

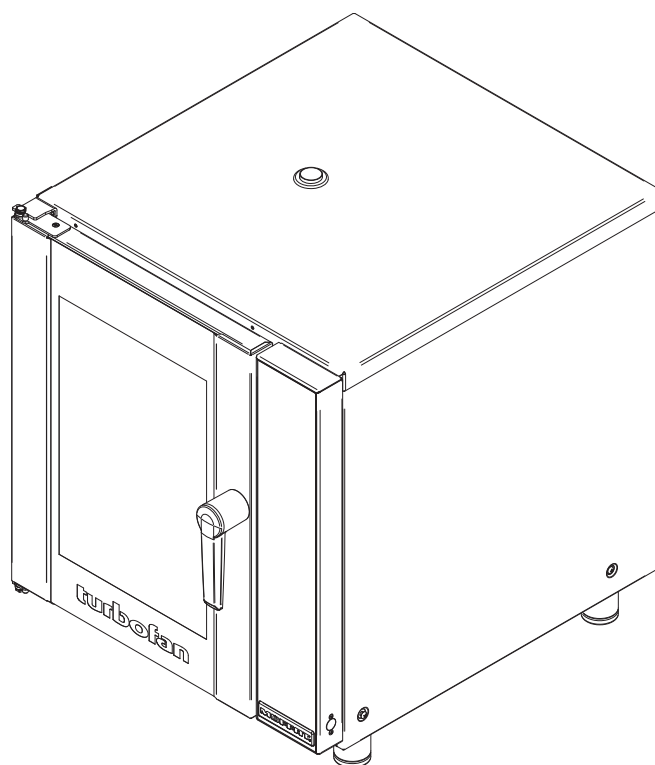


Turbofan Convection Oven

30 Series

E33D, E33T

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

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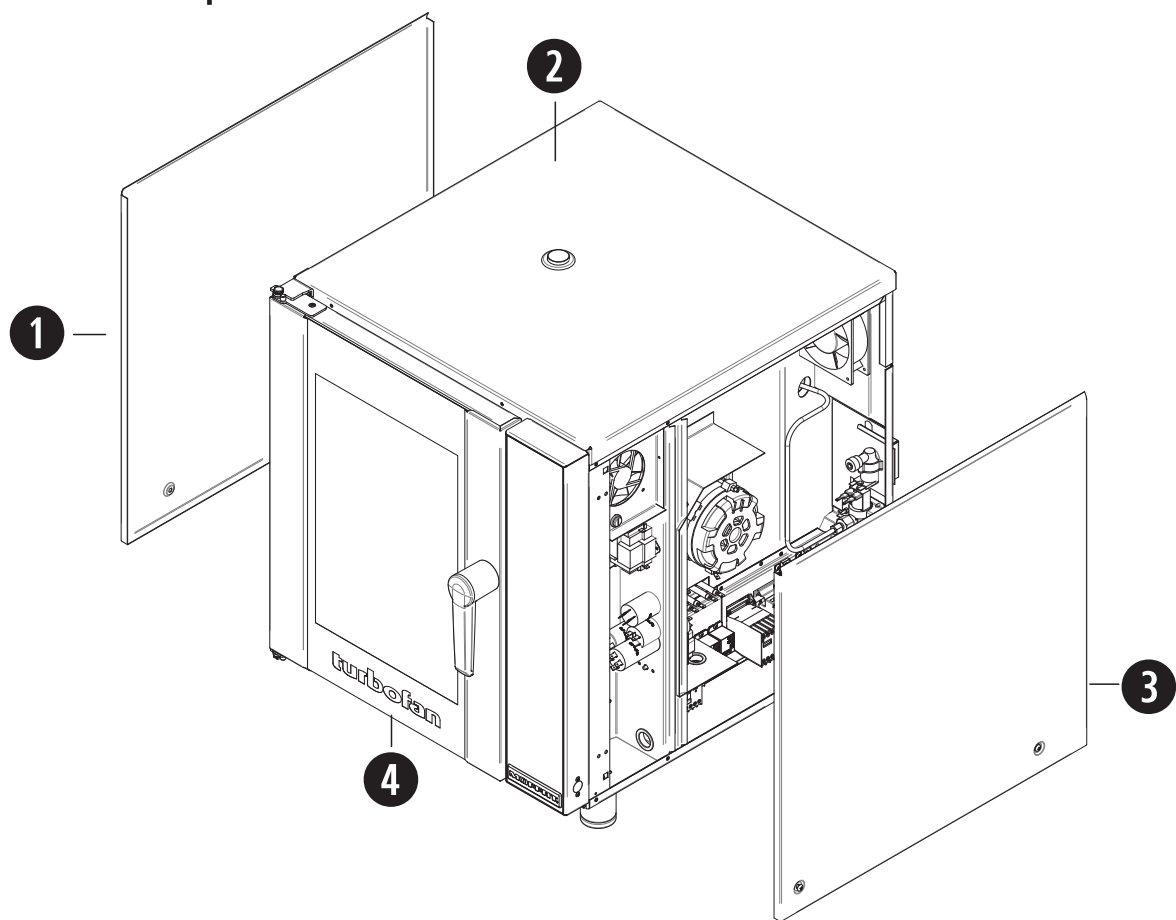
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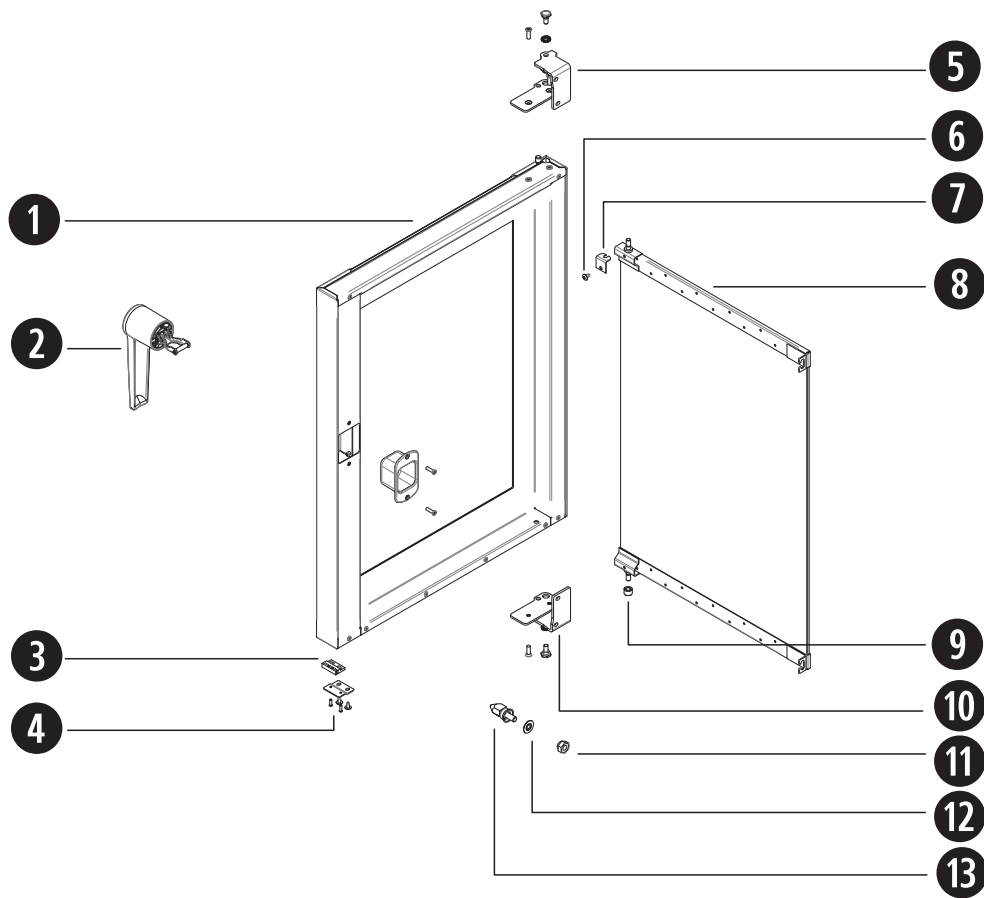
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External components



