

n/a

3 Fault Repair

n/a

4 Service

4.1 Outer Door Panel – Removal

1. Open the door.
2. Refer to Figure 020-1.
3. Turn the six retainers a quarter turn counterclockwise.
4. Pull the bottom of the outer door panel (while lifting it upward) to remove.

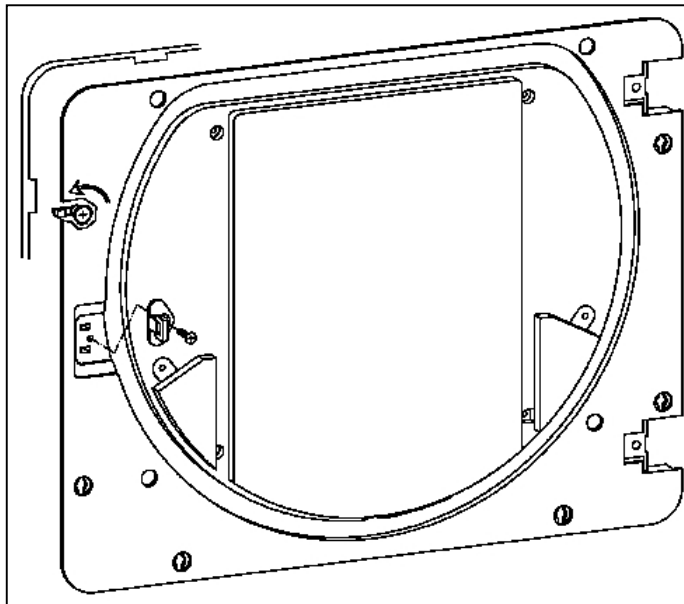


Figure 020-1: Removing the outer door panel.

4.2 Door Lock – Removal

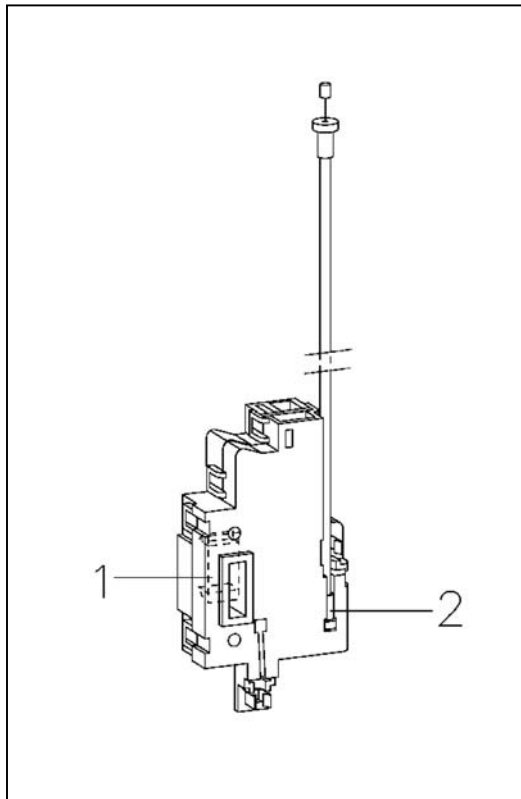


Figure 020-2: Door Lock

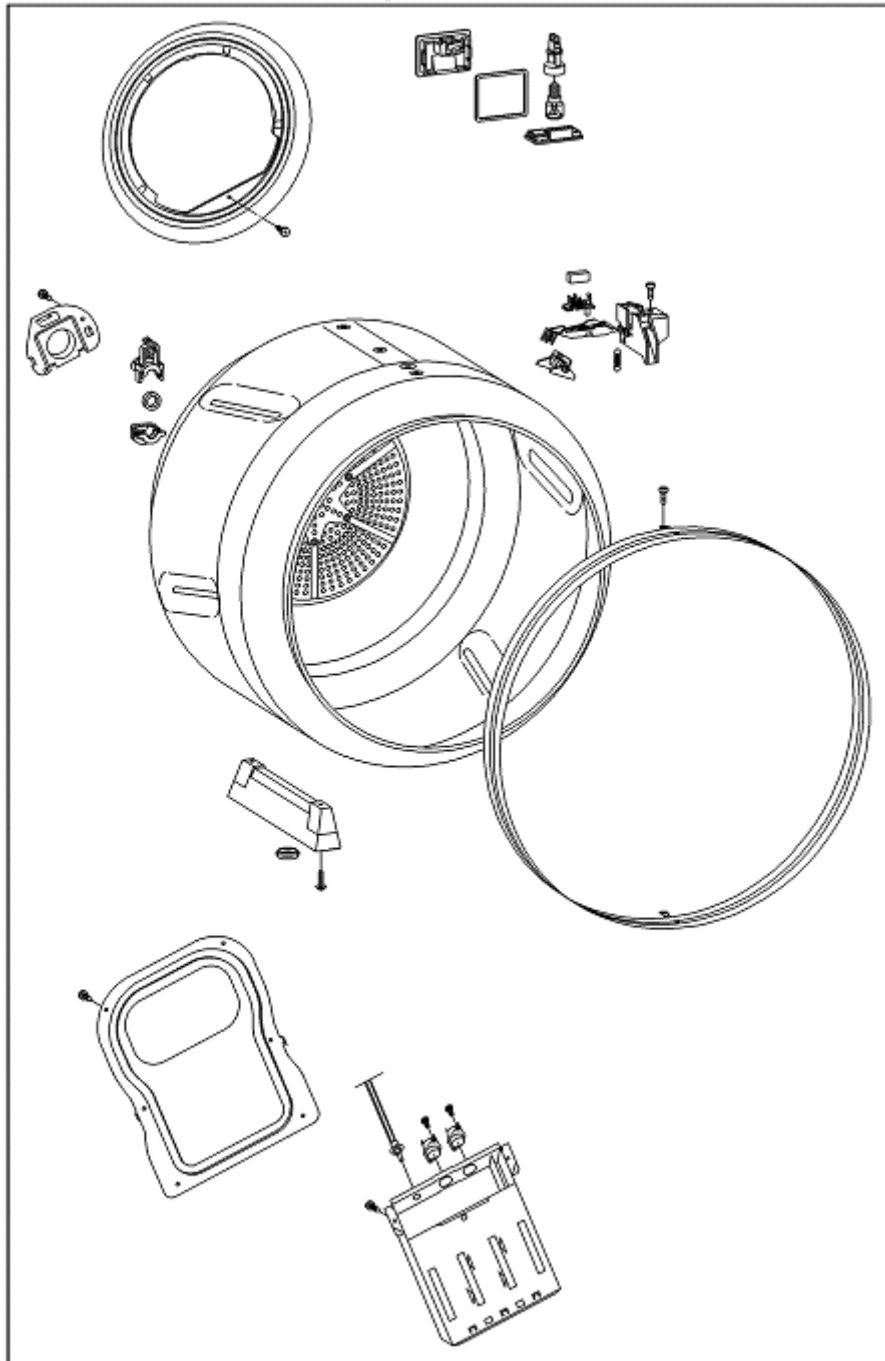
1. Open the door.
2. Remove the Front Panel (010 4.3).

Note

Refer to Figure 020-2. The Door Lock, (1) uses a snap-in style retainer to attach to the drum support housing.

3. Remove the Door Lock from the drum support housing.
4. Disconnect the electrical connection.
5. Release the cable (2).

030 Drum, Rear Bearing, Sensor and Heater Bank



Technical Information

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1 Technical Data

1.1 Heater Bank (NTC) Temperature Sensor – Resistance Values

The heater bank temperature is monitored by the electronic via an NTC (Negative Thermal Coefficient). Temperature Sensor mounted at the top of the Heater Bank Assembly. As the temperature increases – the resistance of the sensor decreases.

Temperature (°C)	Temperature (°F)	Resistance (kΩ)
15	59	159
20	68	126
25	77	100
30	86	80.2
35	95	64.8
40	104	52.7
45	113	43.1
50	122	35.5
55	131	29.4
60	140	24.5
65	149	20.5
70	158	17.3
75	167	14.6
80	176	12.5

Table 030-1: Heater Bank Temperature Sensor resistance values

1.2 Heater Element – Activation

Program	Option Selected	Heater Element R1	Heater Element R2
Normal	-	N	Y
Normal	Turbo	Y	Y
Normal	Full Load	Y	Y
Normal	Gentle	N	Y

Table 030-2: Heater Element Activation

2 Function

2.1 Residual Moisture Sensor System

The Electronic Residual Moisture Sensor system uses the amount of moisture in the laundry to determine how wet / dry the laundry is.

2.1.1 Residual Moisture Sensing – Drum Assembly

The contacts for the system are isolated as follows:

- Contact 1 – Drum Body
- Contact 2 – Drum Ribs

The contacts connect to two slip rings on the outside of the drum.

2.1.2 Residual Moisture Sensor – Brush Assembly

The Brush Assembly is mounted on the right side top edge of the frame. The Sensor has two brushes that contact the slip rings on the outside of the drum. The signal is sent to the Electronic through connector JP1 (pins 1 and 2) on the Electronic.

2.2 Drum Bearing

The Rear Drum Bearing provides support for the rear of the drum. The bearing assembly is fitted to the rear panel of the appliance using a twist-lock design.

2.3 Heating

2.3.1 Heater Bank

The Heater Bank uses two independently controlled elements (R1 and R2). AC power to elements is controlled by the Electronic via two independent Heater Relays.

2.3.2 Heater Bank Temperature Sensor

The temperature of the Heater Bank is monitored by the Electronic via the Temperature Sensor mounted at the top of the Heater Bank Assembly. Refer to 030 1.1 for further operating information.

2.3.3 Thermostats (Temperature Limiters)

Two electrically isolated safety thermostats are mounted at the top of the Heater Bank Assembly. Both devices interrupt power to the elements should the temperature exceed a specific temperature.

Note

The thermostats are non-resettable SOD (Single Operation Devices). Should the device electrically open the circuit– it must be replaced.

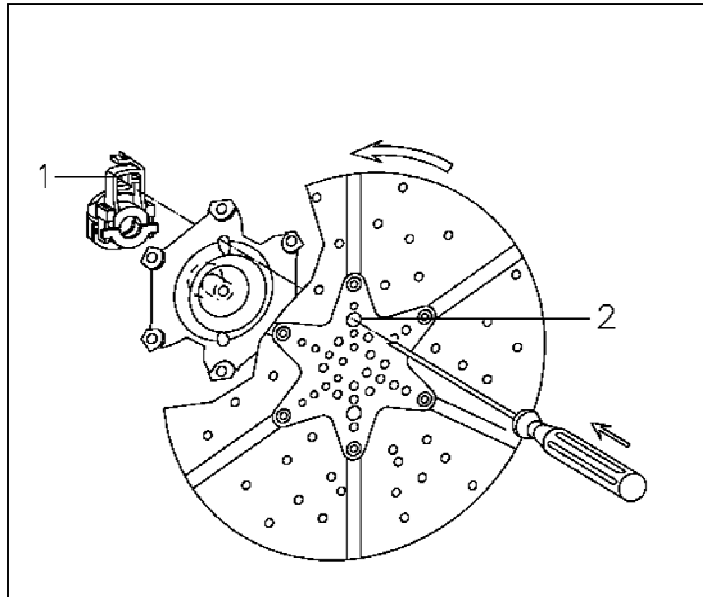
3 Fault Repair

n/a

Technical Information

4 Service**4.1 Drum - Removal**

1. Remove the Front and Side Panel (010 4.3 and 4.4).
2. Remove the Support Bracket (010 4.5)
3. Remove the drum support housing (050 4.1)
4. Release the Drive Belt from the intermediate drive.

**Figure 030-1:** Drum Bearing

5. Refer to Figure 030-1.
6. Block the Bearing using a screwdriver through the opening (2) in the rear panel of the drum.
7. While holding the screwdriver; turn the drum counterclockwise.
8. Move the drum forward to remove it from the frame.

Re-Assembly Note

Ensure the Bearing is twisted and locked back into position. A screwdriver can be used to hold the bearing in place during re-installation (see Figure 030-1).

4.2 Drum Rib - Removal

1. Remove the lid (010 4.1)
2. Refer to Figure 030-2,
3. Remove the screws (1).
4. Remove the slip ring screw (2).
5. Reassemble by following these instructions in reverse order.

