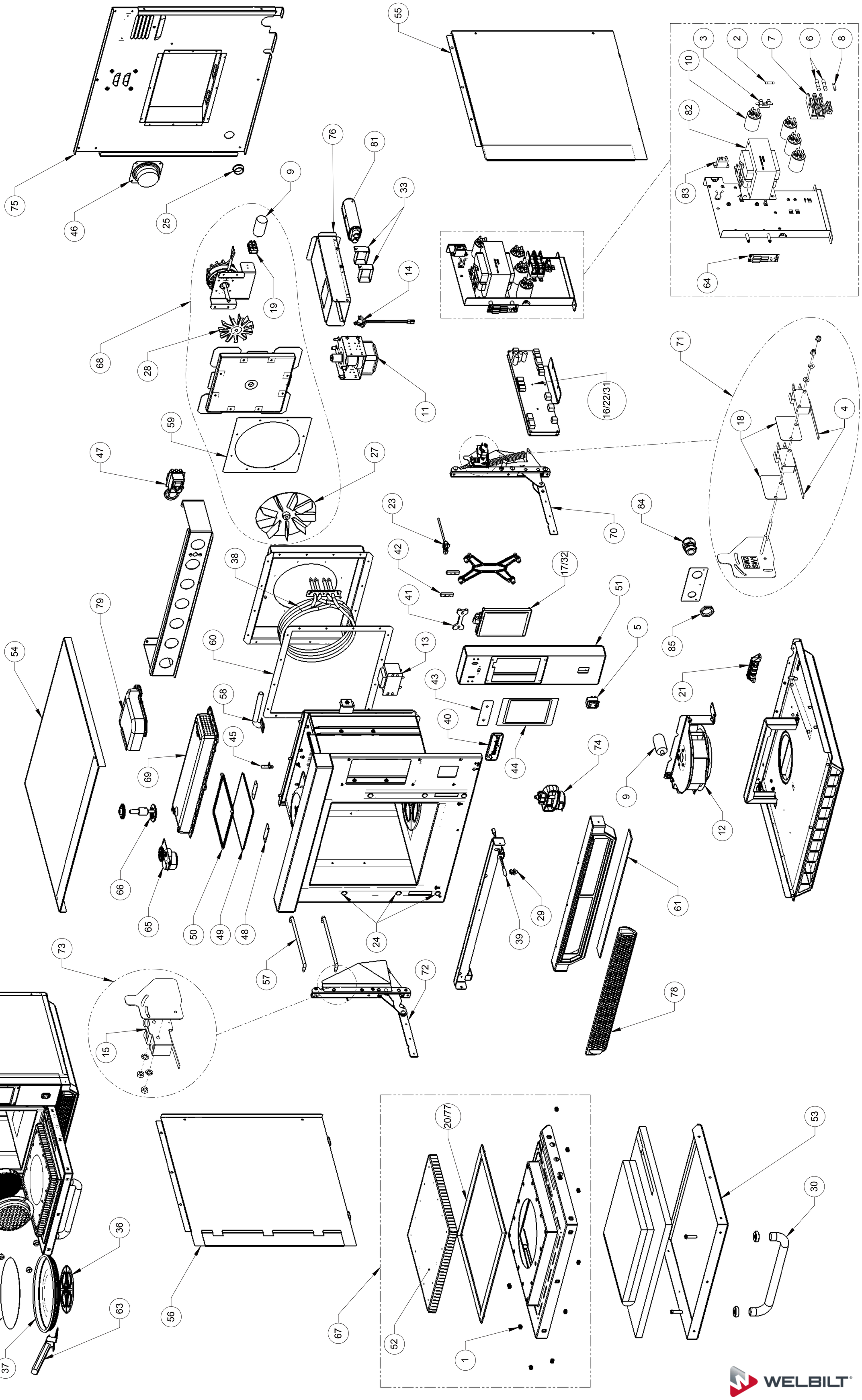
e3 Oven Exploded View

MERRYCHEF



WELBILT

Merrychef eikon e3 Oven

Recommended Parts List **Recommended Min Stock Holding & Service List**

Service Manual Exploded View	Part Number	Description	Qty Per Oven	Unit	1-10 Ovens	11-50 Ovens	51-100 Ovens	Recommended Service List
1	31Z4046	M3 CAGE NUT	9	EA	9	27	54	
4	30Z1459	MICROSWITCH	2	EA	2	6	12	2
5	30Z0503	SWITCH ON/OFF ROCKER DPST	1	EA	1	3	6	1
6	30Z1177	20 AMP LITTLEFUSE FLM020	2	EA	2	6	12	2
7	30Z1178	30A FUSE HOLDER	2	EA	2	6	12	
9 - 12	PSX286	e3 COOLING FAN KIT	1	EA	1	3	6	
10	30Z1340	FILTER 16A SCREW MOUNT	4	EA	4	12	24	
11	P30Z1415	MAGNETRON 2M303H	1	EA	1	3	6	1
14	30Z1427	MAGNETRON OVERHEAT STAT	1	EA	1	3	6	1
15	30Z1430	MICROSWITCH (LARGE)	1	EA	1	3	6	1
16	31Z0688	PATCH CABLE 0.5m QTS SRB	1	EA	1	3	6	
16	P30Z5021	CONTROL PCB UNI **SRB**	1	EA	1	3	6	1
17	P30Z5009	TOUCH SCREEN **QTS** UI PCB	1	EA	1	3	6	1
18	31Z0680	INSULATOR PLATE	2	EA	2	6	12	
19	31Z0630	3-WAY TERMINAL BLOCK	1	EA	1	3	6	
20	31Z0186	SILASTIC BLACK (DOOR SEAL)		TUBE	1	3	6	1
21	31Z0477	4 WAY MAINS TERMINAL BLOCK	1	EA	1	3	6	
23	31Z0600	USB ADAPTOR MODULE	1	EA	1	3	6	
24	31Z1259	SHEET COVER CAP 12MM DIA	6	EA	6	18	36	