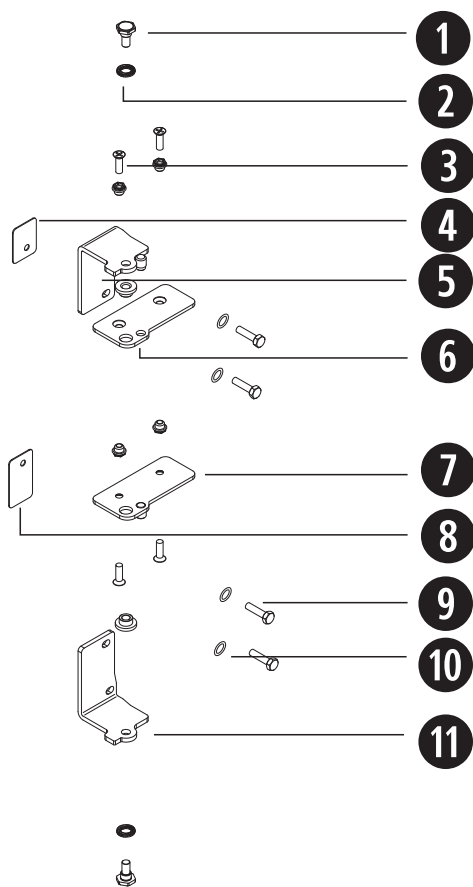
	PART NO.	DESCRIPTION
1	235633	Side Cover LH
2	235632	Top Panel
3	235634	Side Cover RH
4	235666	Door Assembly (Complete)