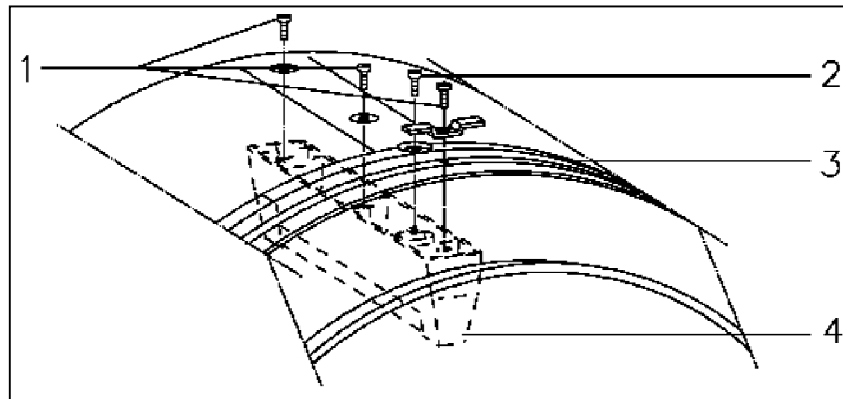


Figure 030-2: Drum Rib Hardware

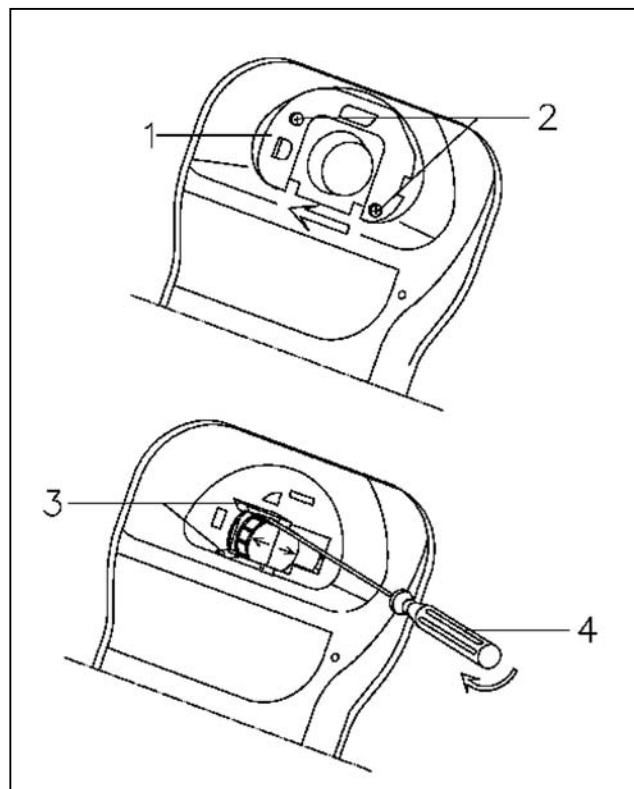
4.3 Slip Ring - Removal

1. Remove the Drum (030 4.1).
2. Remove the slip ring screws.
3. Turn the drum by hand about 180° and remove the screws from the second drum rib.
4. Remove the slip ring from the drum.

Technical Information

4.4 Drum Bearing - Removal

1. Remove the Rear Access Panel (010 4.6).
2. Refer to Figure 030-3.
3. Remove the 2 screws (2),
4. Slide the cover (1), to the left and remove it.
5. Turn the Drum Bearing clockwise until it is fully visible.
6. Open the bearing shell clips (3), with a small screwdriver (4).
7. Remove the bearing shells to the left and right.

**Figure 030-3:** Drum Bearing

4.5 Heater Bank - Removal

1. Remove the Lid (010 4.1)
2. Remove the Rear Access Panel (010 4.6).

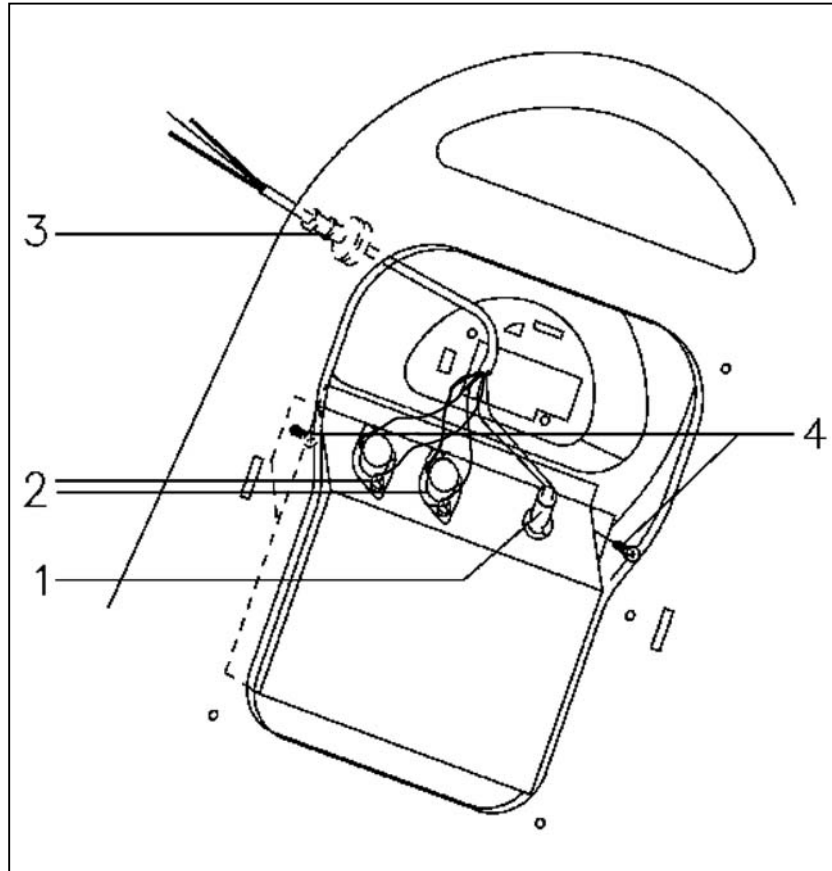


Figure 030-4: Heater bank, temperature limiters and temperature sensor

3. Note and disconnect the electrical connectors.
4. Refer to Figure 030-5.
5. Release the wiring harness from its holder (1).
6. Remove the rubber grommet (3), with the wiring harness.

Technical Information

7. Refer to Figure 030-4. Remove the two 7mm screws (4).
8. Remove the heater bank.

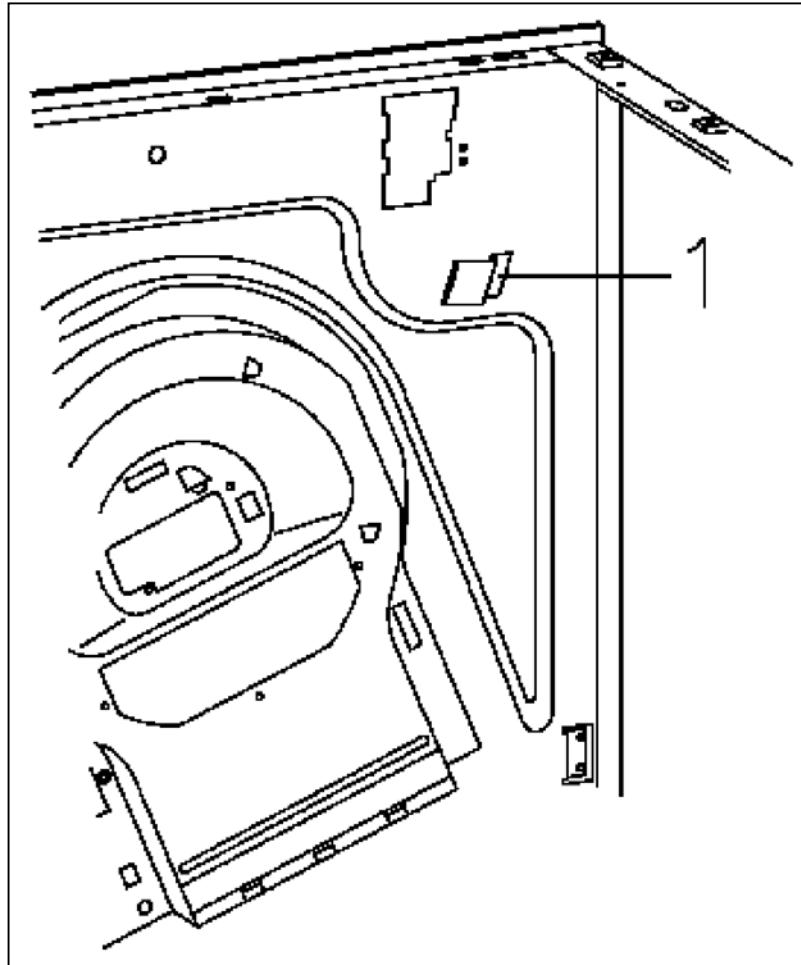


Figure 030-5: Wiring harness holder

Reassembly Note

To prevent damage to the wiring, ensure the harness is secured in its holder (Figure 030-5).

4.6 NTC Temperature Sensor - Removal

1. Remove the Rear Access Panel (010 4.6).

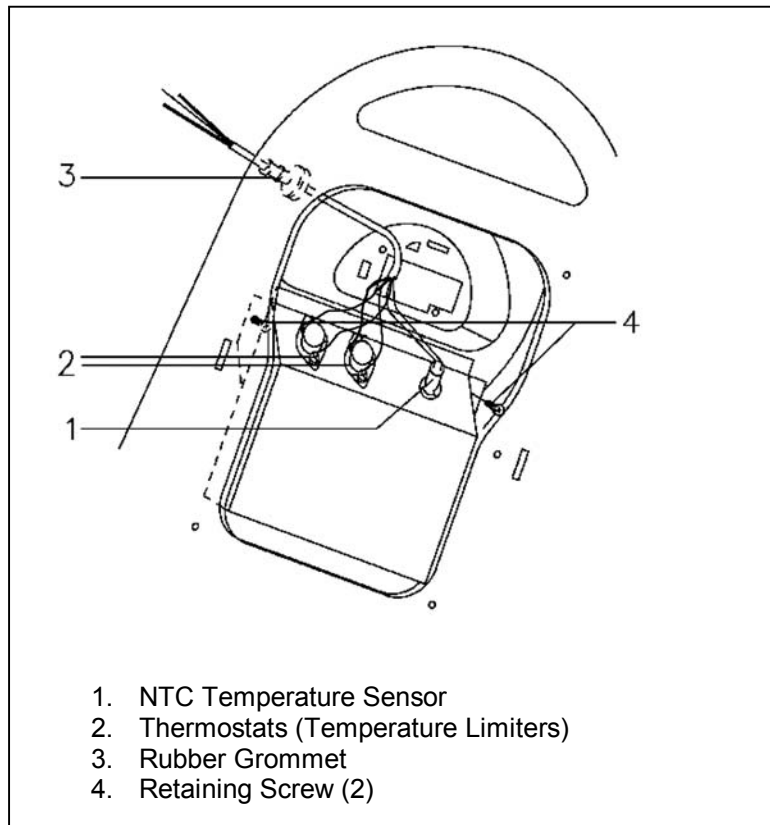


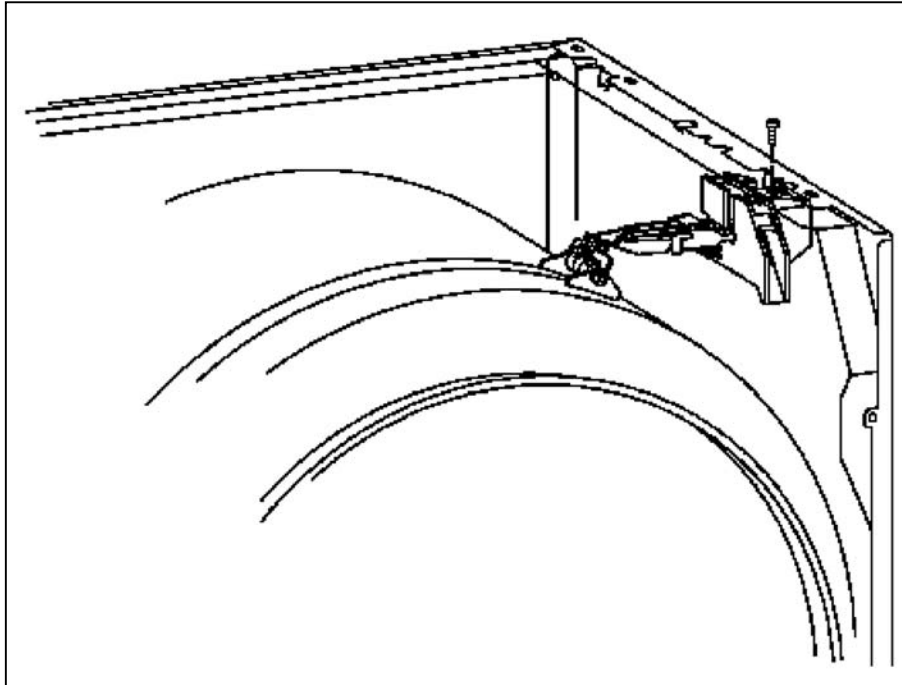
Figure 030-6: Removing the access cover on the rear outer wall of the appliance permits access to the Heater Bank, Thermostats (Temperature Limiters) and Temperature Sensor.

