

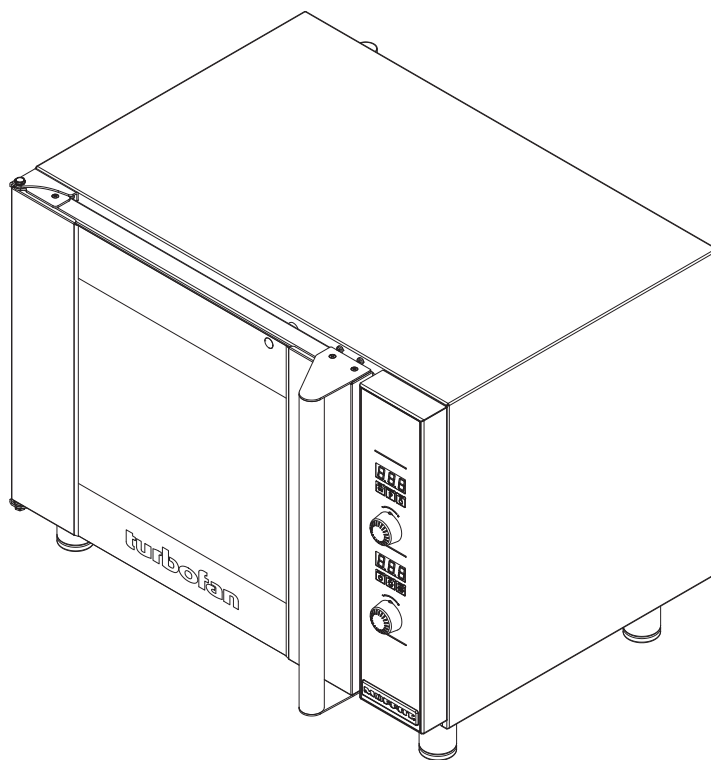


Turbofan Convection Oven

30 Series

E31D

Parts Manual



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General information

The drawings and diagrams in this manual are representative only and not to scale. They supplement the written instructions and specifications that they refer to.

Copyright

❗ IMPORTANT

The reproduction or copying of any part of this manual by any means whatsoever is strictly forbidden unless authorised previously in writing by Moffat Limited.

Warranty requirements

❗ IMPORTANT

Installations must be carried out by a certified or licensed service person only. Failure to comply will void any written or implied warranty.

❗ IMPORTANT

Unauthorised alterations to the oven may void warranties and approvals.

Safety information

Read the safety messages in this manual and follow the instructions carefully. Review them frequently.

Safety messages cannot cover every potential cause of injury or equipment damage but can highlight common causes of hazards. Read and understand all instructions in this manual prior to installing or servicing the oven and seek advice before operating the oven in a manner other than that described in this manual. Consult your authorised service technician before performing maintenance.

- Ensure that you and all operators of this appliance understand every safety message.
- Know and observe all safety rules that may apply to your work situation and your work site.
- Replace the user manuals and safety labels immediately if they are missing or damaged.

Recognize safety information



Safety alert symbol.
When you see this symbol in the manual or on the oven, pay special attention to the instructions.



Read the instructions before using the oven.



Risk of electric shock.



Risk of burns—hot surface.



Equipotential bonding terminal—must be connected to equipotential bonding system.



Risk of burns—hot liquid products above height level.

This manual uses the following safety symbols to indicate the level of caution required when using the oven.

⚠ DANGER

Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury.

⚠ WARNING

Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury.

⚠ CAUTION

Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

NOTICE

Indicates information considered important, but not hazard-related (for example, messages relating to property damage).

General safety

⚠ WARNING

Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Read the installation, operation, and maintenance instructions thoroughly before installing or servicing this oven.

⚠ DANGER

Fire hazard. Do not use gasoline or other flammable substances in the vicinity of this oven. Do not spray aerosols in the vicinity of this oven while it is in operation.

⚠ WARNING

Fire hazard. The oven operator shall take great care to use the oven safely and guard against risk of fire. The oven must not be left unattended during use.

NOTICE

The oven shall be regularly inspected by a competent service person to ensure that it is in safe and correct order for operation.