Door



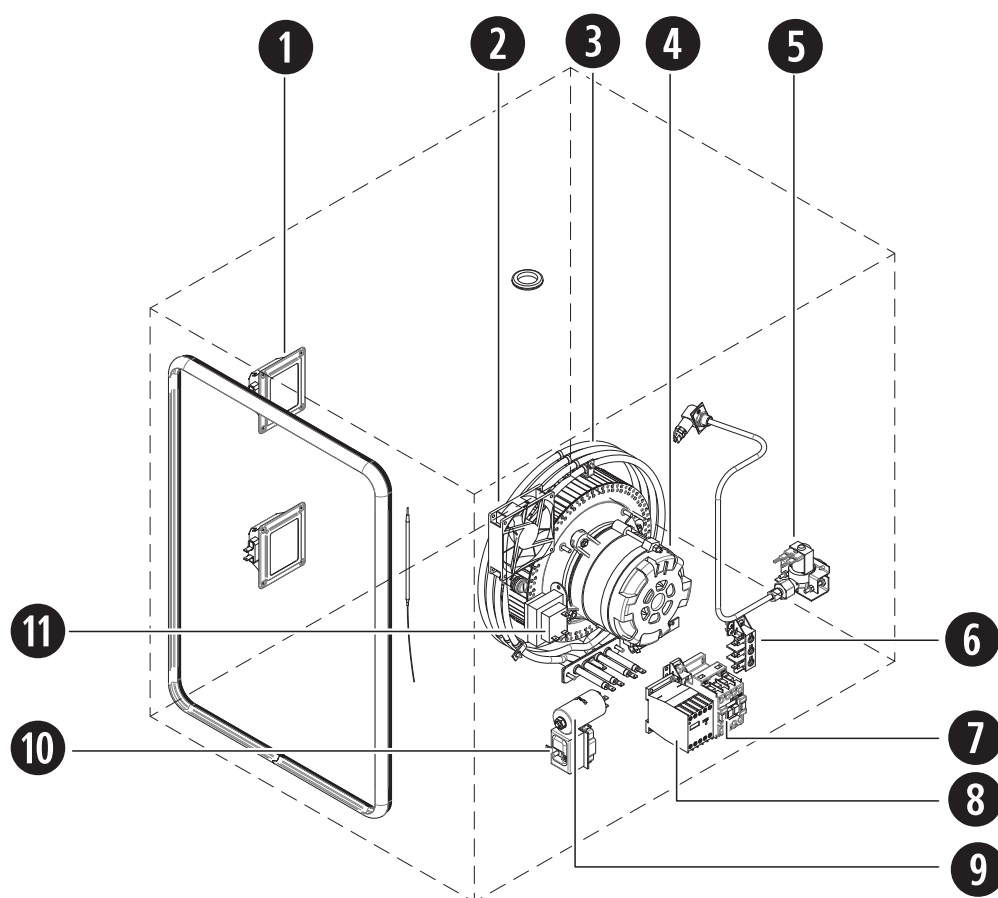
	PART NO.	DESCRIPTION
1	236203	Door Outer Glass Assembly
2	235859	Door Handle Assembly
3	234725	Actuator Magnet Pic MSM-328
4	236218	Actuator Magnet Bracket Studded
5	237167	Door Hinge Set (Includes Top & Bottom)
6	041045	Screw 8 x 3/8 inches Truss HD Phl NP
7	234779	Inner Glass Retaining Clip
8	235652	Door Inner Glass Assy
9	234767	Inner Glass Pivot Spacer
10	237167	Door Hinge Set (Includes Top & Bottom)
11	235105	Door Strike Escutcheon Washer
12	236014	Door Strike Pin Escutcheon
13	231804	Single Step Locking Dog
	231805	Dual Step Locking Dog (Optional)

Door hinge



	PART NO.	DESCRIPTION
1	234680	Door Hinge Pivot Pin
2	045214	Washer M8 Nord-lock T316
3	748047	Screw M5 x 16 CSK Phil HD ST/ST Thrdlock
4	236298	Top Door Hinge Gasket
5	235817	Hinge Top Bracket
6	235823	Hinge Top Plate Assy
7	235822	Hinge Bottom Plate Assy
8	236299	Bottom Door Hinge Gasket
9	748058	Screw M5 x 16 Hex HD SS
10	045024	Washer M5 SS
11	235820	Hinge Bottom Bracket

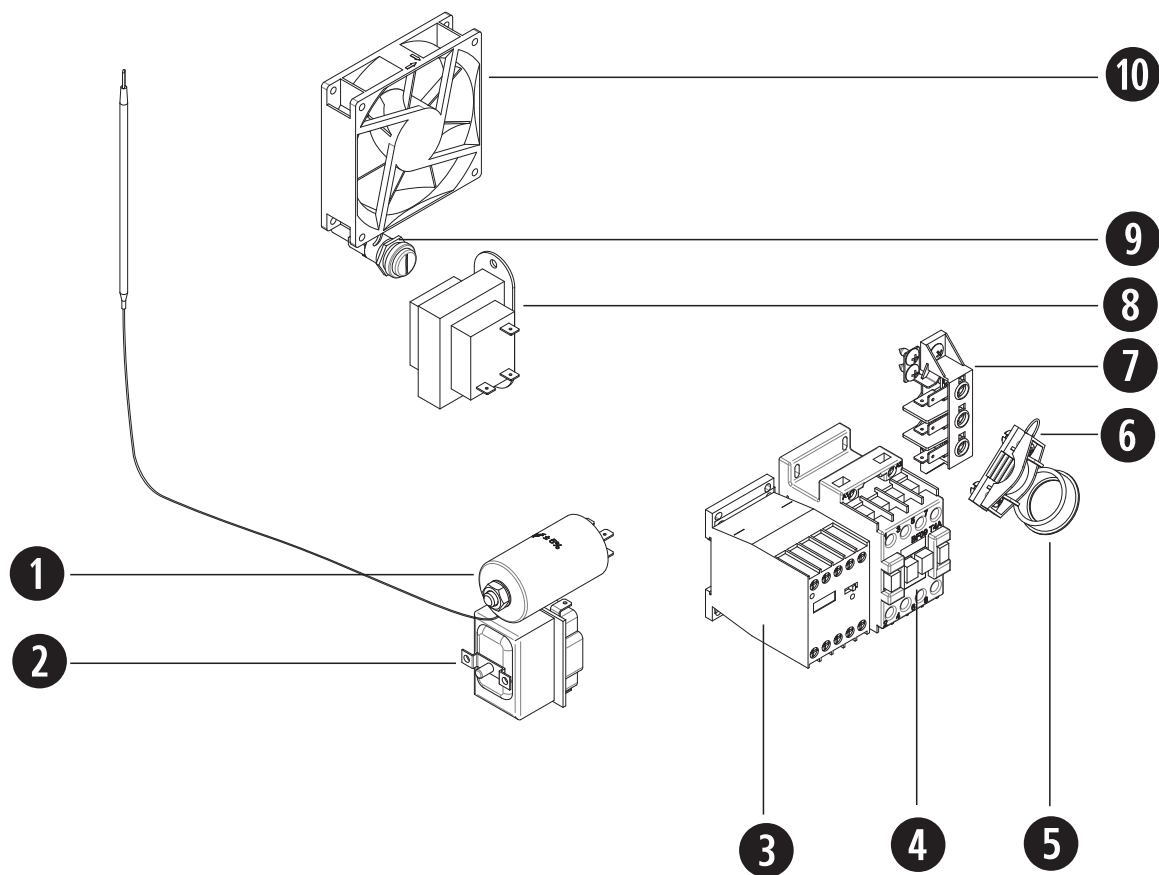
Main components (reference)