2. Disconnect the connector to the Sensor.
3. Bend the sensor retaining tabs to release the sensor from the Heater Bank Assembly.

Technical Information

4.7 Thermostats (temperature limiters) - Removal

1. Remove the Rear Access Panel (010 4.6).
2. Note and disconnect the electrical connections.
3. Remove the screws.
4. Lift the Thermostat(s) from the Heater Bank Assembly.

4.8 Residual Moisture Sensor – Removal**Figure 030-7:** Wiring harness holder

1. Remove the Lid (010 4.1)
2. Remove the mount screw.
3. Release the wiring from the base plate / frame.
4. Disconnect the ground wire.
5. Access the Electronic (060 4.5).
6. Disconnect connector "JP1" from the Electronic.
7. Remove the assembly from the edge of the casing.

4.9 Residual Moisture Sensor Carbon Brush - Replacement

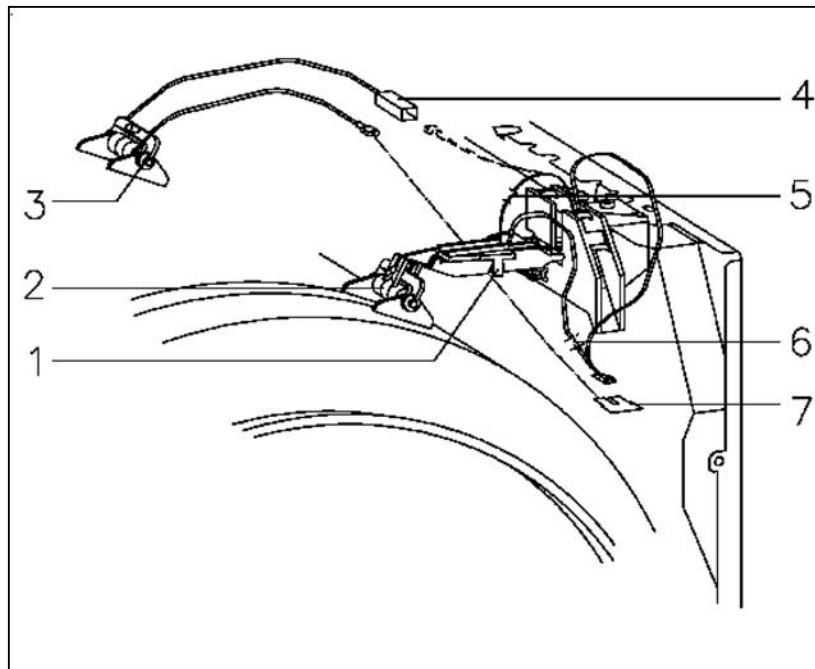
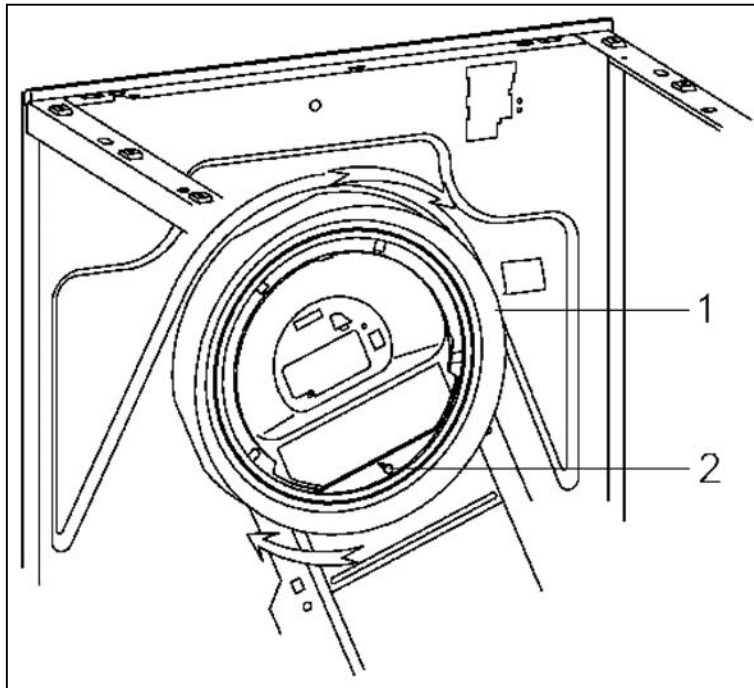


Figure 030-8: Residual Moisture Sensor Brush Replacement

1. Remove the Lid (010 4.1).
2. Refer to Figure 030-8.
3. Lift the Brush Assembly arm and release the two brushes from the arm.
4. Remove the snap on cover (1) from the arm.
5. Install the new brushes on the holder arm.
6. Cut the black wire (5), at the connector to the braided copper wire. Install an insulating sleeve and splice the black wire from the new carbon brush. Ensure the connection is tight and sealed.
7. Cut off the green/yellow wire next to the double connection plug.
8. Connect the green/yellow wire from the new carbon brushes to the double connector on the edge of the casing (7).
9. Secure the plug and wiring to the wiring retainers.

Technical Information

4.10 Rear Seal - Removal

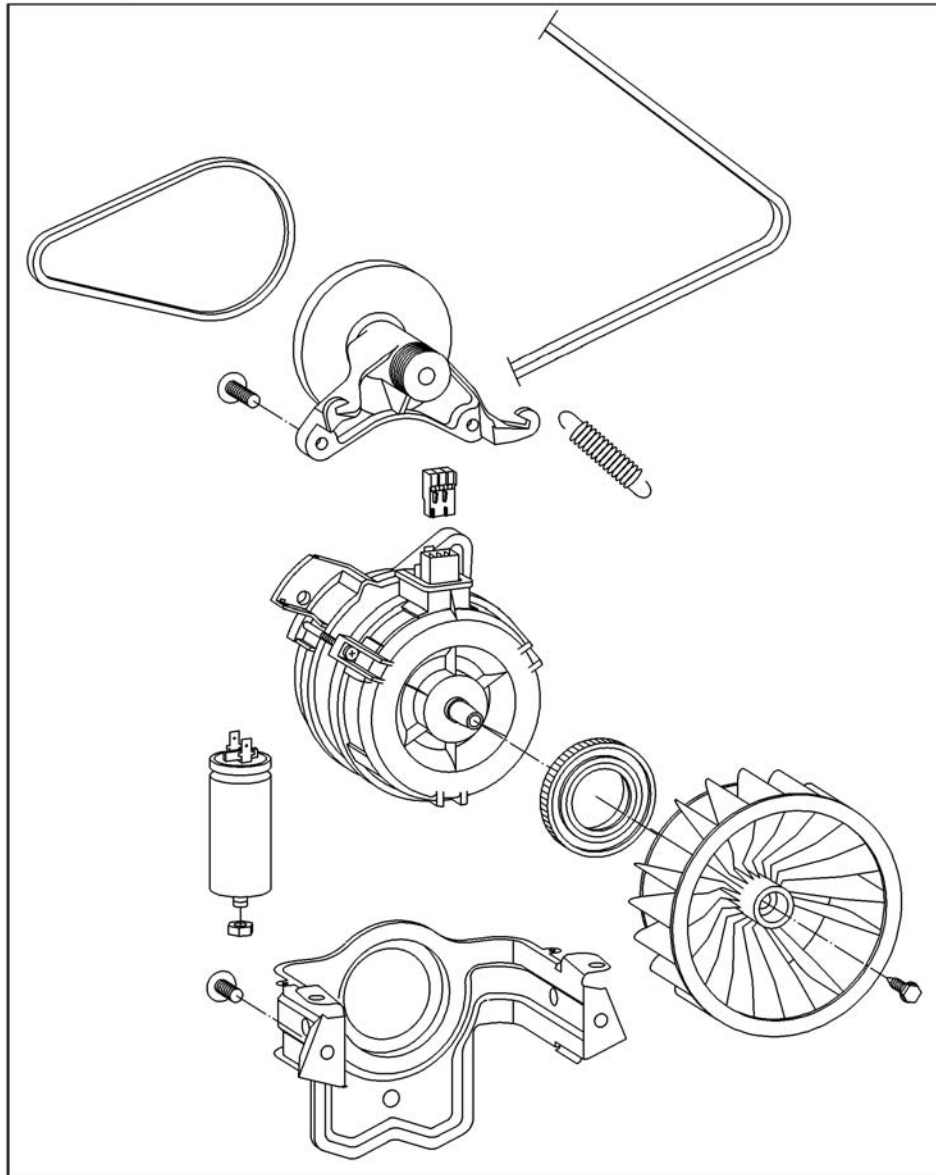
**Figure 030-9:** Rear Drum Seal

1. Remove the Drum (030 4.1)
2. Refer to Figure 030-9.
3. Remove the screw (2).
4. Turn the seal and fixing ring (1), counterclockwise to remove it from the holder.

Note

To properly install the seal, it must be rotated clockwise. Refer to Figure 030-9.

040 Drive and Fan Motor



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1 Technical Data

Main Motor	120VAC
------------	--------

2 Function

2.1 Main Motor

The Main Motor provides power to the Drum using an intermediate gear / drive belt assembly.

The fan impeller(s) (two on condenser dryers – refer to Figure 040-1) are mounted on the motor shaft and move the airflow through the appliance.

Reversing of the motor is controlled by the Electronic.

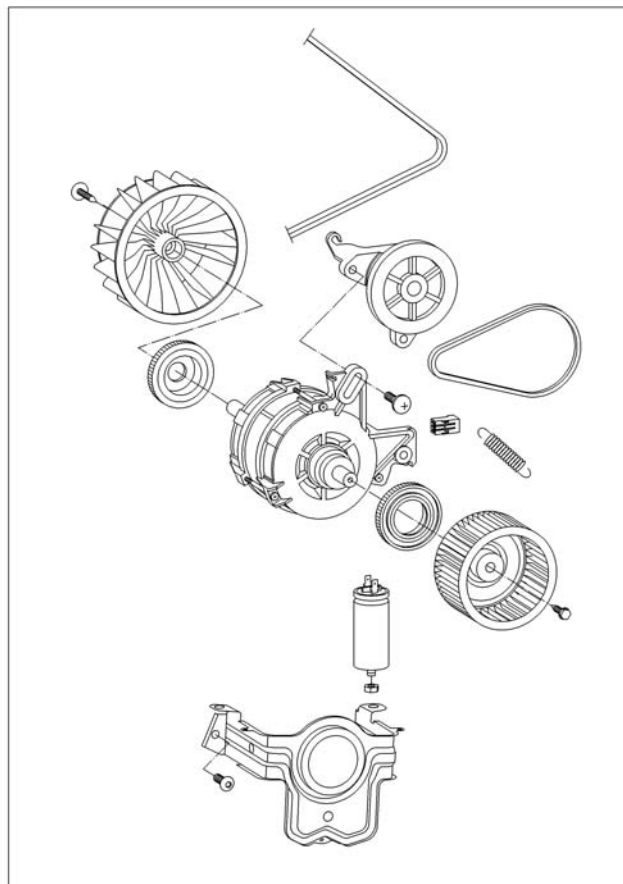
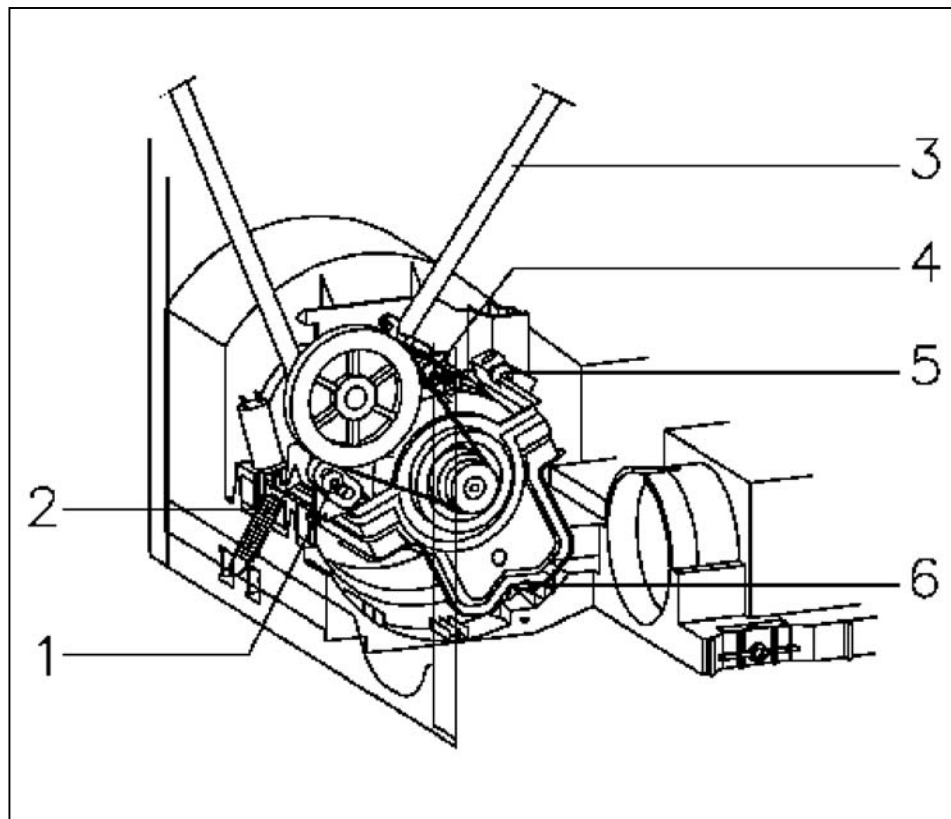


Figure 040-1: Motor and Fan Impellers (Condenser Models)

Technical Information

3 Fault Repair

n/a

4 Service**4.1 Drum Drive Belt - Removal****Figure 040-2:** Drives

1. Remove the right Side Panel (010 4.4)
2. Refer to Figure 040-2.
3. Unclip the spring (2).
4. Remove the Support Bracket (010 4.5)
5. Remove the drum support housing. (050 4.1).
6. Remove the drive belt by lifting it from the drum toward the front of the appliance.