25	31Z1307	ETHERNET HOLE PLUG	1	EA	1	3	6	
26	DX0146	SCREW CAT COVER e3	3	EA	3	9	18	
27	SR314	FAN BLADE ASSY e3 & e5	1	EA	1	3	6	
28	31Z4042	MOTOR COOLING FAN BLADE	1	EA	1	3	6	
29	31Z7086	REED SWITCH RETAIN CLIP	1	EA	1	3	6	
30	DV0431	DOOR HANDLE	1	EA	1	3	6	
30 - 53 - 67	PSX174	DOOR ASSY e3	1	EA	1	3	6	
31	32Z7061	PERSONALITY MODULE **SRB e3**	1	EA	1	3	6	1
32	32Z7064	PERSONALITY MODULE **QTS e3**	1	EA	1	3	6	1
33	40H0046	CAPACITOR CLIP - SINGLE	2	EA	2	6	12	
35	40H0221	EC403 CAT COVER (REMOVABLE)	1	EA	1	3	6	
38	PSX173	HEATER ASSEMBLY KIT e3	1	EA	1	3	6	
39	DR0006	REED SWITCH	1	EA	1	3	6	1
40	DR0007	MERRYCHEF BADGE	1	EA	1	3	6	
41	DR0008	MERRYCHEF BADGE SLIDER	1	EA	1	3	6	
42	DR0009	MERRYCHEF BADGE GUIDE	1	EA	1	3	6	
43	DR0047	MERRYCHEF BADGE SEAL	1	EA	1	3	6	
44	DR0011	TOUCHSCREEN OVERLAY	1	EA	1	3	6	1
45	DR0242	Thermocouple K-950	1	EA	1	3	6	1
46	DR0021	HARMONISED SPEAKER	1	EA	1	3	6	
47	DR0042	OVERHEAT SAFETY STAT **(NOTE-8 BELOW)**	1	EA	1	3	6	1
47	PSR153	OTS REPLACEMENT KIT 2021 **(NOTE-8 BELOW)**	1	EA	1	3	6	
48	DV0202	CERAMIC PLATE RETAINER	2	EA	2	6	12	
49	PSR122	e3/e4s STIRR PLATE&SEAL KIT	1	EA	1	3	6	1
50	DV0692	SEAL - CERAMIC COVER	1	EA	1	3	6	1
51	DX0195	CONTROL BOX FINISHED v2 **(NOTE-1 BELOW)**	1	EA	1	3	6	