- 1 Oven lamp
- 3 Heating fan
- 5 Cooling fan
- 7 Terminal block
- 9 Motor capacitor
- 11 Overtemp thermostat

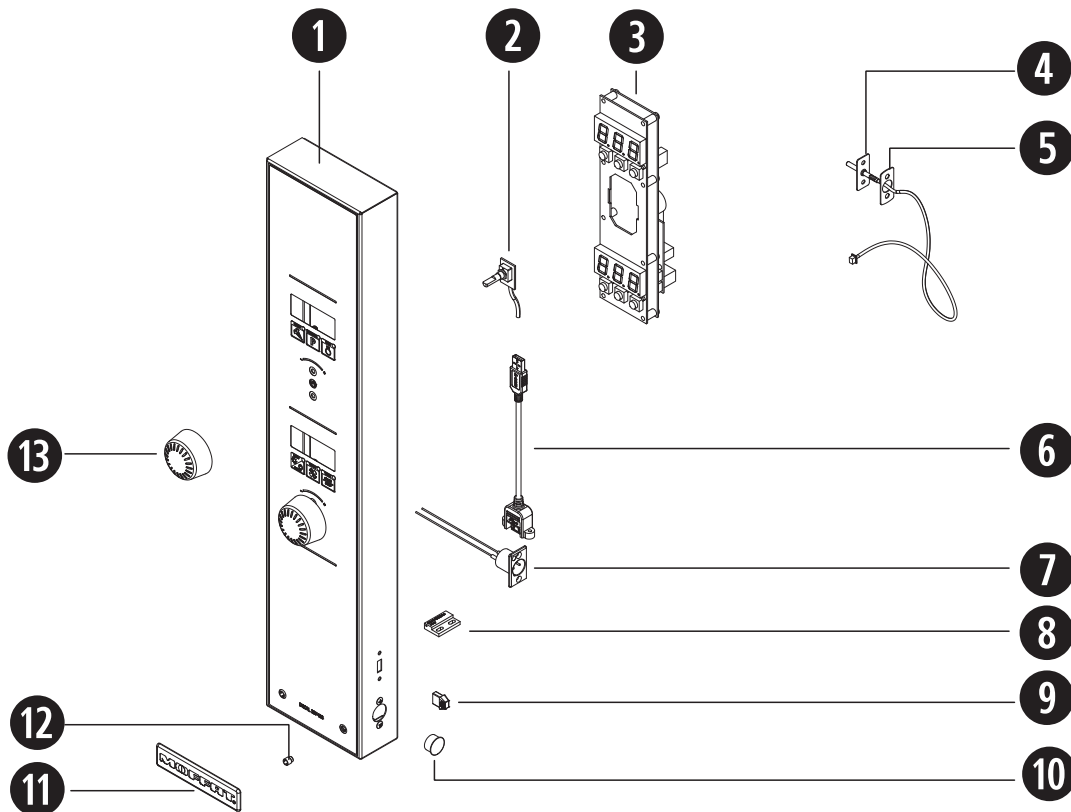
- 2 Heating coil
- 4 Oven vent
- 6 Water solenoid
- 8 Thermal switch
- 10 Door micro-switch

Electrical and switchgear components



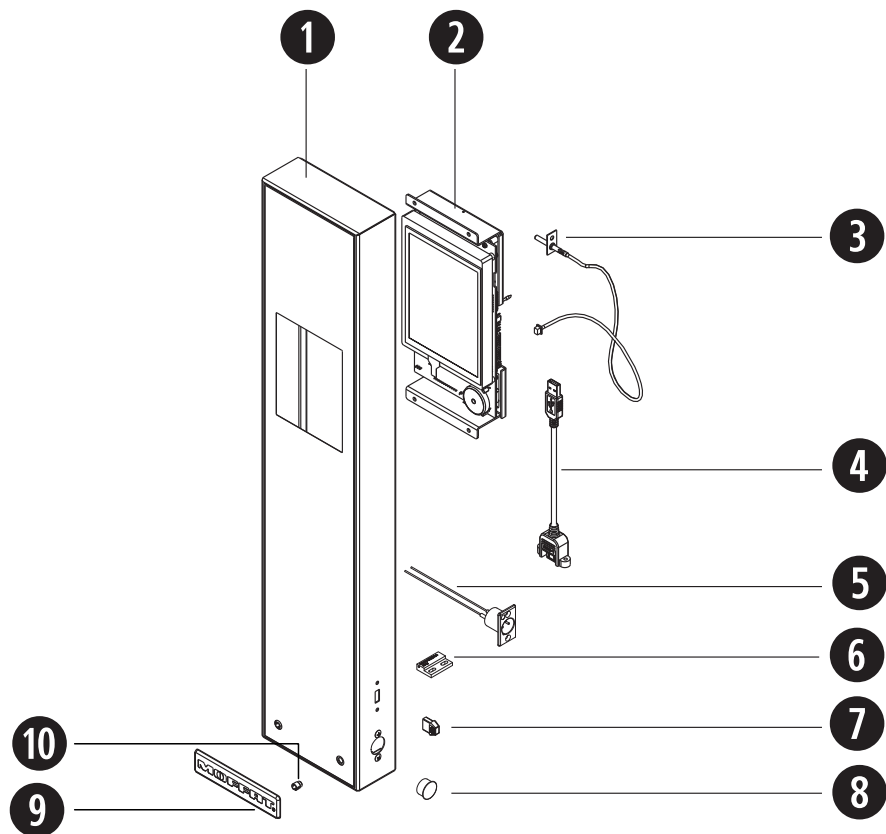
	PART NO.	DESCRIPTION
1	236053	Motor Capacitor 6.3 µf, 60 Hz Only
	236054	Motor Capacitor 8 µf, 50 Hz Only
2	234821	Overtmp Thermostat 355 °C / 670 °F, 3 Pole
3	231742	Contactor Mini (Motor Hi-speed)
4	231738	Contactor 25 A 3p+1no 230 V 50/60 Hz (Heating)
5	019213	Snap Bush Ø31.5
6	026161	Cable Clamp
7	026160	Terminal Block
8	234429	Transformer 208 / 240 V X 12 VAC Sec 20 VA
9	234802	Fuse Holder 16 A 250 V
	234803	Fuse 10 A (Not Korea)
10	234460	Cooling Fan 92x92x25 230 V 50/60 Hz