4.2 V-Belt - Removal

1. Remove the right Side Panel (010 4.4)
2. Refer to Figure 040-1.
3. Unclip the tensioning spring (2).
4. Loosen the bolts (1 and 4), and remove the V-belt.

4.3 Intermediate Drive - Removal

1. Remove the Drum Drive Belt (040 4.1)
2. Remove the V-Belt (040 4.2)
3. Remove the bolts (1 and 4), and remove the intermediate drive.

4.4 Fan Impeller (Vented Models) – Removal

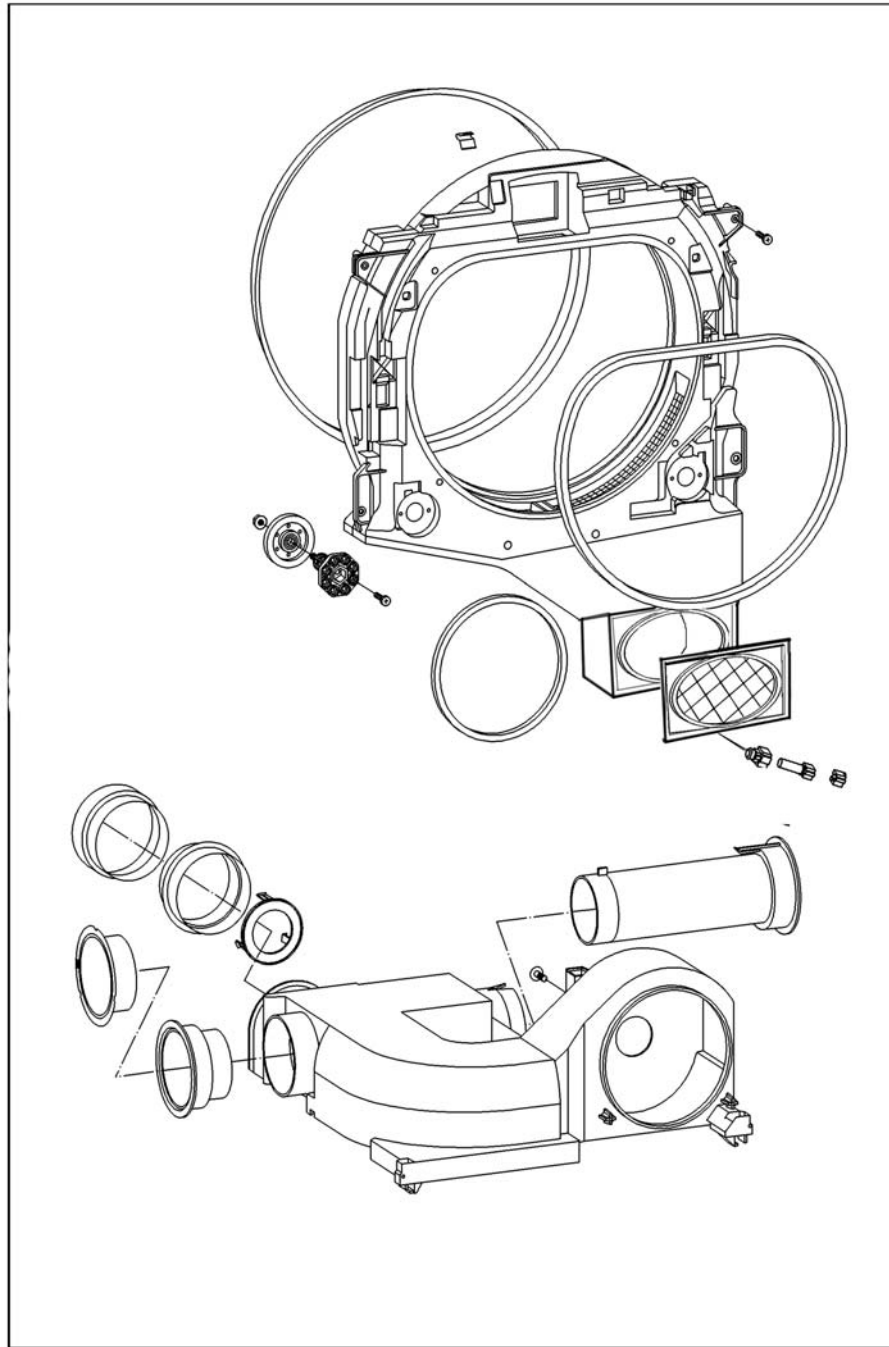
1. Remove the right Side Panel (010 4.4)
2. Remove the access cover from the Fill Ring. (050 4.1)
3. Hold the Fan Impeller and remove the 10 mm bolt from the center of the Fan Impeller
4. Remove the Fan Impeller from the shaft.

4.5 Drive Motor (Vented Models) - Removal

1. Remove the right Side Panel (010 4.4).
2. Remove the access cover from the drum support housing.
3. Remove the Fan Impeller (040 4.4).
4. Remove the Ducting – as necessary.
5. Remove the Drive Belt (040 4.1)
6. Disconnect the drive motor connections.
7. Refer to Figure 040-1. Remove the two mounting screws (6).
8. Turn the motor bracket slightly counterclockwise and lift it from the appliance.

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050 Air Circulation and Front Bearing



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1 Technical Data

1.1 1R30 (NTC) Temperature Sensor (Fan Housing) - Resistance Values

Temperature (°C)	Temperature (°F)	Resistance (kΩ)
15	59	18.6
20	68	14.9
25	77	12.0
30	86	9.73
35	95	7.96
40	104	6.55
45	113	5.42
50	122	4.52
55	131	3.78
60	140	3.19
65	149	2.70
70	158	2.29
75	167	1.96
80	176	1.68

Table 050-1: Fill Ring Temperature Sensor resistance values

2 Function

2.1 Drum Support Housing

The Drum Support Housing:

- Guides the drying air from the drum to the air guide
- Contains the Front Drum Bearing and Front Seal
- Secures the Drum Light Assembly
- Contains a removable access panel to the Fan Impeller (vented models only)
- Provides a port for 2nd NTC Temperature Sensor.

2.2 Front Drum Bearing

The Front Drum Bearing consists of two rollers that support the Drum from the bottom / front.

2.3 NTC Temperature Sensor

The NTC Temperature Sensor in the drum support housing measures the temperature of the drying air flowing through it. On vented dryers the sensor is fitted on the right side, below the access panel. On condenser models the sensor is fitted on the left side of the drum support housing.

2.4 Front Seal

The Front Seal provides an airtight connection between the drum and the drum support housing.

2.5 Porthole Seal

The Porthole Seal provides the airtight connection to allow the correct passage of air through the air filter fitted within the front door.

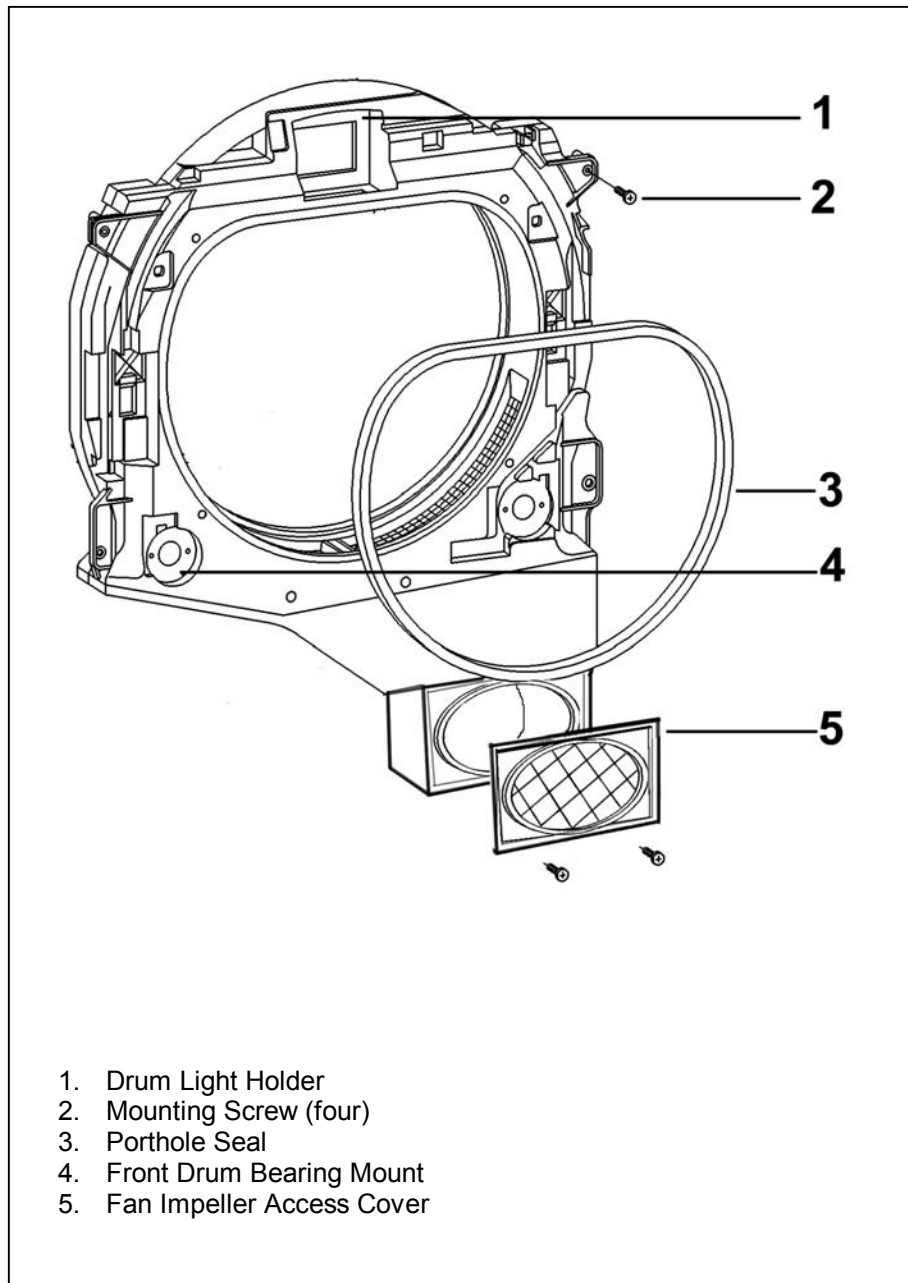


Figure 050-1: Drum Support Housing (Vented Models)

Technical Information

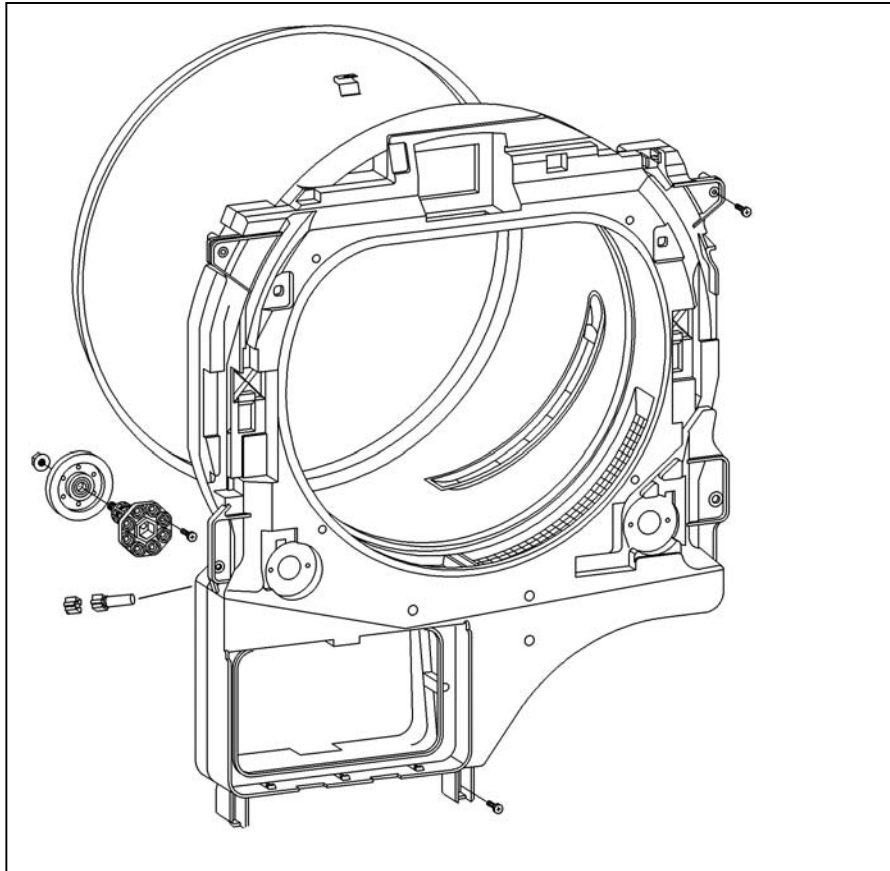


Figure 050-2: Drum Support Housing (Condenser Models)

3 Fault Repair

3.1 Drying temperature too high

Cause

Excessive lint build-up

Remedy

Clean the filter(s), drum support housing temperature sensor and ducting as necessary.