SERVICE COMPONENTS

External service components 5

 Door 6

Main components (reference) 7

Electrical and switchgear components 8

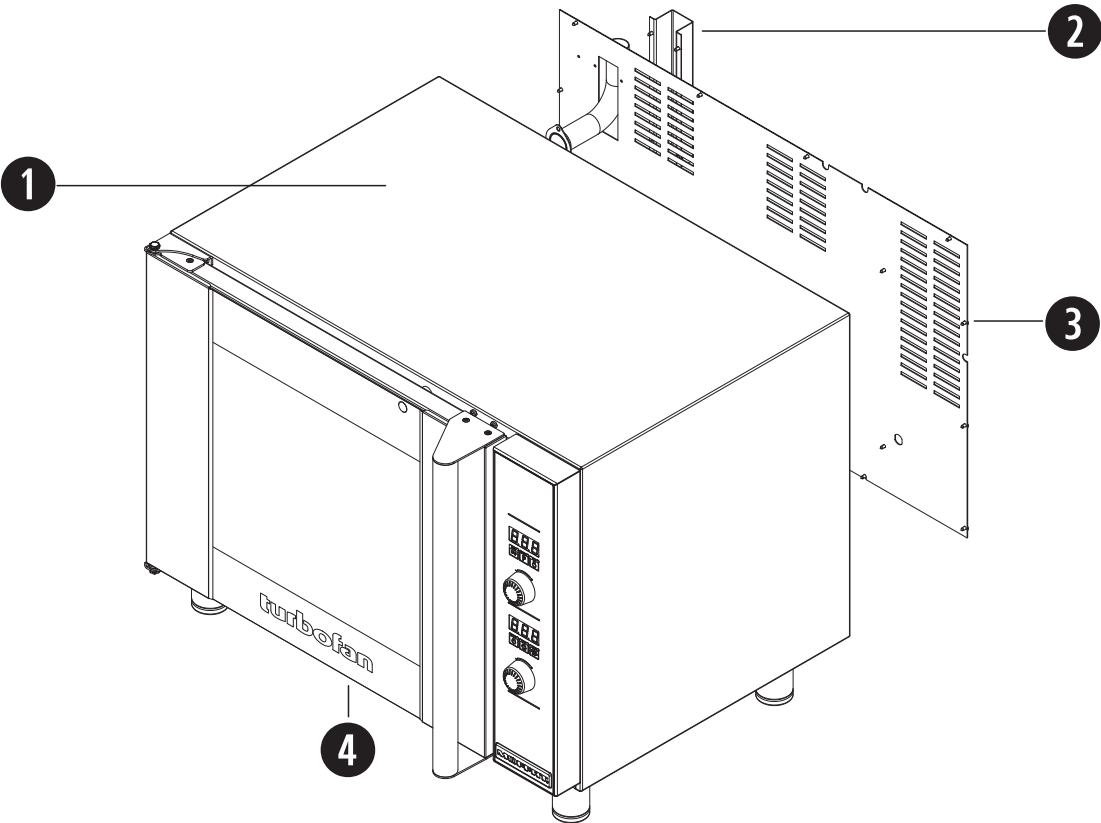
Control panel 9

Door micro-switch 10

Heating components 11