Control panel (digital)



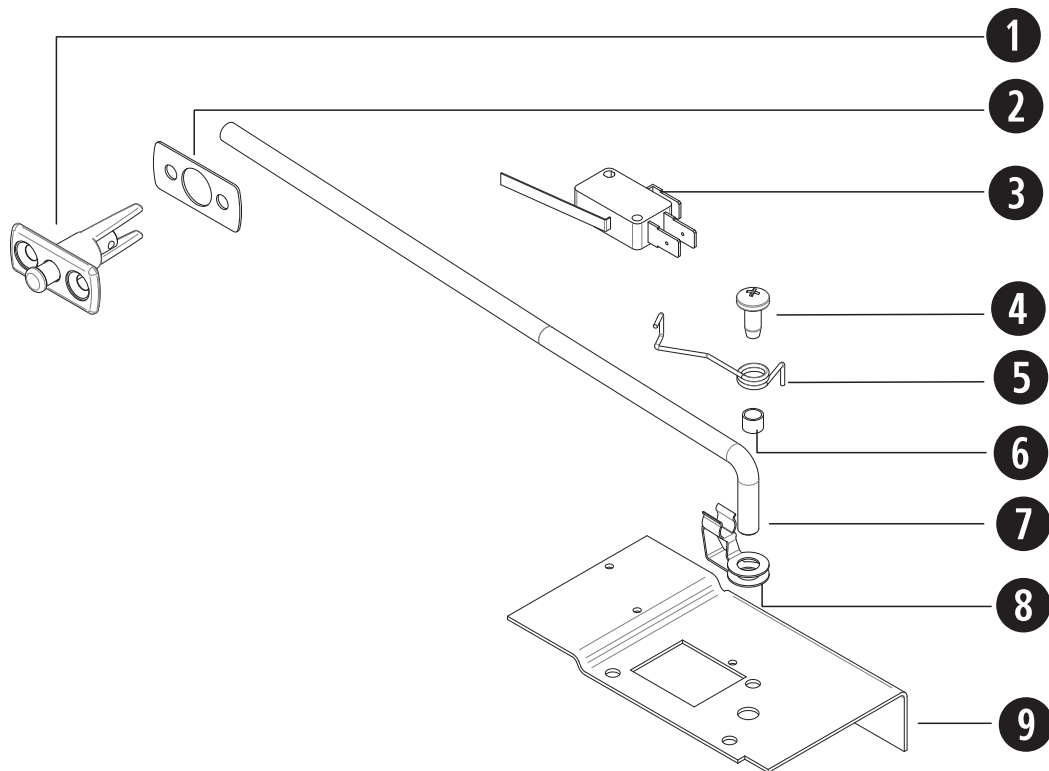
	PART NO.	DESCRIPTION
	242320	5-way Mate-n-Lok Connector / Plug Kit (Not Shown)
	242321	3-way Mate-n-Lok Connector / Plug Kit (Not Shown)
	242322	2-way Mate-n-Lok Connector / Plug Kit (Not Shown)
	748019	Screw M4 x 10 Taptite Pan Pozi ZP (Not Shown)
1	243255	Control Panel Laminated E32D/E33D USB
2	243260	Rotary Encoder and Cable
3	247184	Digital Controller Kit 30D USB-series
4	237447	Temp Probe PT1000 31D/32D/33D
5	236885	Temp Probe Gasket
6	235846	Panel Socket Core Temp - D Series
7	235700	USB Cable Panel Mount Type a 0.3 m
8	235701	USB Protective Cap Type A
9	236192	Dome Plug 15.9
10	235848	Reed Switch
11	233865	Badge Moffat
12	228132	Tube Clip #5
13	243261	Rotary Control Knob

Control panel (touchscreen)