4 Service

4.1 Drum Support Housing – Removal

Caution

To prevent damage to the Rear Drum Bearing, ensure the drum is empty and no excess weight is placed on the drum while the drum support housing is uninstalled from the appliance.

1. Remove the Lid (010 4.1).
2. Remove the Fascia Panel (060 4.4)
3. Remove the Electronic (060 4.5).
4. Remove the Fascia Panel frame.
5. Remove the Front Panel (010 4.3)
6. Remove the Fan Impeller (040 4.4)
7. Remove the Support Bracket (010 4.5)
8. Remove the screws from around the drum support housing.
9. Unclip the bulb holder.
10. Disconnect the connector for the Temperature Sensor.
11. Disconnect the cable from the Door Lock Button.
12. Slide the drum support housing upward to release the retainers from the frame. Lift the drum support housing from the appliance.
13. Reassemble by following these instructions in reverse order.

Reassembly Note

Ensure all locking tabs on drum support housing are fully engaged in the frame before installing any retaining screws.

4.2 Front Drum Bearing – Adjustment (does not apply to all models)

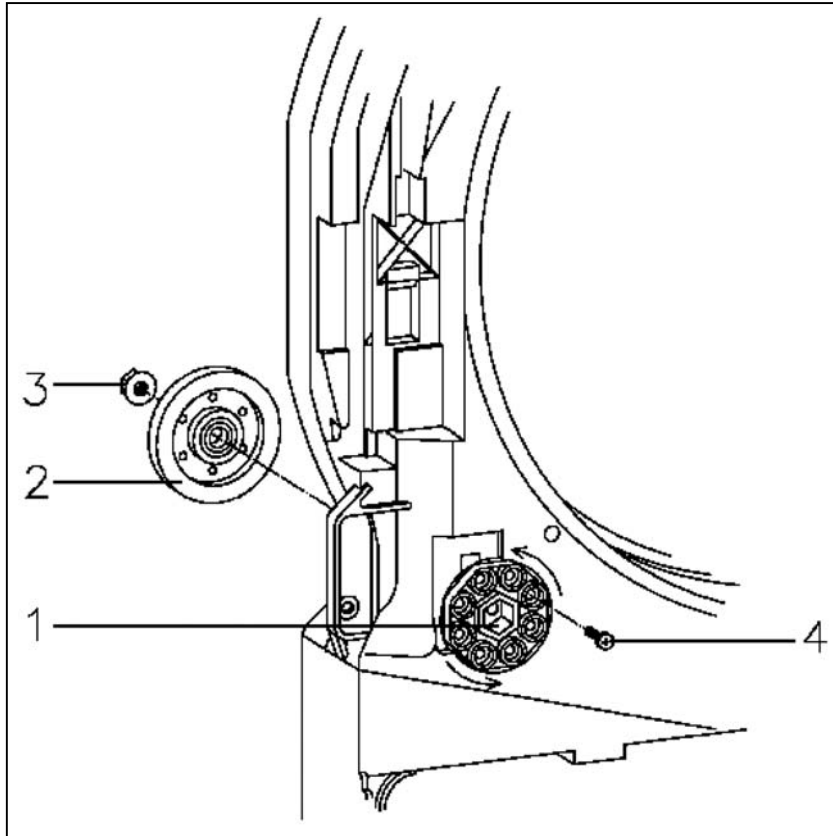


Figure 050-3: Drum bearing

1. Remove the front panel (010 4.3)
2. Refer to Figure 050-3.
3. Remove the Screws (4)
4. Turn the Eccentric Disc (1) back and forth, while checking the gap between the drum neck and the fill ring.
5. When the gap is the same all around the drum neck, tighten the screws (4).
6. Turn the drum by hand and recheck the gap between the drum neck and drum support housing. Re-adjust as necessary.

4.3 Light Bulb - Replacement

Open the door and locate the bulb on the upper edge of the drum opening. A yellow, plastic tool is provided with the machine to function as an "opener". This tool can also be obtained from the Miele Parts Department.

1. Refer to Figure 050-4
2. Slide the opener beneath the edge of the bulb cover.
3. Flip down the bulb cover.
4. Turn the bulb to remove.
5. Replace the light bulb.
6. Flip up the light bulb cover and press it firmly until it clicks into place.

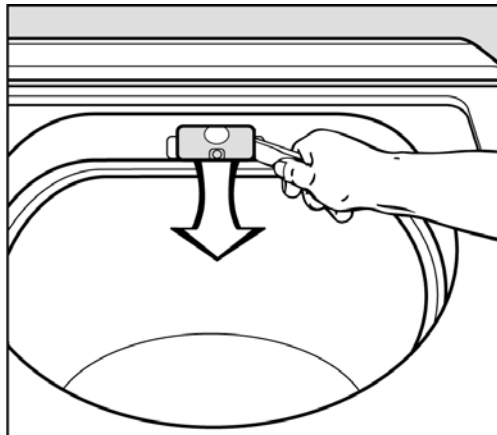


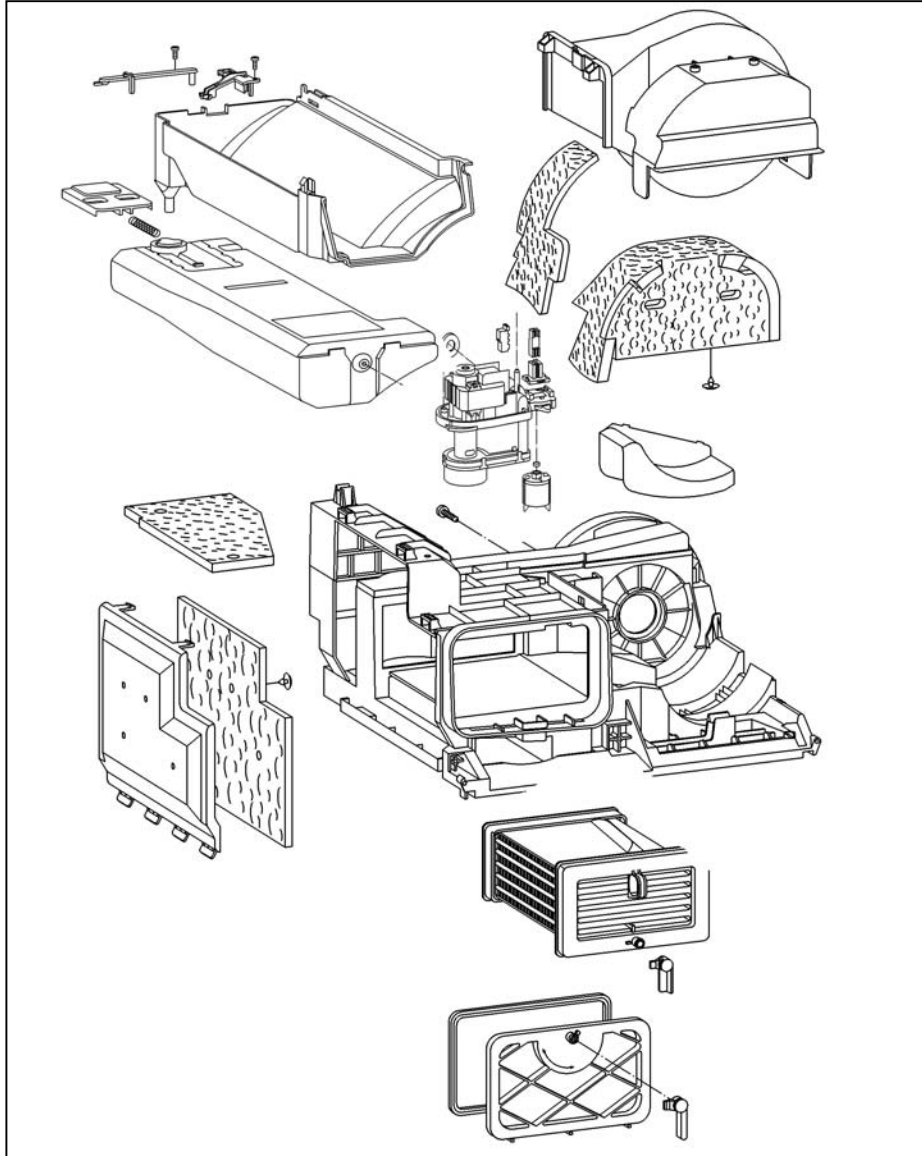
Figure 050-4: Opening the light bulb cover.

Safety Note

- Replace the light bulb with a temperature proof bulb, available from Miele's Parts Department.
- The light bulb must not exceed the maximum wattage listed on the data plate.

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055 Condenser System (Condenser Models Only)