52	DX0191	DOOR CHOKE FINISHED e3 v2	1	EA	1	3	6	
53	DX0198	DOOR SKIN FINISHED e3 v2	1	EA	1	3	6	
54	DX0199	TOP PANEL e3 v2 **(NOTE-1 BELOW)**	1	EA	1	3	6	
55	DX0180	RHS CASEWORK e3 v2 **(NOTE-1 BELOW)**	1	EA	1	3	6	
55	DX0219	RH CASEWORK e3 **(NOTE-2 BELOW)**	1	EA	1	3	6	
56	DX0179	LHS CASEWORK v2 **(NOTE-1 BELOW)**	1	EA	1	3	6	
56	DX0220	LH CASEWORK e3 **(NOTE-2 BELOW)**	1	EA	1	3	6	
57	DX0031	CAVITY SHELF RUNNER	4	EA	4	12	24	
58	SX320	STEAM PIPE	1	EA	1	3	6	
59	DX0058	HOT BOX 2 MOTOR SEAL	1	EA	1	3	6	
60	DX0059	CAVITY 2 HOT BOX SEAL	1	EA	1	3	6	
61	DX0083	FRONT TRIM SEAL	1	EA	1	3	6	
64	PSR109	DIODE REPLACEMENT KIT	1	EA	1	3	6	1
65	PSA288	STIRRER MOTOR ASSY (PINNED)	1	EA	1	3	6	
66	PSA291	STIRRER ASSY (PINNED)	1	EA	1	3	6	
67	PSX196	DOOR FRAME ASSY e3 V2	1	EA	1	3	6	
68	PSX209	HOT AIR MOTOR SUB-ASSY **(NOTE-5 BELOW)**	1	EA	1	3	6	
68	PSX284	e3 CONVECTION MOTOR ASSY	1	EA	1	3	6	
69	SA374	CAST WAVEGUIDE ASSY	1	EA	1	3	6	
70 - 72	PSR101	eikon DOOR HINGE KIT **(NOTE-6 BELOW)**	1	EA	1	3	6	
71 - 73	PSR102	eikon M/SWITCH BRACKET KIT	1	EA	1	3	6	
74	PSX203	TURNTABLE DRIVE ASSY	1	EA	1	3	6	
75	SX333	REAR CASEWORK ASSY e3 v2 **(NOTE-1 BELOW)**	1	EA	1	3	6	
76	SX334	EXHAUST DUCT ASSY e3 v2	1	EA	1	3	6	