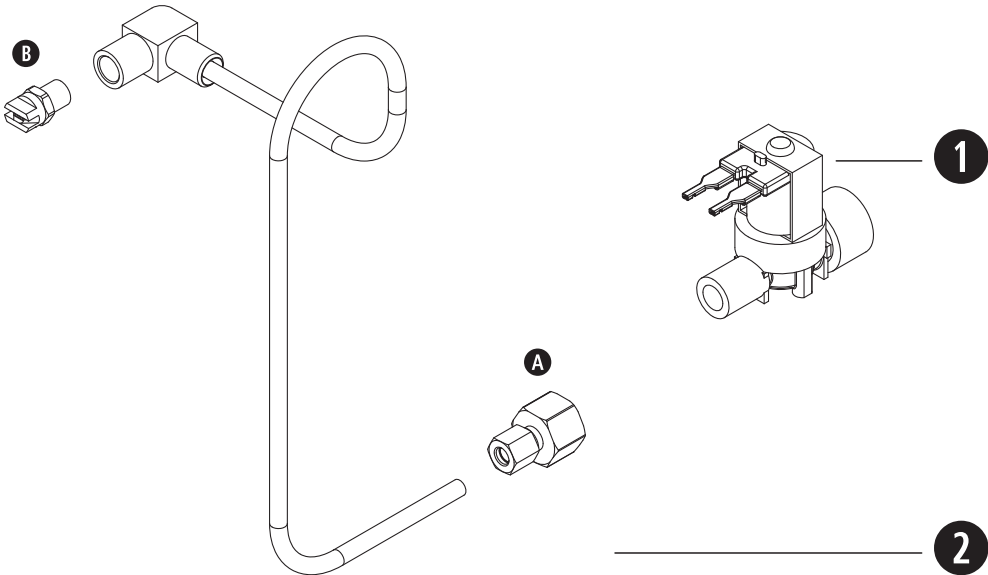
	PART NO.	DESCRIPTION
1	235660	Control Panel Laminated
2	236258	Touch Controller Kit E32T (General Market) (includes nuts for mounting to control panel)
	240063	Touch Controller Kit (E33T / P83T-UC Speedway) (includes nuts for mounting to control panel)
	240099	Touch Controller Kit (E33T / H10T Dominos) (includes nuts for mounting to control panel)
	240103	Touch Controller Kit (C-Store) (includes nuts for mounting to control panel)
	239353	Touch Screen Display / Pad Kit (Screen Only)
3	237448K	Oven Temperature Probe Kit (T-Series)
4	235700	USB Cable Panel Mount
5	236206	Panel Socket Core Temp - T Series
6	235848	Reed Switch
7	235701	USB Protective Cap
8	236192	Dome Plug 15.9
9	233865	Badge Moffat
	233867	Badge Blue Seal
10	228132	Tube Clip #5

Door micro-switch



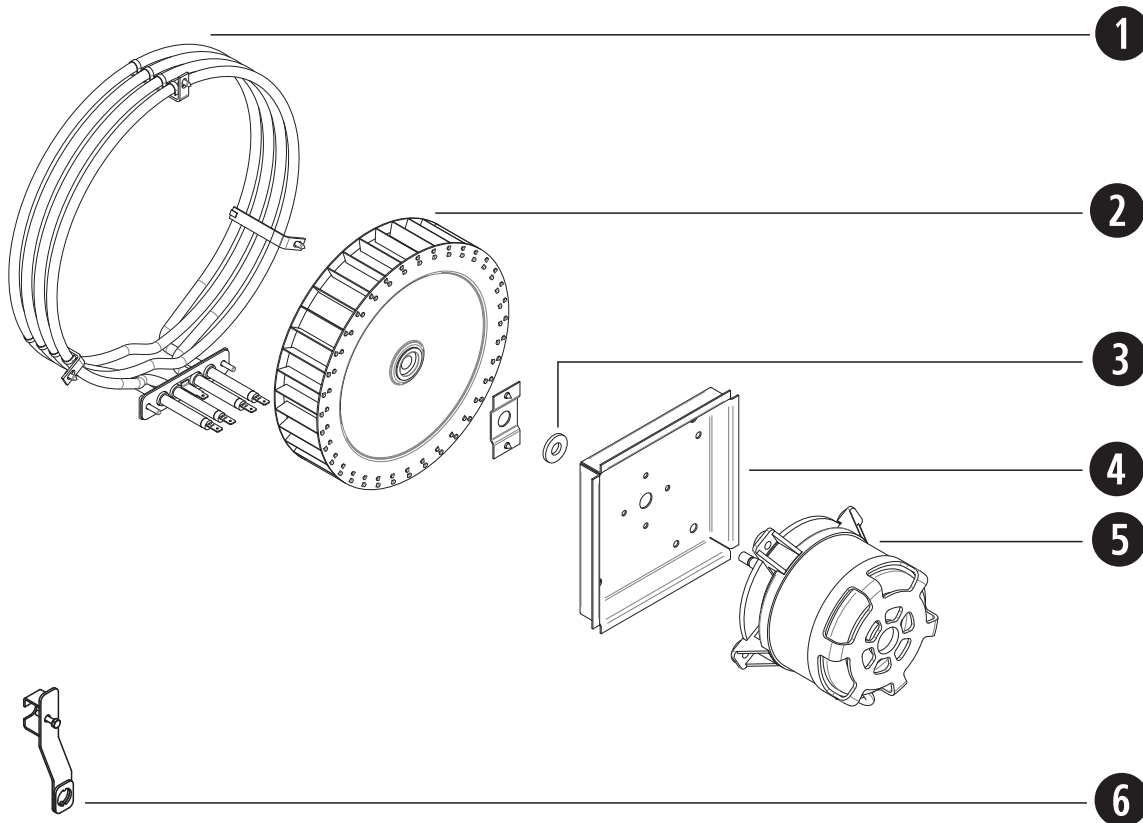
	PART NO.	DESCRIPTION
1	236880	Microswitch Button Assembly
2	236885	Microswitch Button Gasket
3	024802	Door Microswitch
4	041043	Screw M5 x 12 Taptite PHIL
5	235354	Microswitch Return Spring E32
6	003397	Spacer Plated
7	236886	Microswitch Rod
8	017929	Damper Rod Clip
9	232911	Microswitch Bracket

Water solenoid



	PART NO.	DESCRIPTION
-	025922	Adaptor Brass ¾ inch BSP (USA / Canada Only)
-	021527	Washer Rubber (USA / Canada Only)
1	020851	Water Solenoid
2	241800	Water Tube Assembly Kit
A	020869	Female Connector
B	021057	Spray Nozzle