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1 Technical Data

To be updated

2 Function

2.1 Condenser Box - Overview

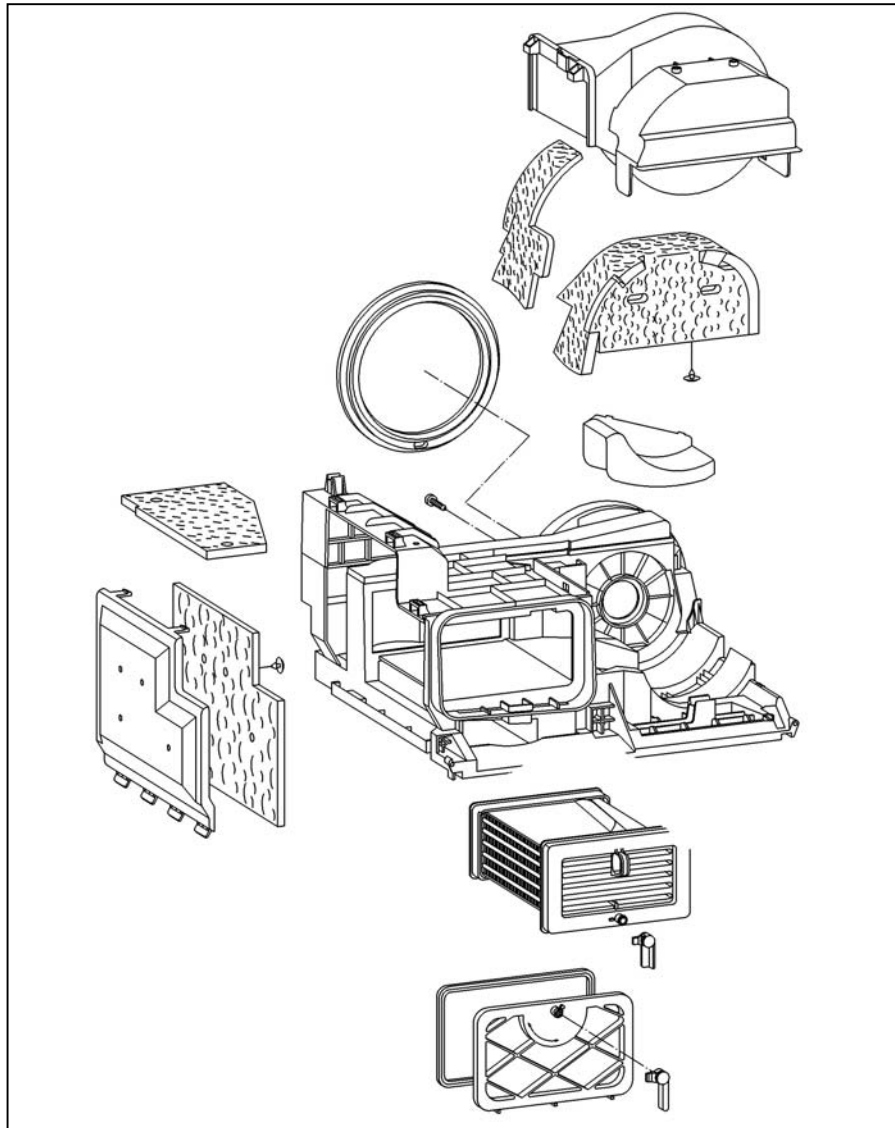


Figure 055-1: Condenser Box Assembly

2.2 Float Switch & Condenser Pump

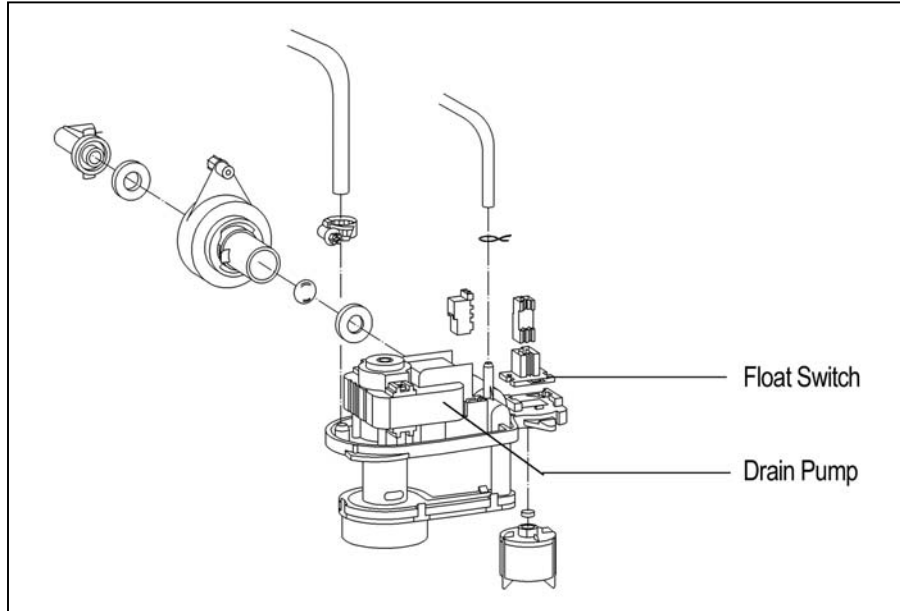


Figure 055-2: Float Switch and Drain Pump

2.3 Condenser Drawer

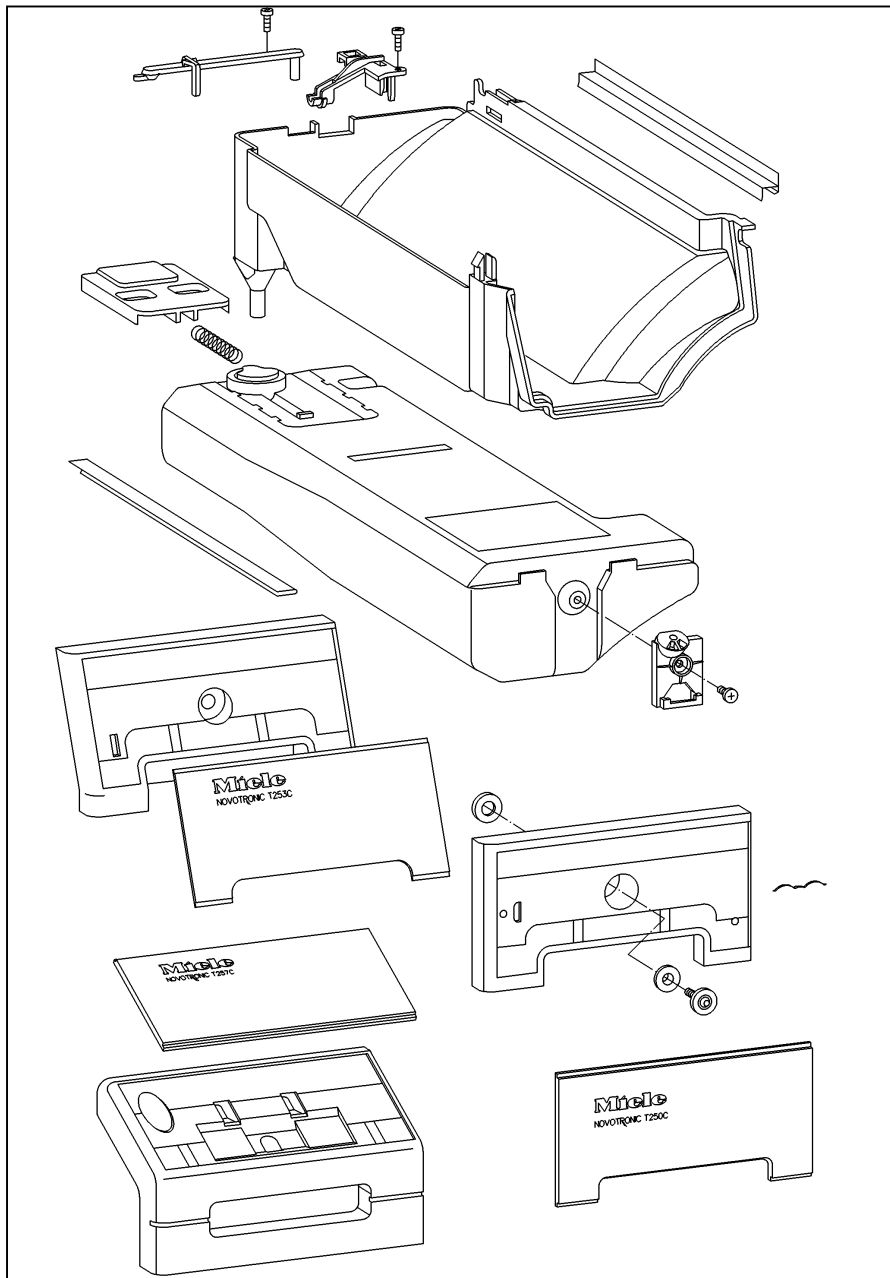


Figure 055-3: Condenser Drawer

Technical Information**3 Fault Repair****3.1 Long Drying Time****Cause**

The Condenser Box is clogged blocking the air flow.

Remedy

Clean the Condenser Box (055 4.1).

3.2 Water Leaking from appliance**Cause**

Fault in Condenser Water Path

Remedy

Check Condenser Water Path hoses and connections.

Check Float Switch for proper operation.

Check Drain Pump for proper operation.

If drained externally check Drain Hose for proper routing. Ensure Hose is free of sharp bends and kinks.

4 Service**4.1 Condenser Box - Cleaning**

The access panel to the condenser is located on the front lower left corner of the dryer (Figure 055-4).

1. Press on the lower corners of the access panel and lower it down.
2. Remove the access panel.
3. Refer to Figure 055-5. Turn the condenser door lock down and remove the door.
4. Refer to Figure 055-6. Turn the condenser lock up.

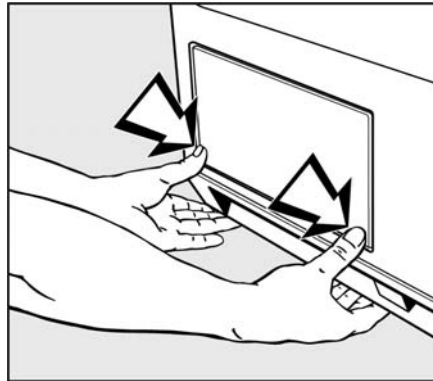


Figure 055-4: Condenser Box Access Panel

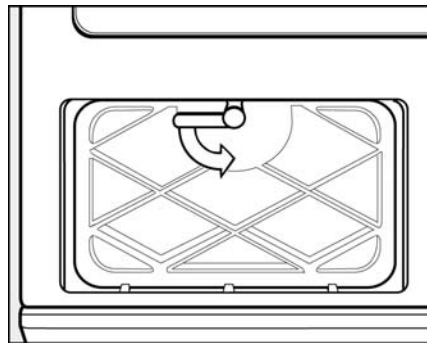


Figure 055-5: Condenser Door Lock

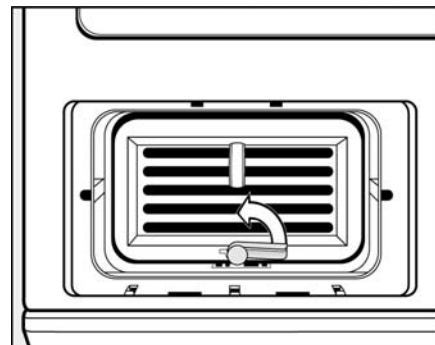
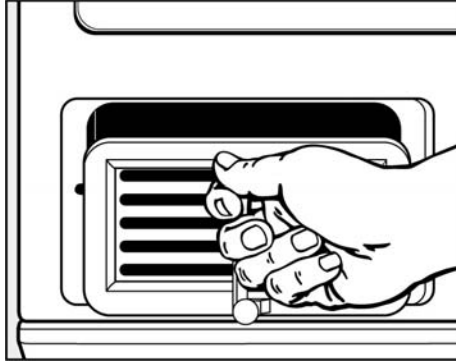
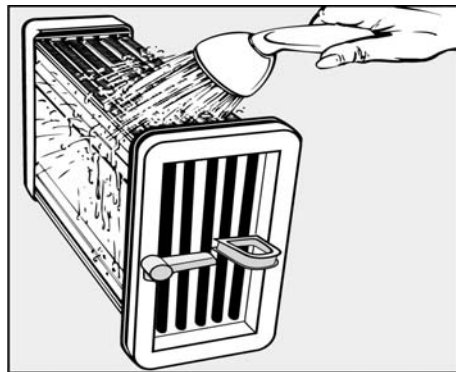


Figure 055-6: Unlocking the Condenser Box Lock

5. Refer to Figure 055-7: Pull out the condenser.
6. Refer to Figure 055-8. Rinse the condenser along the left side with warm water.

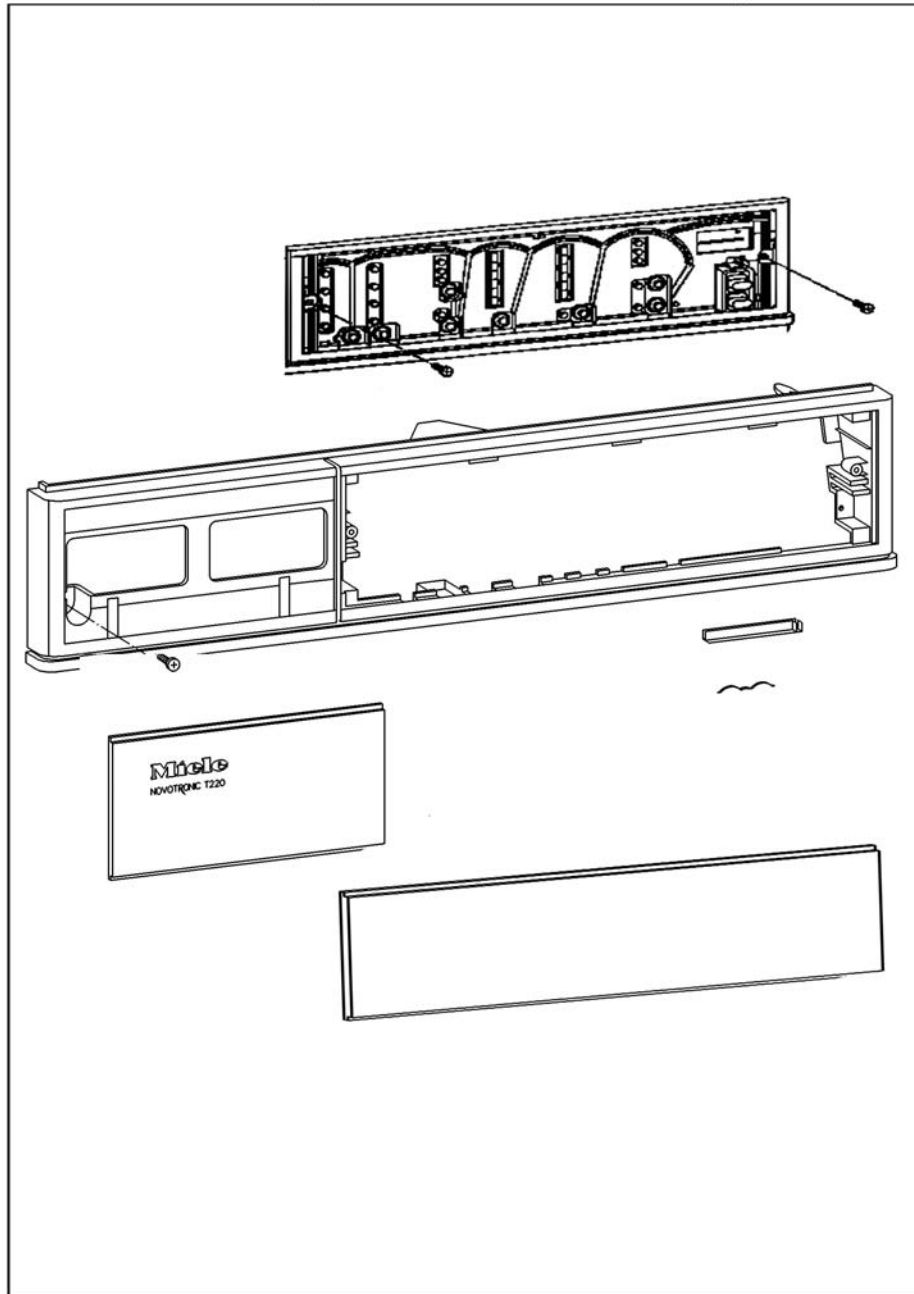
Technical Information

**Figure 055-7:** Removing the Condenser Box**Figure 055-8:** Rinsing the left side of the Condenser Box.

7. Refer to Figure 055-9. Rinse the condenser from the front with warm water.
8. Check the condenser for dirt or blockage. Rinse the condenser until clean.
9. Place the condenser lengthwise on a towel to air dry.
10. Re-install into appliance by reversing steps 1 to 5.