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Merrychef eikon e3 Oven

Recommended Parts List **Recommended Min Stock Holding & Service List**

Service Manual Exploded View	Part Number	Description	Qty Per Oven	Unit	1-10 Ovens	11-50 Ovens	51-100 Ovens	Recommended Service List
77	PSX307	DOOR SEAL ASSY	1	EA	1	3	6	1
78	SX328	AIR FILTER ASSY **(NOTE-2 BELOW)**	1	EA	1	3	6	1
79	PSX278	WAVEGUIDE AIR DUCT	1	EA	1	3	6	
80	PSX199	e3 CERAMIC CAT&SEAL Assy **(NOTE-7 BELOW)**	1	EA	1	3	6	
Not Numbered	DX0194	HOT BOX FINISHED e3 v2	1	EA	1	3	6	
Not Numbered	DX0207	FRONT TRIM FIXING e3 V2 **(NOTE-2 BELOW)**	1	EA	1	3	6	
Not Numbered	SX335	FRONT TRIM ASSY e3 V2 **(NOTE-2 BELOW)**	1	EA	1	3	6	
Not Shown	30Z1457	EIKON SRB 1.25A FUSE	1	EA	1	3	6	1
Not Shown	DR0045	SPEAKER WIRE	1	EA	1	3	6	
Not Shown	DX0079	ONE PIECE BASE SEAL	1	EA	1	3	6	
Not Shown	DX0235	REED SWITCH BRACKET **(NOTE-2 BELOW)**	1	EA	1	3	6	
Not Shown	PSX1101	e3 CATALYST SEAL KIT **(NOTE-7 BELOW)**	1	EA	1	3	6	
Not Shown	SX317	CAVITY + HOT BOX WRAP KIT	1	EA	1	3	6	
Not Shown	SX318	DOOR INSULATION KIT	1	EA	1	3	6	
Not Shown	SX339	AIR FILTER ASSY e3 **(NOTE-3 BELOW)**	1	EA	1	3	6	1
		eikon e3 EE - 230Volts 50HZ 13A - UK - Unique Parts						
2	30Z0217	FUSE 1in 10A HRC	1	EA	1	3	6	1
3	30Z0231	FUSEHOLDER 1in (13A)	2	EA	2	6	12	
8	30Z1207	FUSE 1in 3A HBC	1	EA	1	3	6	1
9	30Z1298	CAPACITOR - MOTOR START **(NOTE-4 BELOW)**	1	EA	1	3	6	
11	30Z1425	TRANSFORMER 240V 50/60Hz	1	EA	1	3	6	1
81	30Z1330	0.88uF 2500V CAPACITOR	1	EA	1	3	6	1
82	P30Z1413	230V 50Hz TRANSFORMER	1	EA	1	3	6	
83	30Z1440	RELAY 240V OMRON	1	EA	1	3	6	1
84	31Z1308	CABLE GLAND PG16	1	EA	1	3	6	
85	31Z1309	GLAND NUT PG16	1	EA	1	3	6	
Not Shown	DX0101	MAINS SUPPLY LEAD A (UK)	1	EA	1	3	6	
		eikon e3 EE - 230Volts 50HZ 16A - AZ - Unique Parts						
		As above eikon e3 EE 230Volts 50Hz 13A - UK but with different Power Cable						
Not Shown	DX0114	MAINS SUPPLY LEAD AV 15A	1	EA	1	3	6	
		eikon e3 EE - 230Volts 50HZ 16A - EU - Unique Parts						
		As above eikon e3 EE 230Volts 50Hz 13A - UK but with different Power Cable						
Not Shown	DX0103	MAINS SUPPLY LEAD A (EU) 15A	1	EA	1	3	6	
		eikon e3 XE - 230Volts 50HZ 32A - UK - Unique Parts						
		As above eikon e3 EE 230Volts 50Hz 13A - UK but with differences below						
84	31Z1255	CABLE GLAND BLACK PG21	1	EA	1	3	6	
85	31Z1256	NUT FOR CABLE GLAND PG21	1	EA	1	3	6	
Not Shown	DX0106	MAINS SUPPLY LEAD C	1	EA	1	3	6	
		eikon e3 XX - 230Volts 50HZ 16A - IN-EU - Unique Parts						
		As above eikon e3 EE 230Volts 50Hz 13A - UK but with differences below						
81	30Z1431	1.2uF 2500V CAPACITOR	1	EA	1	3	6	1
84	31Z1255	CABLE GLAND BLACK PG21	1	EA	1	3	6	
85	31Z1256	NUT FOR CABLE GLAND PG21	1	EA	1	3	6	
Not Shown	DX0109	MAINS SUPPLY LEAD B (EU)	1	EA	1	3	6	
		eikon e3 XX - 230Volts 50HZ 16A - UK - Unique Parts						
		As above eikon e3 230Volts 50Hz 16A - IN-EU but with different Power Cable						
Not Shown	DX0102	MAINS SUPPLY LEAD B (UK)	1	EA	1	3	6	