Heating components



	PART NO.	DESCRIPTION
1	236109K	Oven Element Kit 5800 W 240 V (Item 236264 is Supplied With This Kit)
	236110K	Oven Element Kit 5800 W 220 V (Item 236264 is Supplied With This Kit)
	236264	Element Gasket (Not Shown)
2	234138	Fan D220 X H50 (for 50 Hz)
	234625	Fan D200 X H50 (for 60 Hz)
3	235610	Motor Shaft Seal
4	237341	Motor Mounting Plate
5	237335K	Fan Motor L7- EB50 2/4 Pole 2 Speed
6	235398	Fan Puller / Tightener

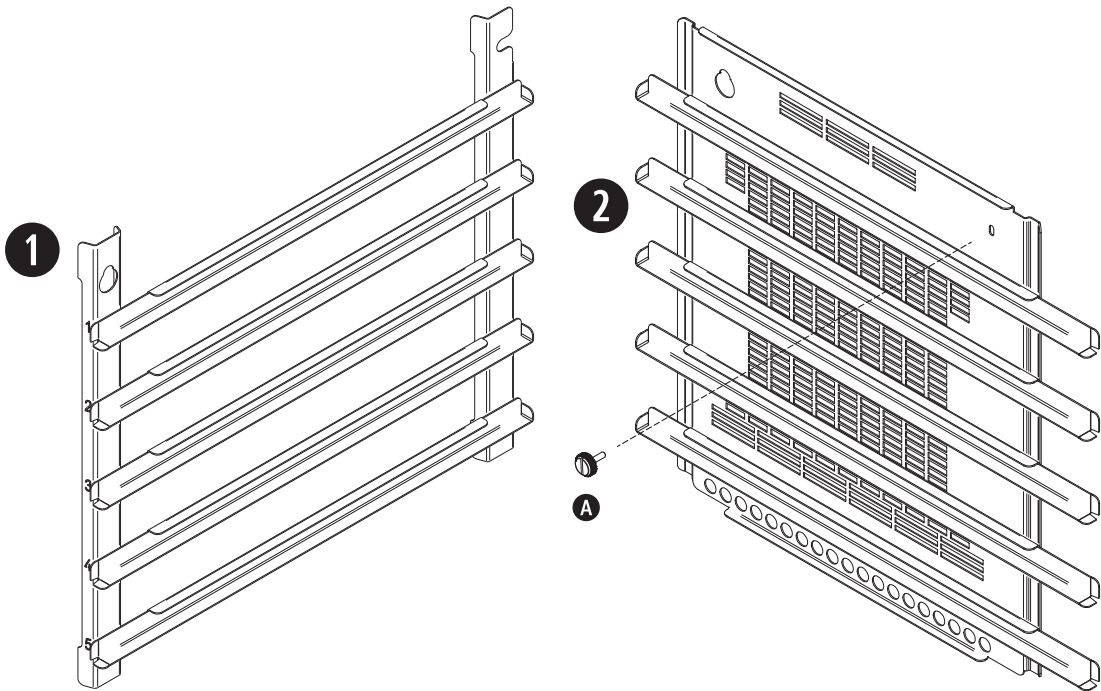
Fasteners

FASTENER	PART NO.	DESCRIPTION
	026162	2.5 x 3.5 in. HiLo
	041022	6 x 3/8 in. Pan Head Pozi S/T ZP
	041036	8B x 3/8 in. Pan head Phillips
	041043	M5 x 12 Taptite Head Phillips
	041045	8 x 3/8 in. Truss Head Phillips
	041065	8 x 3/8 in. Pan Head Pozi S/S
	041070	8 x 3/4 in. Mushroom Head Phillips
	041100	M4 x 40 CSK Cutter Screw
	041410	3/4 x 316 in. BSW Mushroom Head Phillips
	041425	M4 x 6 Pan Head Phillips NP
	041434	M4 x 35 Pan Head Pozi
	041469	316 x 1/2 in. Mushroom Head Phillips
	041633	M6 x 16 Hex HD Set ST/ST
	041670	M10 x 30 Hex Head
	748102	8 x 1/2 in. Truss Head Phillips 304 SS
	748104	8 x 1/4 in Truss Head Phillips 304 SS
	748039	M6 x 12 SEMS Hex Pozi #3 NP
	748045	M5 x 12 CSK Pozi Taptite ZP
	748047	M5 x 16 CSK Phillips
	748057	8 x 1/4 in. Mushroom Head Phillips
	748058	M5 x 16 Hex Head SS
	748103	8 x 5/8 in. Truss Head Phillips 304 SS

ACCESSORIES

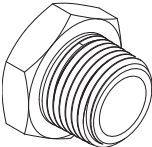
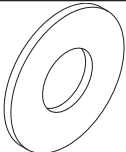
Main accessories

Supplied accessories (fitted)

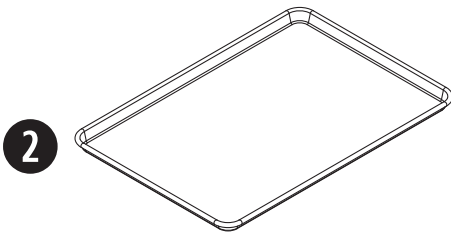
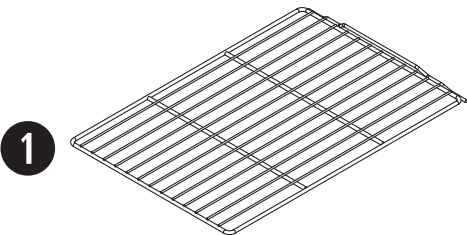