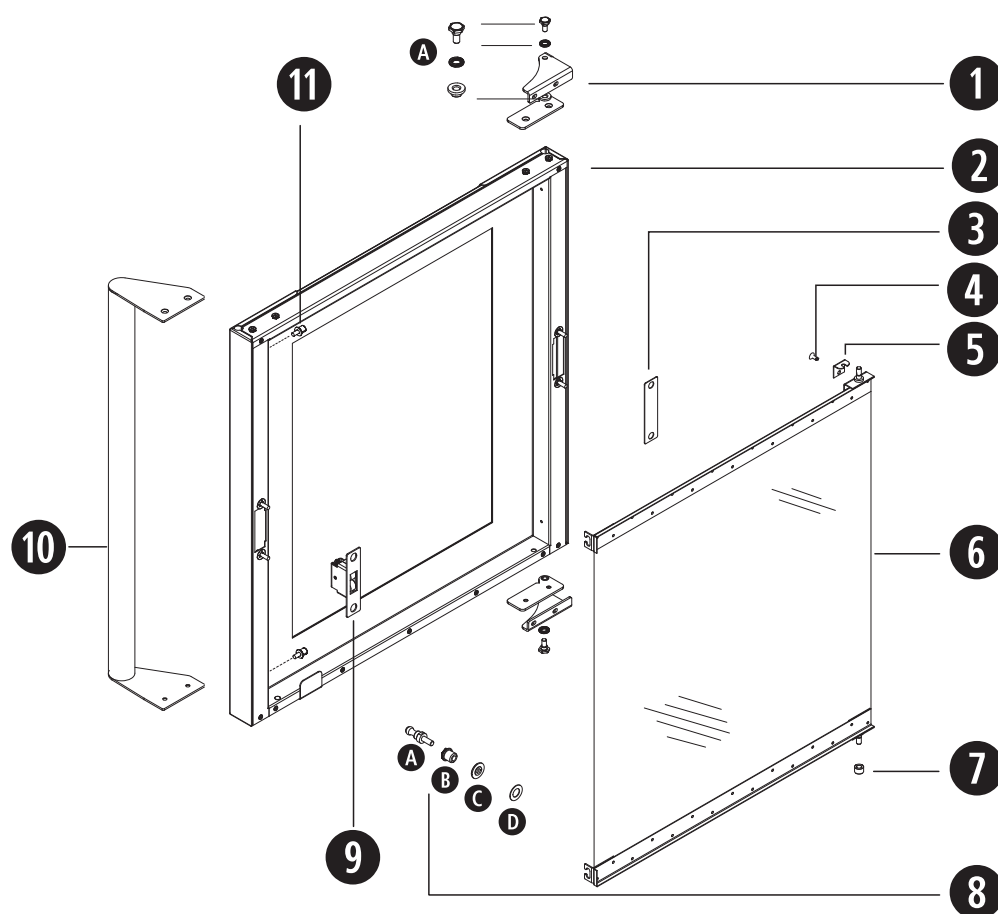
Fasteners 12

External service components



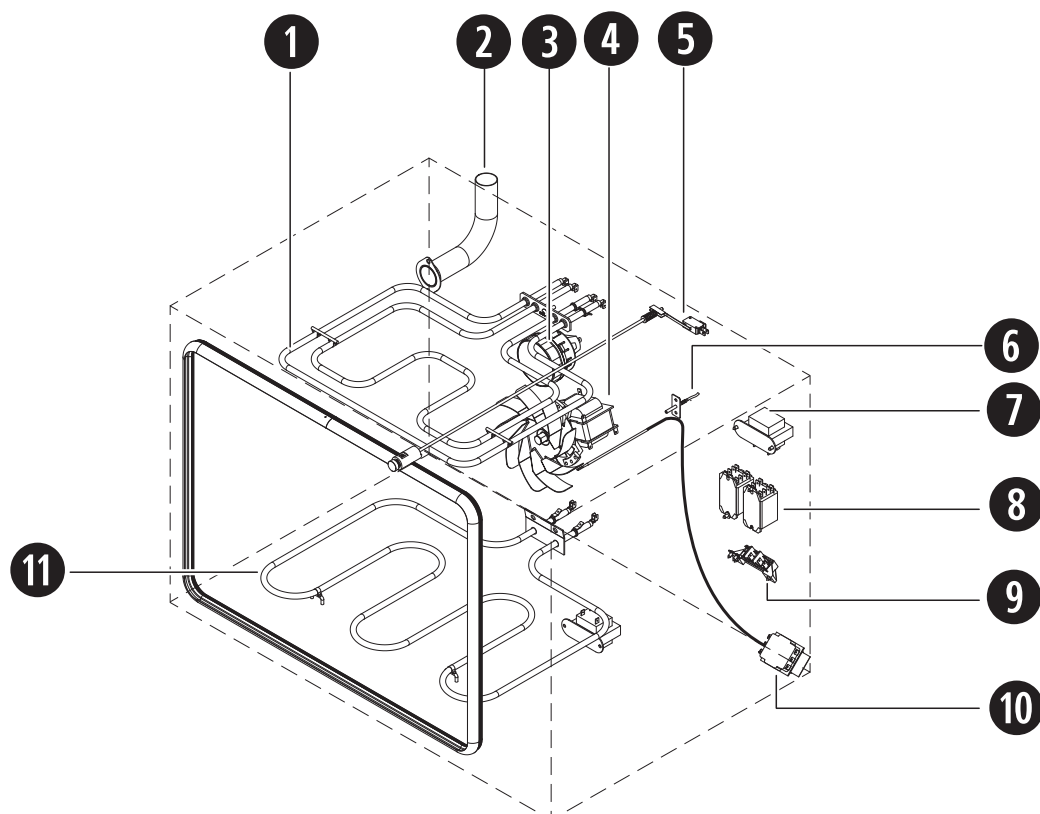
	PART NO.	DESCRIPTION
1	233164	Wrapper E31
2	232680	Oven Vent Rear Cover
3	233161	Rear Panel E31
4	234574	Door Assembly E31D (Complete)