**Figure 055-9:** Rinsing the Condenser Box from the front.

060 Fascia Panel and Electrical Components



Technical Information**1 Technical Data**

n/a

2 Function**2.1 Heater Relays**

Two Heater Relays are controlled by the Electronic. These relays provide the 120VAC supplied to the heater elements.

- 1K1/1 provides the switching for Heater Element R2
- 2K1/1 provides the switching for Heater Element R1.

Note

The contacts within Heater Relay 1K1/1 must be closed in order for Heater Relay 2K1/1 to operate. Should both heating elements not function; ensure Heater Relay 1K1/1 is functioning.

3 Fault Repair

3.1 Fault Summary

1. Turn on the appliance
2. Select a program.
3. Press Start.
4. Allow the appliance to operate for at least two minutes.
5. Observe the display for the following:

Fault Signal		Cause	
LED	Buzzer (if turned on)	Fault Code	Check(s)
Child Lock LED flashes	–	–	Lock function activated. Turn off the Child Lock Feature (see 3.2)
Empty out container LED lights (condenser dryers only)	Intermittent	–	Condensate container float switch. Empty out condenser drawer. Check pump for correct operation.
Rotary iron LED flashes (5 Hz)	Intermittent	F2	Heater Bank NTC Temperature Sensor (2R30). Check the Temperature Sensor and circuit.
Hand iron LED flashes (5 Hz)	Intermittent	F4	Drum Support housing NTC Temperature Sensor (1R30) Fault. Check the Temperature Sensor and circuit.
Anti-crease/Finish LED lights	Intermittent	–	No load in drum or no-load registered by the Residual moisture sensor. Ensure laundry is present. Check the Residual Moisture Sensor circuit.
Anti-crease/Finish LED lights	Intermittent	F55	Program time limit exceeded. Ensure the Heater Elements are operating.
Anti-crease/Finish LED lights	–	F41	Programming / Electronic fault. Check wiring and connectors. Replace the electronic.

Table 060-1: Fault Summary

4 Service

4.1 Programming Mode Summary

Initial requirements

- Turn off the machine.
- Close the door.

Note

Once you begin the access procedure, it must be completed within 10 seconds.

Accessing

1. Press and hold the **Start** button while turning the unit on.
2. Release the **Start** button as soon as the Anti-crease/Finish LED lights up,
3. Immediately press and release the **Start** button 4 times.
4. Press and hold the **Start** button a 5th time, until the Start LED flashes.

A flashing **Start** LED indicates successful accessing of the Programming Mode.

Options / Navigation

1. Refer to Table 060-2.
2. The Program Function is indicated by the flashing Buzzer LED.
3. Press the Buzzer button to advance through the Program Functions.
4. The current programmed option is displayed by the flashing rhythm of the Drying LED.
5. Press **Start** button to toggle between the available options.

Save and quit

With the desired option displayed, turn off the unit.

Program Setting		Programmable Option(s)		
Flashing Buzzer LED		Flashing Drying LED	Programmable Settings	
Long	Short			
-	1	-	At least one standard setting has been modified	
			1	Standard settings
-	2	-	Standard residual moisture	
			1	Reduced residual moisture in Cottons programs
-	3	-	Standard residual moisture	
			1 x short	Reduced residual moisture in Minimum iron programs
-	6	-	Off	
			1	On
-	7	-	Off	
			1	5 min (with residual moisture programs only)
			2	10 min (with residual moisture programs only)
1	-	-	Off	
			1	On
1	1	-	Off	
			1	On

Table 060-2: Program Mode Function Positions

4.2 Demonstration Mode (Dealer Displays)

Initial requirements

- Turn off the unit.
- Close the door.

Note

Once you begin the access procedure, it must be completed within 10 seconds.

Accessing

1. Press and hold the **Start Button** while turning on the unit
2. Release the **Start Button** as soon as the Start LED lights,
3. Immediately press and hold the **Start Button**, until the Start LED flashes.

A flashing **Start** LED indicates successful accessing of the Demonstration Mode.

Deactivation

Repeat the accessing procedure.

Note

The Demonstration Mode is **NOT** deactivated when the power is shut off or by unplugging the appliance.

4.3 Service Mode

Initial requirements

- Turn off the unit.
- Close the door.

Note

Once you begin the access procedure, it must be completed within 10 seconds.

Accessing

1. Press and hold the **Start Button** while turning the unit on.
2. Release the **Start Button** As soon as the Anti-crease/Finish LED lights.
3. Immediately press and release the **Start Button** 2 times.
4. Press and hold the **Start** button a 3rd time, until the Start LED flashes.

A slow flashing **Start** LED indicates successful accessing of the Service mode.

Note

Once in the Service Mode, you automatically enter the first Service Level position. The ROM ID is displayed by the flashing Drying LED.

Refer to the Service Mode Tables 060-3, 060-4 060-5 and 060-6.

Service Level - Navigation

- The Service Level is indicated by a flashing a Buzzer LED.
(Example: flash...flash...flash=Level 3)
- To advance to the next Service Level, press the **Buzzer Button**.

Technical Information

Test Step Service Level 2 – Activation and Navigation

- The **Test Step** is indicated by a flashing Drying LED.
- While in Service Level 2 press the **Start Button** to begin the first Function Test.
- Press the **Start Button** to advance to the next Function Test. .

Turn the unit off to quit the test mode.

SERVICE LEVEL	SERVICE FUNCTION	TEST STEP		
		Flashing Drying LED		Function Tested/ Machine Response
		Long	Short	
–	ROM ID code	X	Y	ROM ID code XY
1	To display a stored fault - Press the Start button. To view additional stored fault(s) - Press the Start button again. To delete fault(s) - Press and Hold the Start button for at least 5 seconds.	–	–	No faults registered
		–	2	F2 = NTC Temperature sensor – Heater bank (2R30)
		–	4	F4 = NTC Temperature sensor – Drum Support Housing (1R30)
		4	1	F41 = Model type changed (vented / condenser) or EEPROM fault
		5	5	F55 = Program time limit exceeded

Table 060-3: Service Mode (continued on Table 060-4)

SERVICE LEVEL Flashing Buzzer LED	SERVICE FUNCTION	TEST STEP		
		Flashing Rhythm Drying LED		Function Tested/ Machine Response
		Long	Short	
2	Refer to the Test Step – Activation and Navigation.	–	1	Drive/Fan motor. Drum turns as follows: counterclockwise for 10 seconds, a 2.5 second pause, clockwise for 10 seconds, a 2.5 second pause, etc...
		–	2	Heating 1 and drive. Drum turns counterclockwise for 10 minutes, a 2.5 second pause, clockwise for 10 seconds, a 2.5 second pause, etc. The heating comes on after 1 second during counterclockwise rotation.
		–	3	Condensate Pump - Activated (condenser dryer only)
		–	4	Residual Moisture Sensing Circuit - low resistance check. Electrically connect one drum paddle and the drum body using clip leads or a wire to simulate wet laundry and high conductivity. The appliance will operate for about 30 seconds. When the appliance stops observe the Normal LED: - On Steady: System OK. - Flashing: System faulty.

Table 060-4: Service Mode (continued from Table 060-3) (continued on Table 060-5)

Technical Information

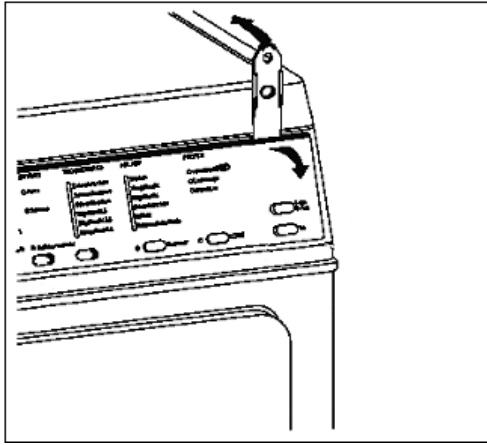
SERVICE LEVEL	SERVICE FUNCTION	TEST STEP		
		Flashing Rhythm Of Drying LED		Function Tested/Machine Response
		Long	Short	
2	Refer to the Test Step – Activation and Navigation.	–	5	Residual moisture sensing circuit, high resistance check. Ensure the clip leads or the wires used in the low resistance check are removed; and no laundry is present in the drum. The appliance will operate for about 30 seconds. When the appliance stops observe the Normal LED: - On Steady: System OK. - Flashing: System faulty.
		–	6	Buzzer test. Vented dryer: Constant tone. Condenser dryer: Intermittent tone.
		–	7	LED display test. Each individual segment of the display and the LEDs flash
		–	8	Heating relay 1 and 2 and drive. Drum turns with reversing as follows: 10 minutes counter clockwise, 2.5second pause, 10 seconds clockwise, 2.5 second pause, etc. Heating 2 comes on after 1 second during counterclockwise rotation.

Table 060-5: Service Mode (continued from Table 060-4) (continued on Table 060-6)

SERVICE LEVEL	SERVICE FUNCTION	TEST STEP		
		Flashing Rhythm Of Drying LED		Function Tested/Machine Response
		Long	Short	
3	Digital sensor test	–	1	Float Switch Test (condenser models). Buzzer operates when the float switch is activated.
		–	2	Door Switch Test - Buzzer operates when the door is closed.
4	Operating hours	For 1000s h	For 100s h	Long flashing pulses for thousands, short flashing pulses for hundreds. (e.g. 12 x long + 6 x short = 12000 h + 600 h = 12600 h)

Table 060-6: Service Mode (continued from Table 060-5)

Technical Information

4.4 Fascia Panel - Removal**Figure 060-1:** Fascia Panel - Removal

1. Use a Miele Opener (or a small screwdriver) and press the front section downwards.
2. Tilt the panel from the top outward.

Note

To ensure the springs do not get lost remove them from the lower groove for the panel.

4.5 Electronic / Controls - Service Position

Note

The electronic can be positioned into the retaining slots on the sides of opening during service procedures.

1. Remove the Fascia Panel (060 4.4)
2. Refer to Figure 060-2.
3. Remove the two screws.
4. Carefully pull the control module forward.