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Merrychef eikon e3 Oven

Recommended Parts List **Recommended Min Stock Holding & Service List**

Service Manual Exploded View	Part Number	Description	Qty Per Oven	Unit	1-10 Ovens	11-50 Ovens	51-100 Ovens	Recommended Service List
		eikon e3 XX - 230Volts 50HZ 20A - AZ - Unique Parts						
		As above eikon e3 230Vols 50Hz 16A - IN-EU but with different Power Cable						
Not Shown	DX0111	MAINS LEAD ASSY BZ (AZ)	1	EA	1	3	6	
		eikon e3 XX - 230Volts 50HZ 32A - AZ - Unique Parts						
		As above eikon e3 230Volts 50Hz 16A - IN-EU but with different Power Cable						
Not Shown	DX0113	MAINS LEAD ASSY 1P (AZ)	1	EA	1	3	6	
		eikon e3 XX - 220Volts 50HZ 32A - CN - Unique Parts						
		As above eikon e3 230Volts 50Hz 16A - IN-EU but with differences below						
	P30Z1233	50Hz TRANS MULTI 220 240	1	EA	1	3	6	
Not Shown	DX0110	MAINS SUPPLY LEAD J (CN)	1	EA	1	3	6	
		eikon e3 XX - 230Volts 50HZ 32A - CN - Unique Parts						
		As above eikon e3 230Volts 50Hz 16A - IN-EU but with differences below						
	P30Z1413	230V 50Hz TRANSFORMER	1	EA	1	3	6	
Not Shown	DX0110	MAINS SUPPLY LEAD J (CN)	1	EA	1	3	6	
		eikon e3 XX - 230Volts 50HZ 32A - UK - Unique Parts						
		As above eikon e3 XE 230Volts 50Hz 32A - UK						
					1	3	6	
		eikon e3 EE - 220Volts 60HZ 13A - SA - Unique Parts						
2	30Z1332	1.05uF CAPACITOR 2500V	1	EA	1	3	6	1
3	30Z0231	FUSEHOLDER 1in (13A)	2	EA	2	6	12	1
8	30Z0217	FUSE 1in 10A HRC	1	EA	1	3	6	1
9	30Z1446	STARTER CAP 2uF UL **(NOTE-4 BELOW)**	1	EA	1	3	6	
11	30Z1425	TRANSFORMER 240V 50/60Hz	1	EA	1	3	6	1
81	30Z1207	FUSE 1in 3A HBC	1	EA	1	3	6	1
82	P30Z1230	60HZ TRANS MULTI TAP	1	EA	1	3	6	
84	31Z1308	CABLE GLAND PG16	1	EA	1	3	6	
85	31Z1309	GLAND NUT PG16	1	EA	1	3	6	
Not Shown	DX0101	MAINS SUPPLY LEAD A (UK)	1	EA	1	3	6	
		eikon e3 EE - 220Volts 60HZ 13A - SA - Unique Parts						
		As above eikon e3 220Volts 60Hz 13A - SA but with differences below						
84	31Z1255	CABLE GLAND BLACK PG21	1	EA	1	3	6	
85	31Z1256	NUT FOR CABLE GLAND PG21	1	EA	1	3	6	
Not Shown	DX0106	MAINS SUPPLY LEAD C	1	EA	1	3	6	1
		eikon e3 XX - 220Volts 60HZ 30A - BR - Unique Parts						
2	30Z1443	FUSE 3A UL	1	EA	1	3	6	1
3	30Z0285	FUSEHOLDER 1 1/4in	2	EA	2	6	12	1
8	30Z1445	FUSE 10A UL	1	EA	1	3	6	1
9	30Z1446	STARTER CAP 2uF UL **(NOTE-4 BELOW)**	1	EA	1	3	6	
81	30Z1332	1.05uF CAPACITOR 2500V	1	EA	1	3	6	1
82	P30Z1230	60HZ TRANS MULTI TAP	1	EA	1	3	6	
84	31Z1255	CABLE GLAND BLACK PG21	1	EA	1	3	6	
85	31Z1256	NUT FOR CABLE GLAND PG21	1	EA	1	3	6	
Not Shown	30Z1587	LV TRANS HCT	1	EA	1	3	6	1
Not Shown	SR228	MAINS SUPPLY LEAD DJ	1	EA	1	3	6	
		eikon e3 XX - 220Volts 60HZ 30A - MX - Unique Parts						
		As above eikon e3 230Volts 60Hz 30A - BR but with different Power Cable						
Not Shown	31Z1266	PLUG & LEAD ASSY (SUBWAY)	1	EA	1	3	6	