Door



	PART NO.	DESCRIPTION	CONTENTS (KIT ONLY)
1	234930	Door Hinge Assembly Kit	Door Hinge Assy Bottom Door Hinge Assy Top
A	234752	HINGE PIVOT KIT	Door Hinge Pivot Pin Washer M8 Nord-Lock T316 Door Hinge Pivot Bush
2	235276	Door Outer Glass Assembly	
3	234725	Door Catch Blanking Plate	
4	041045	Screw 8 x 3/8 inches Truss HD Phl NP	
5	234779	Inner Glass Retaining Clip	
6	234756	Door Inner Glass Assy	
7	234767	Inner Glass Pivot Spacer	
8	-	Door Catch	
A	235277	Door Roller Catch Strike Pin	
B	235278	Strike Locking Nut	
C	235104	Door Strike Pin Escutcheon	
D	235105	Door Strike Escutcheon Washer	
9	234580	Door Roller Catch	
10	234579	Door Handle E31	
11	236019	Inner Glass Latching Bush	

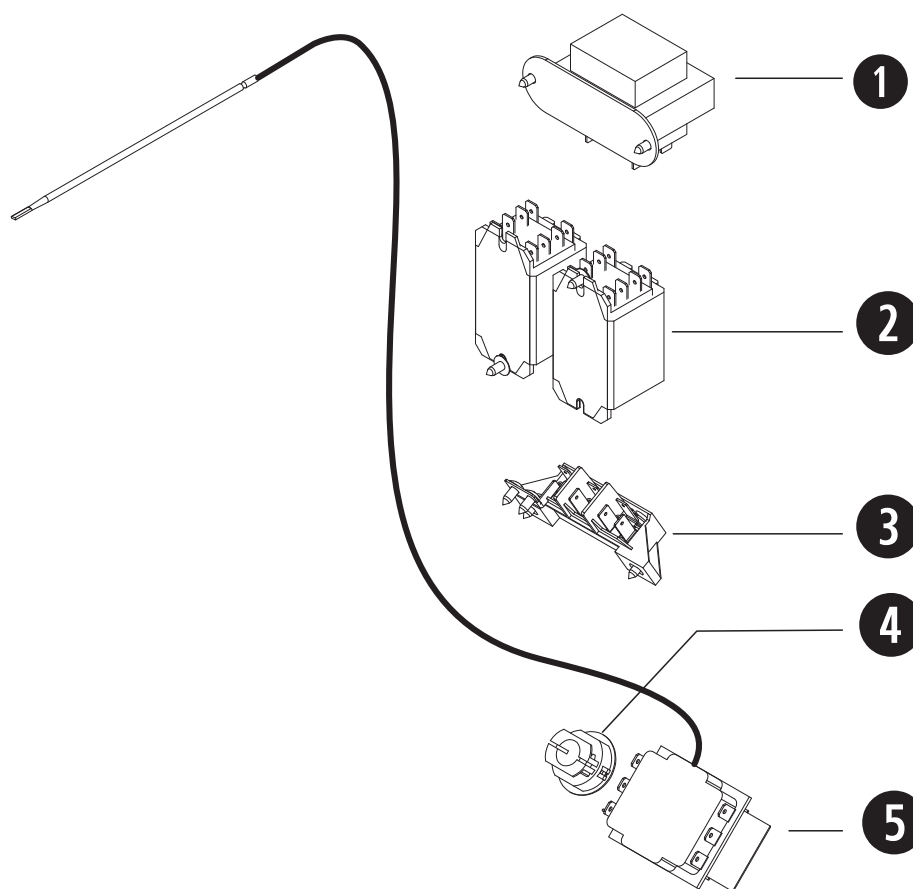
Main components (reference)



- 1 Top element
- 3 Lamp
- 5 Door micro-switch
- 7 Transformer
- 9 Terminal block
- 11 Bottom element