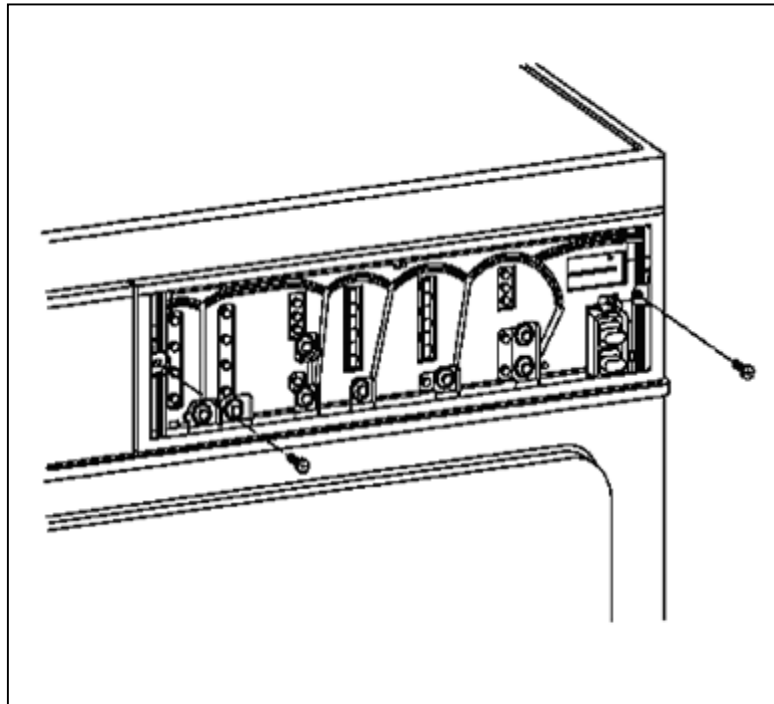
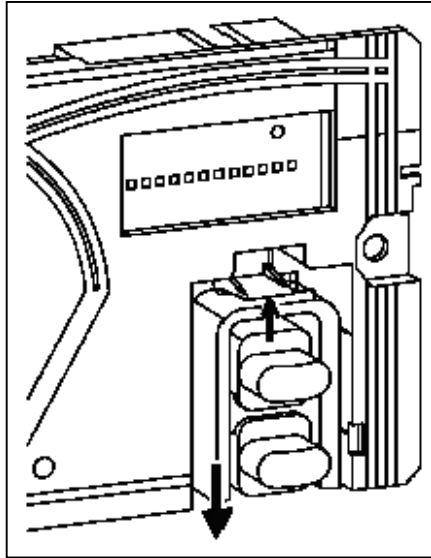


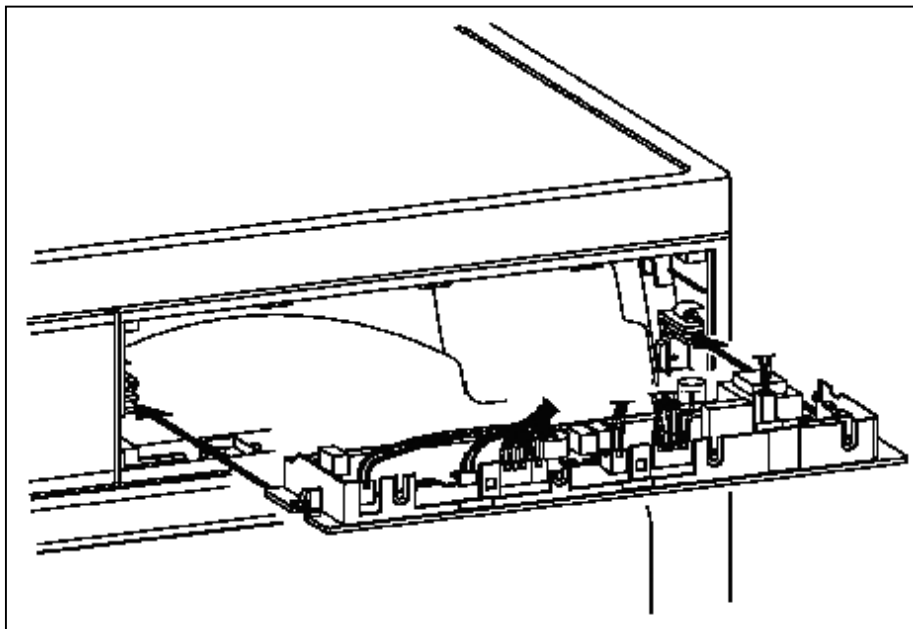
Figure 060-2: Electronic retaining screws

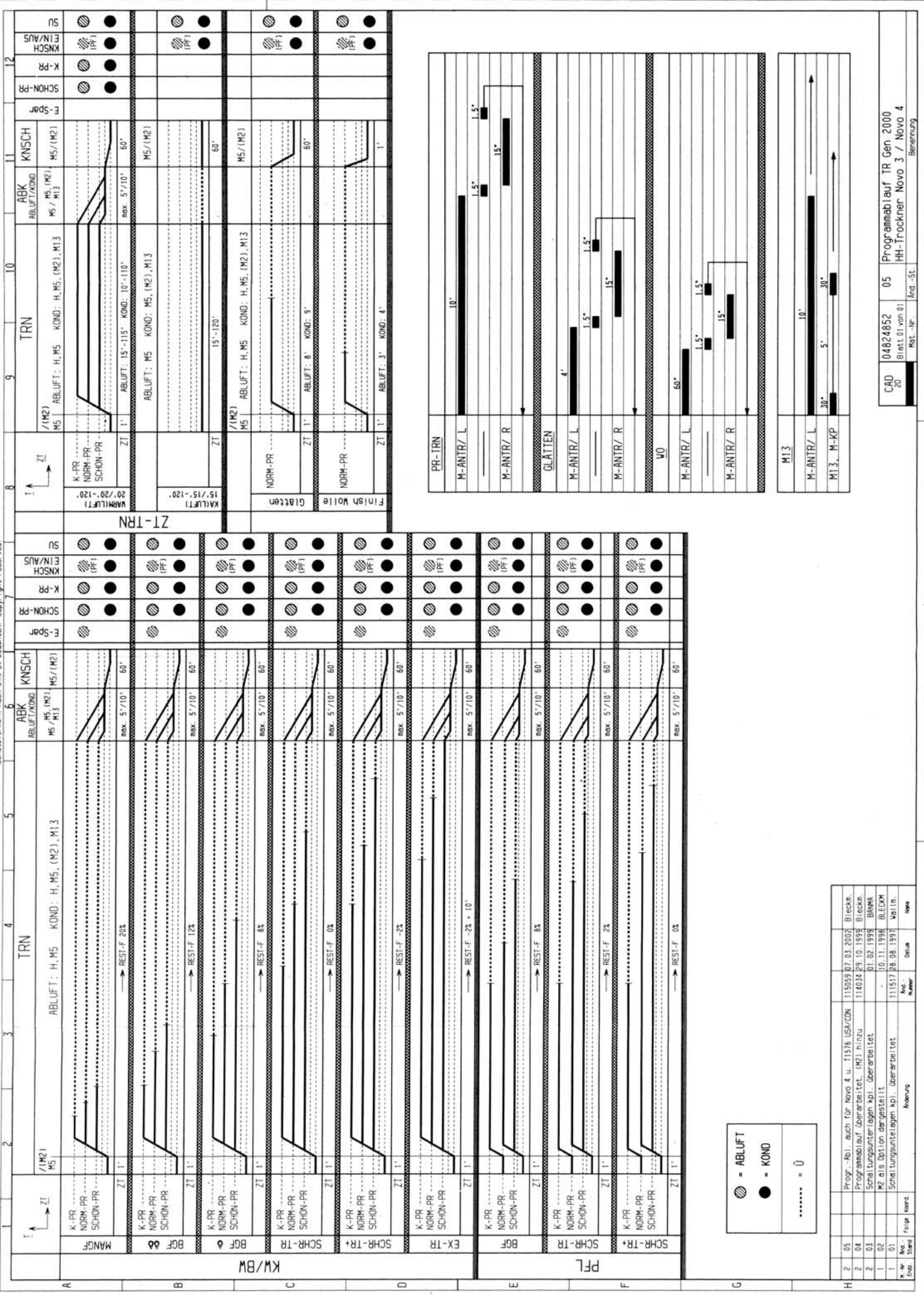
5. Refer to Figure 060-3
6. Release the button assembly and slide it out of its retainer.

Technical Information

**Figure 060-3:** Button Assembly

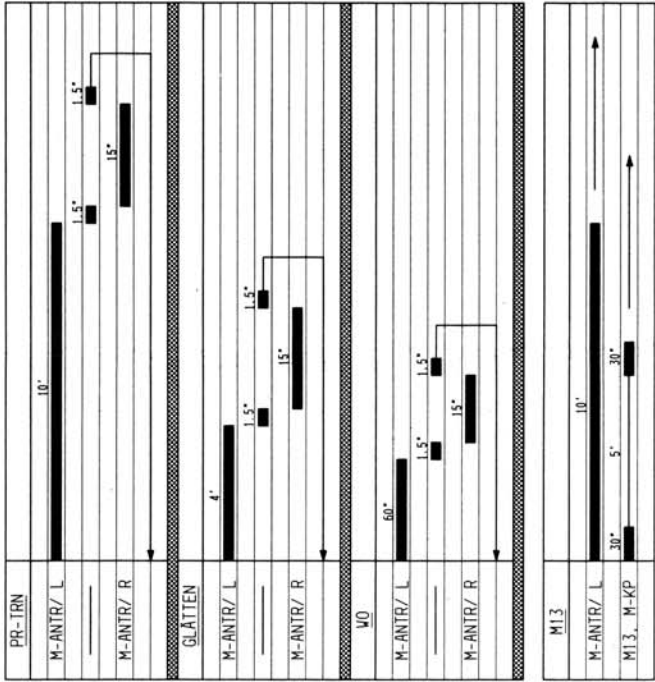
7. Refer to Figure 060-4.
8. Slide the control module into the retaining slots on either side of the fascia panel opening.

**Figure 060-4:** Electronic / Controls in service position

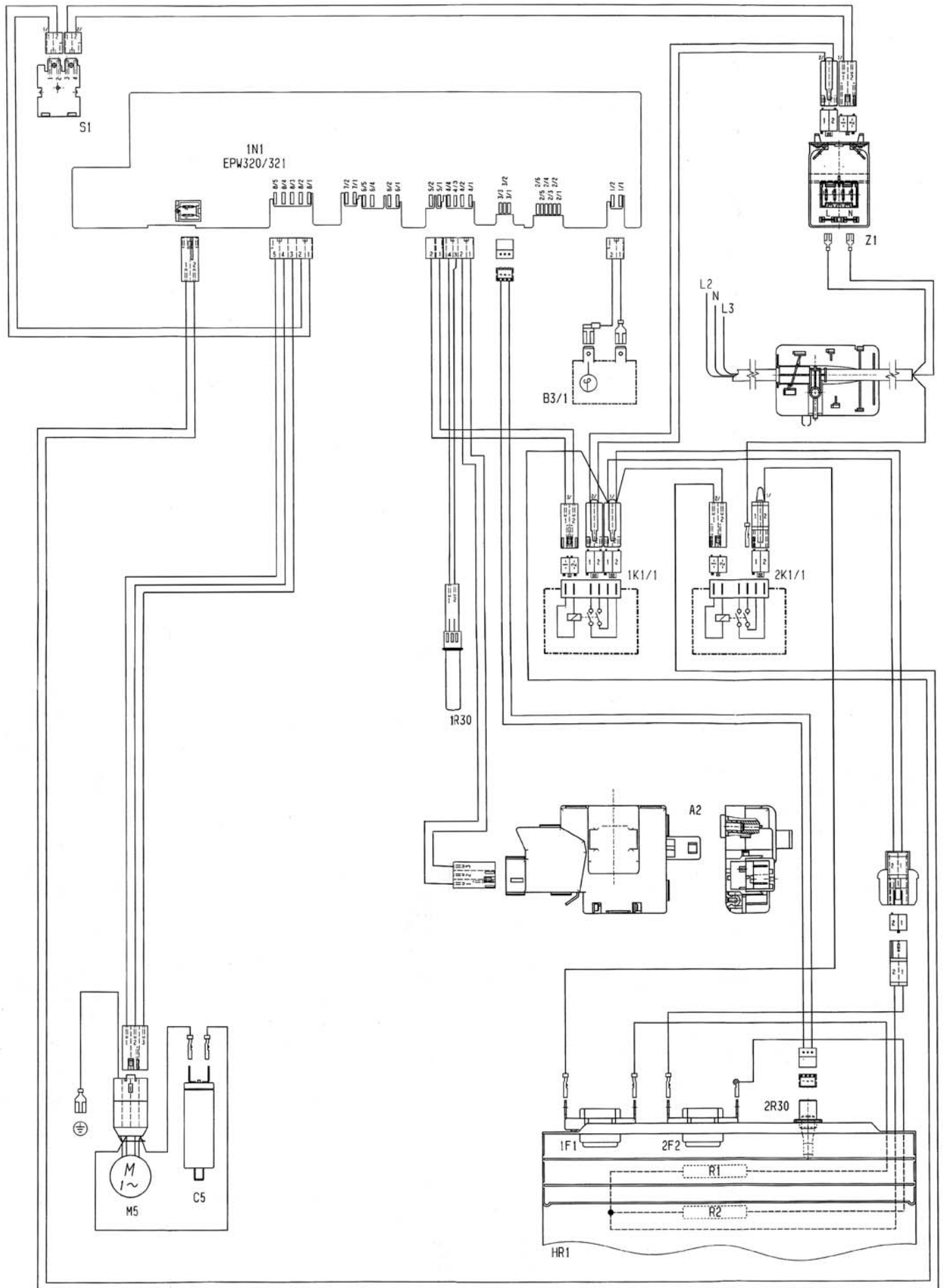


Legend:

- = ABLUF
- = KOND
- = 0



Progr.-Nr.	Stand	Früher	Mo. / Datum	Beschreibung	Name
2 05			115059	07.03.2002	Blecken
2 04			114034	29.10.1999	Blecken
2 03			01.02.1999	BANNA	
1 02			10.11.1998	BLECKH	
1 01			111517	28.08.1997	Wallin



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