	PART NO.	DESCRIPTION	QUANTITY
1	237109	Side Rack LH 5 Tray (1/1 GN)	1
	238727	Side Rack LH 4 Tray (Half US Pan)	1
2	237015	Side Rack RH 5 Tray (1/1 GN)	1
	238728	Side Rack RH 4 Tray (Half US Pan)	1

Supplied accessories (unfitted)

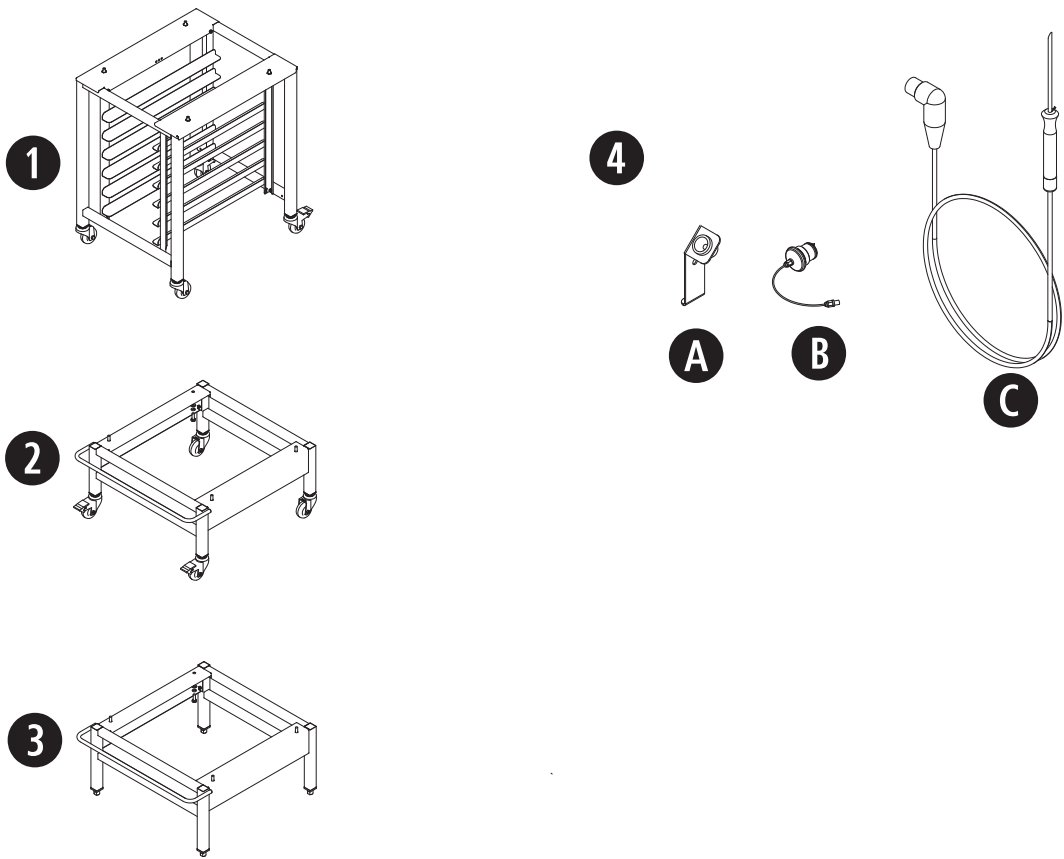
	PART NO.	DESCRIPTION	QUANTITY
	232379	Adjustable Leg 3 inches (76 mm)	4
	232380	Foot O-ring	4
	025922	¾ inch GHT Adapter	1
	021527	Washer	1

Supplied accessories (optional)



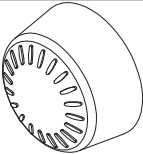
	PART NO.	DESCRIPTION	QUANTITY
1	236057	Oven Rack	5
2	—	Oven Tray	5

Accessories (add-on)

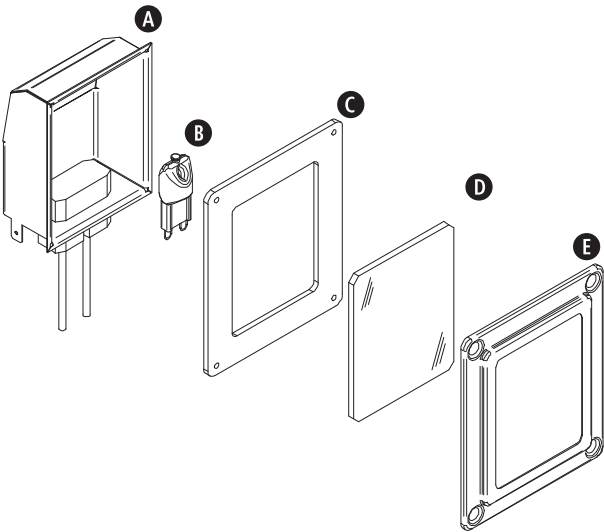


	PART NO.	DESCRIPTION
1	—	SK33 Stand
2	—	DSKE33C Double Stacking kit - Fitted With Castors
3	—	DSKE33 Double Stacking kit - Fitted With Adjustable Feet
4	236060	Core Temperature Probe Kit
A	235845	Core Temperature Probe (PT1000)
B	235847	Dust Cape Core Temperature Socket
C	236486	Core Temperature Probe Holder

Replacement parts

	PART NO.	DESCRIPTION
	235615	Door Seal
	232379	Adjustable Leg 3 inches (76 mm)
	232380	Foot O-ring
	243261	Rotary Control Knob

Lamp



	PART NO.	DESCRIPTION
A	236214	Lamp Holder (bulb Included)
B	231814	Lamp G9/25 W 230 V Halogen
B	241119	Lamp G9 230 V 2.3 W Halogen
C	242092	Gasket
D	021352	Glass Lens
E	021353	Support Frame

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