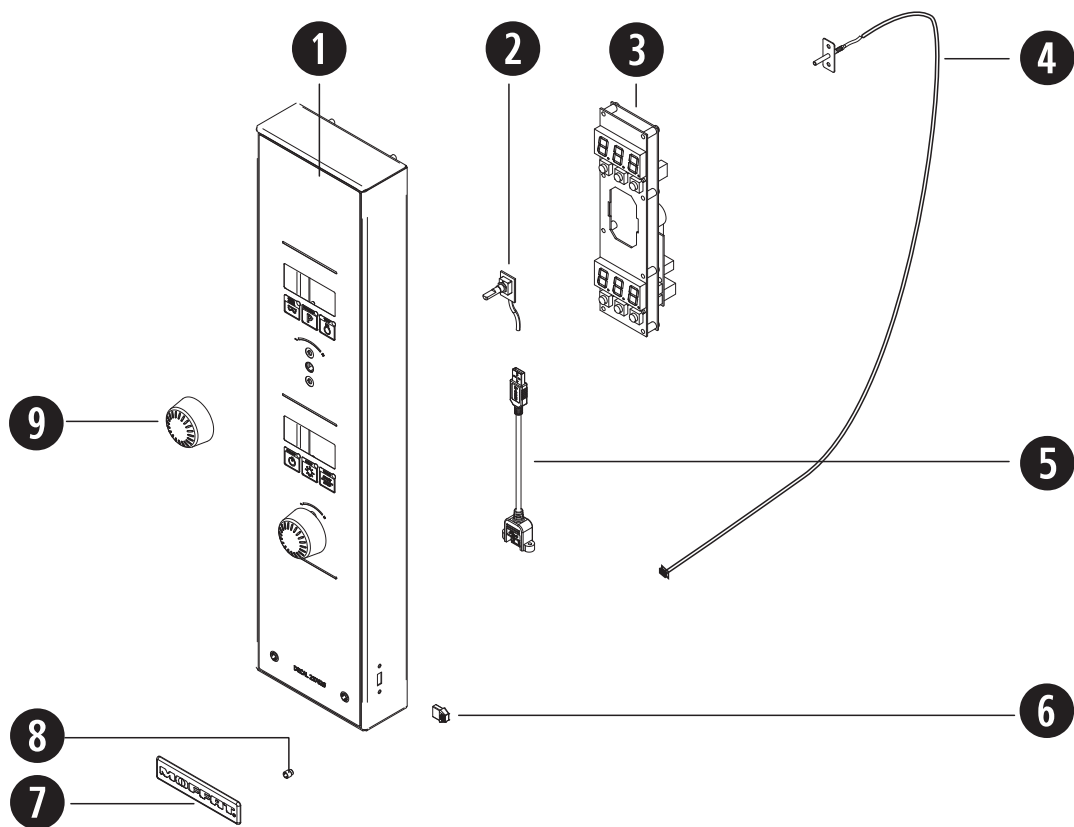
- 2 Vent
- 4 Heating fan
- 6 Temperature probe
- 8 Relays
- 10 Overtemp thermostat

Electrical and switchgear components



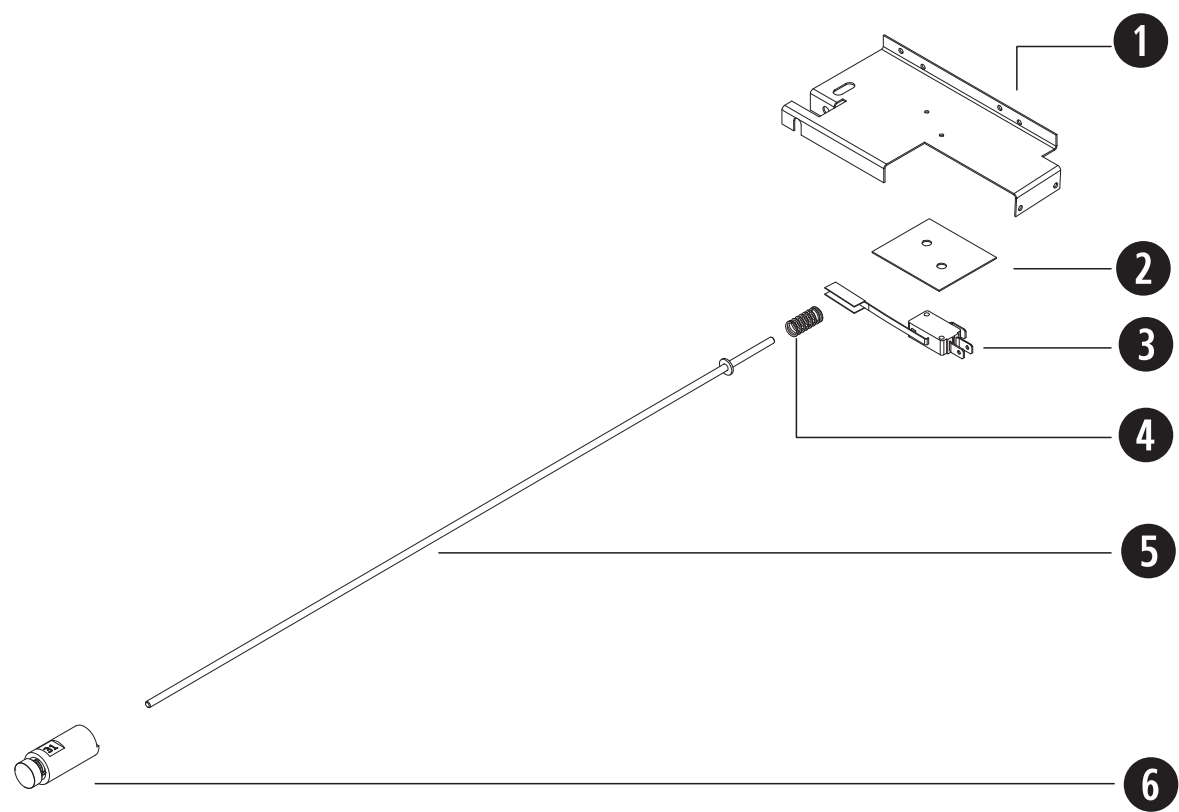
	PART NO.	DESCRIPTION
1	234429	Transformer 208/240 V X 12 VAC Sec 20 VA
2	024562	Relay 25 A DPDT
3	026160	Terminal Block
4	233870	Cable Entry Clamp
	233871	Cable Entry Screw
5	025400	Overtemp Thermostat 360 °C / 680 °F. (All Other Markets Up to Ser. No. 749116. UK Up to Ser. No. 749300)
	233573	Overtemp Thermostat Cap (All Other Markets Up to Ser No. 749116. UK up to Ser. No. 749300)
	234821	Overtemp Thermostat 355 °C - 20 k. (All Other Markets From Ser. No. 749117. UK from Ser. No.749301)