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Merrychef eikon e3 Oven

Recommended Parts List **Recommended Min Stock Holding & Service List**

Service Manual Exploded View	Part Number	Description	Qty Per Oven	Unit	1-10 Ovens	11-50 Ovens	51-100 Ovens	Recommended Service List
		eikon e3 XX - 220Volts 60HZ 30A - TW - Unique Parts						
		As above eikon e3 EE 220Volts 60Hz 13A - SA but with differences below						
84	31Z1255	CABLE GLAND PG21	1	EA	1	3	6	
85	31Z1256	GLAND NUT PG21	1	EA	1	3	6	
Not Shown	SA2146	MAINS LEAD DZ	1	EA	1	3	6	
		eikon e3 XX - 208/240Volts 60HZ 30A - USA - Unique Parts						
		As above eikon e3 XX 220Volts 60Hz 30A - BR but with different Power Cable						
Not Shown	31Z1266	PLUG & LEAD ASSY (SUBWAY)	1	EA	1	3	6	
		eikon e3 XX - 220Volts 60HZ 32A - SA - Unique Parts						
		As above eikon 230Volts 50Hz 13A - UK/EU but with differences below						
2	30Z0217	FUSE 1in 10A HRC	1	EA	1	3	6	1
3	30Z0231	FUSEHOLDER 1in (13A)	2	EA	2	6	12	
8	30Z1207	FUSE 1in 3A HBC	1	EA	1	3	6	1
9	30Z1298	CAPACITOR - MOTOR START **(NOTE-4 BELOW)**	1	EA	1	3	6	
11	30Z1425	TRANSFORMER 240V 50/60Hz	1	EA	1	3	6	1
81	30Z1332	1.05uF CAPACITOR 2500V	1	EA	1	3	6	1
82	P30Z1230	230V 60Hz TRANSFORMER	1	EA	1	3	6	
84	31Z1255	CABLE GLAND PG21	1	EA	1	3	6	
85	31Z1256	GLAND NUT PG21	1	EA	1	3	6	
Not Shown	DX0106	MAINS SUPPLY LEAD C	1	EA	1	3	6	
		All above oven variations can be fitted with or without Catalytic Converters (see Main List for part no.)						
		eikon Service Kits						
Not Shown	PSR110	TEN SPRING SERVICE KIT e3/e4/e4s/e5 & 402s		EA	1	3	6	
Not Shown	PSR113	TWO SPRING SERVICE KIT e3/e4/e4s/e5 & 402s		EA	1	3	6	1
Not Shown	PSX195	e3 RETROFIT RESISTOR KIT		EA	1	3	6	
Not Shown	PSX287	CAVITY STUD UPGRADE KIT e3		EA	1	3	6	
		e3 Accessories						
34	40H0190	TEFLON SHEET		EA	1	3	6	
36	40H0249	CAST TURNTABLE DISK	1	EA	1	3	6	
37	40H0347	CAST COOKING CAROUSEL/TRAY	1	EA	1	3	6	
63	SR313	GENERIC HANDLE V2	1	EA	1	3	6	
Not Shown	32Z4043	e3 GASRONORM DISH 1/6 S/STEEL	1	EA	1	3	6	
Not Shown	40H0240	ROUND GRILL TRAY		EA	1	3	6	
Not Shown	DR0056	CHROMIUM PLATED STEEL RACK		EA	1	3	6	
Not Shown	DX0117	SQUARE BAKING TRAY	1	EA	1	3	6	
Not Shown	DX0254	SQUARE TRAY LINER	1	EA	1	3	6	

NOTES:

NOTE-1 In May 2012 Casework Changed - Order the folloiwng Part Numbers for **Pre-May 2012** Ovens: DX0005 - Control Box, DX0020 - Top Panel, DX0021 - RHS Casework, DX0022 - LHS Casework & SX305 - Rear Casework Assy.

NOTE-2 In Oct 2013 Casework & Air Filter Changed - Order Part Numbers for **Post-May 2012 / Pre-October 2013** Ovens: DX0179 - LHS Casework, DX0180 - RHS Casework & Air Filter Assy - SX328, DX0207 - Front Trim Fixing, SX335 - Front Trim Assy e3 V2 & DX0083 - Front Trim Seal.

NOTE-3 Post Oct 2013 - Cavity Assy SX338 will **ONLY** Support; SX339 - Air Filter Assy, DX0219 & DX0220 - Casework & DX0235 - Reed Switch Bracket

NOTE-4 Only used with PSX209 - Hot Air Motor Assy - Pre-Feb 2013

NOTE-5 Only used with Pre-Oct 2013 Ovens - Obsolete Use PSX284

NOTE-6 In the event of a broken Hinge Spring, then PSR110 - Spring Replacement Kit is available with tool to replace up to five pairs of springs

NOTE-7 From S/N 190221309xxxx [Feb 2019] onwards UL Approved Ceramic Catalyst and Seals fitted.

NOTE-8 For Pre April 2021 Ovens ONLY fit DR0042 - From April 2021 fit PSR153

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