Control panel



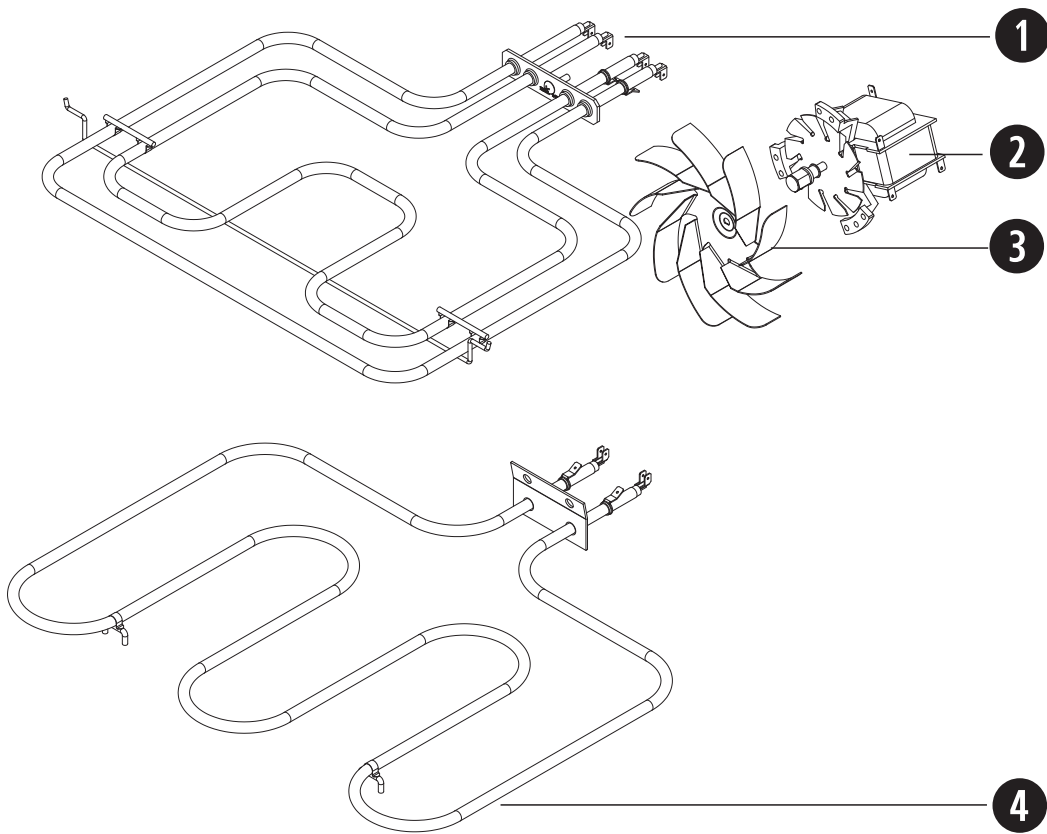
	PART NO.	DESCRIPTION
	242320	5-way Mate-n-Lok Connector / Plug Kit (Not Shown)
	242321	3-way Mate-n-Lok Connector / Plug Kit (Not Shown)
	242322	2-way Mate-n-Lok Connector / Plug Kit (Not Shown)
	748019	Screw M4 x 10 Taptite Pan Pozi ZP (Not Shown)
1	234436	Control Panel Laminated E31D
2	243260	Rotary Encoder and Cable
3	240119	Digital Control Kit (D-Series)
4	237447K	Oven temperature probe kit
5	235846	Panel Socket Core Temp - D Series
6	235701	USB Protective Cap Type A
7	233865	Badge Moffat
	233867	Badge Blueseal UK, CAN
8	235701	Badge Clip
9	243261	Rotary Control Knob

Door micro-switch



	PART NO.	DESCRIPTION
1	—	Microswitch Bracket
2	—	Spacer Plated
3	233862	Microswitch
4	235126	Microswitch Return Spring
5	—	Microswitch Rod
6	—	Microswitch button

Heating components



	PART NO.	DESCRIPTION
1	234462	Oven Element Top 230-240 V - All
	234463	Oven Element Top 208-220 V - US, CAN
2	242024K	Motor Kit B/B
3	013432	Fan
4	234202	Oven Element Bottom 230-240 V - All
	234203	Oven Element Bottom 208-220 V - US, CAN

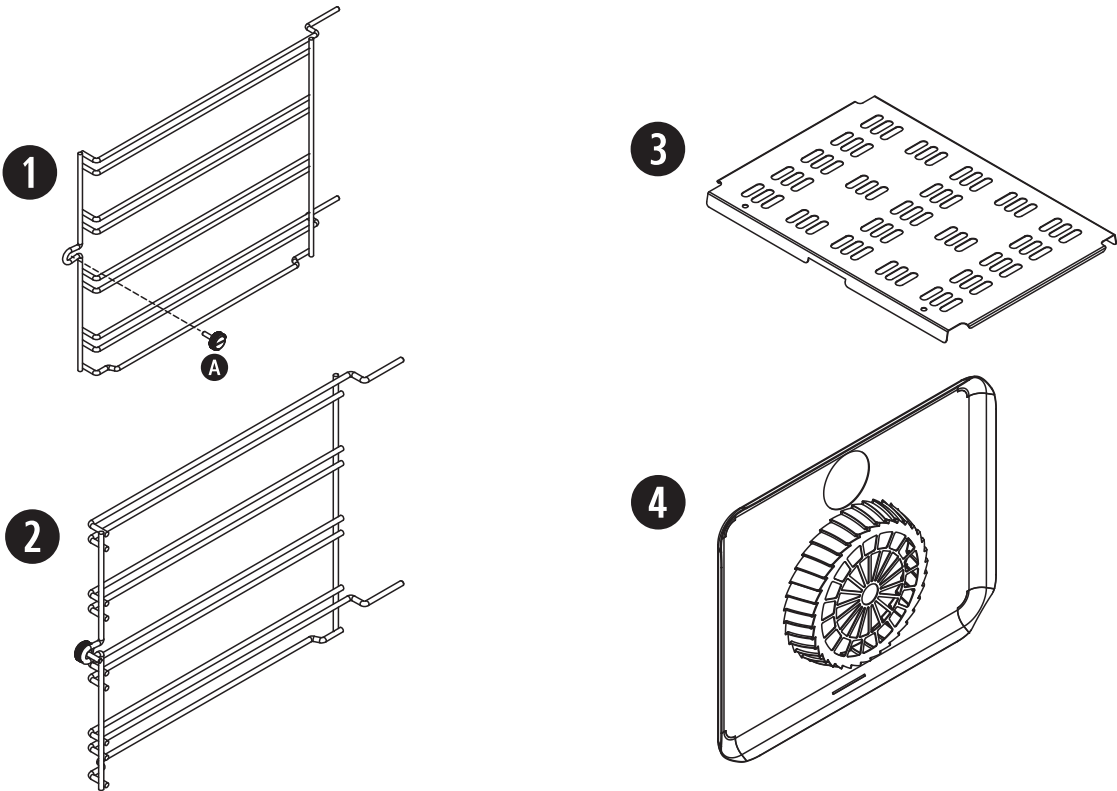
Fasteners

FASTENER	PART NO.	DESCRIPTION
	041010	4 x 5/8 in. Pan Head Pozi
	041036	8B x 3/8 Pan head Phillips
	041043	M5 x 12 Taptite Head Phillips
	041045	8 x 3/8 in. Truss Head Phillips
	041070	8 x 3/4 in. Mushroom Head Phillips
	041410	3/4 x 316 in. BSW Mushroom Head Phillips
	041425	M4 x 6 Pan Head Phillips NP
	041633	M6 x 16 Hex HD Set ST/ST
	748045	M5 x 12 CSK Pozi Taptite ZP
	748049	M5 x 20 Pan head Phillips

ACCESSORIES

Main accessories

Supplied accessories (fitted)

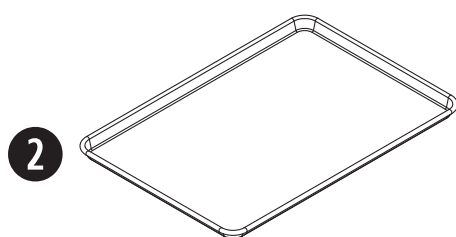
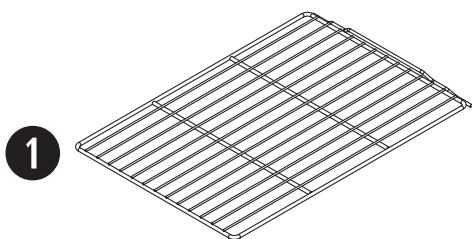


	PART NO.	DESCRIPTION	QUANTITY
1	234204	Side Rack LH E31	1
A	233552	Thumbscrew	1
2	234205	Side Rack RH E31	1
3	234206	Bottom Element Guard	1
4	004595	Fan baffle	1

Supplied accessories (unfitted)

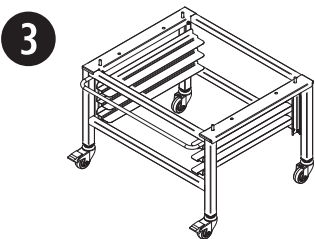
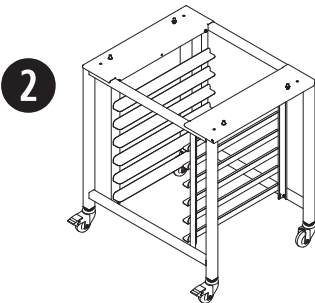
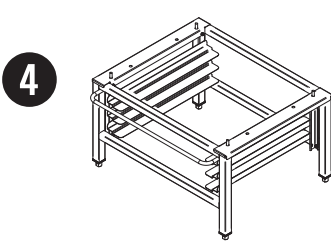
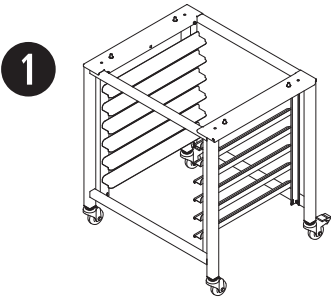
	PART NO.	DESCRIPTION	QUANTITY
	232379	Adjustable Leg 3 inches (76 mm)	4
	232380	Foot O-ring	4

Supplied accessories (optional)



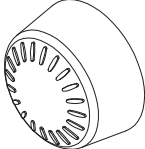
	PART NO.	DESCRIPTION	QUANTITY
1	233567	Oven Rack	4
2	—	Oven Tray	4

Accessories (add-on)

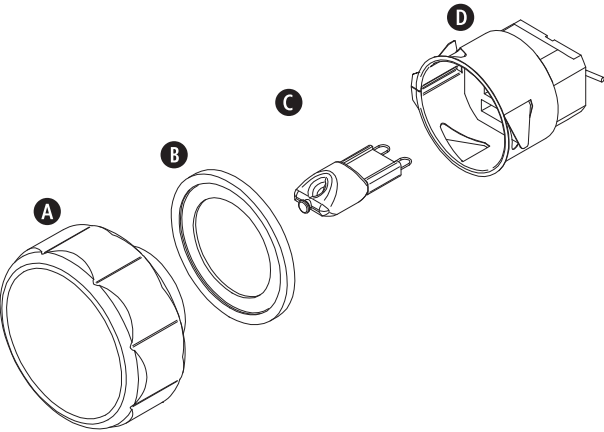


	PART NO.	DESCRIPTION
1	SK2731N	Stand for E31 810 mm (32 inches) (W) x 650 mm (25½ inches) (D) x 900mm (35½ inches) (H) Accepts EN 600 x 400 or GN 1/1 pans
2	SK2731U	Stand for E31 810 mm (32 inches) (W) x 650 mm (25½ inches) (D) x 900mm (35½ inches) (H) Accepts US half pan and US full pan
3	DSK272831C	DSK Double Stacking Kits - Fitted With Castors
4	DSK272831	DSK Double Stacking Kits - Fitted With Adjustable Feet

Replacement parts

	PART NO.	DESCRIPTION
	232379	Adjustable Leg 3 inches (76 mm)
	232380	Foot O-ring
	243261	Rotary Control Knob

Lamp



	PART NO.	DESCRIPTION
	233863	Oven Lamp Assembly G9
A	233115	Lamp Lens
B	233883	Oven Lamp Seal
C	231814	Lamp Bulb G9/25 W, Halogen
D	—	Lamp holder

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Tel (Spare parts & Technical Support): 1300 263 107

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