

Impinger II – Express Digital 1100 Series (Gas/Electric) Domestic Models

Parts Manual

Models:

Please note that the model numbering system changed March 2007. The chart below shows the old model numbering system and its matching new model number.

Old Model Number	→	New Model Number
1116-080-A	→	1116-00z-U-Kxxxx
1116-080-A1	→	1116-037-U-Kxxxx
1116-062-8R	→	1116-00z-U-Kxxxx
1116-023-8	→	1116-00z-U-Kxxxx
1117-080-A	→	1117-00z-U-Kxxxx
1117-080-A1	→	1117-037-U-Kxxxx
1117-023-8	→	1117-00z-U-Kxxxx
1130-080-A	→	1130-00z-U-Kxxxx
1130-080-A1	→	1130-037-U-Kxxxx
1130-08H-A		N/A
1131-080-A	→	1131-00z-U-Kxxxx
1131-080-A1	→	1131-037-U-Kxxxx
1131-08H-A		N/A
1132-080-A	→	1132-00z-U-Kxxxx
1132-080-A1	→	1132-037-U-Kxxxx
1132-08H-A	→	1172-00z-U-Kxxxx
1132-002-8	→	1174-00z-U-Kxxxx
1132-023-8	→	1132-00z-U-Kxxxx
1133-080-A	→	1133-00z-U-Kxxxx
1133-080-A1	→	1133-037-U-Kxxxx
1133-08H-A	→	1173-00z-U-Kxxxx
1161-080-A	→	1131-00z-U-Kxxxx
1162-080-A	→	1132-00z-U-Kxxxx
N/A		1178-00z-U-Kxxxx



Original Document

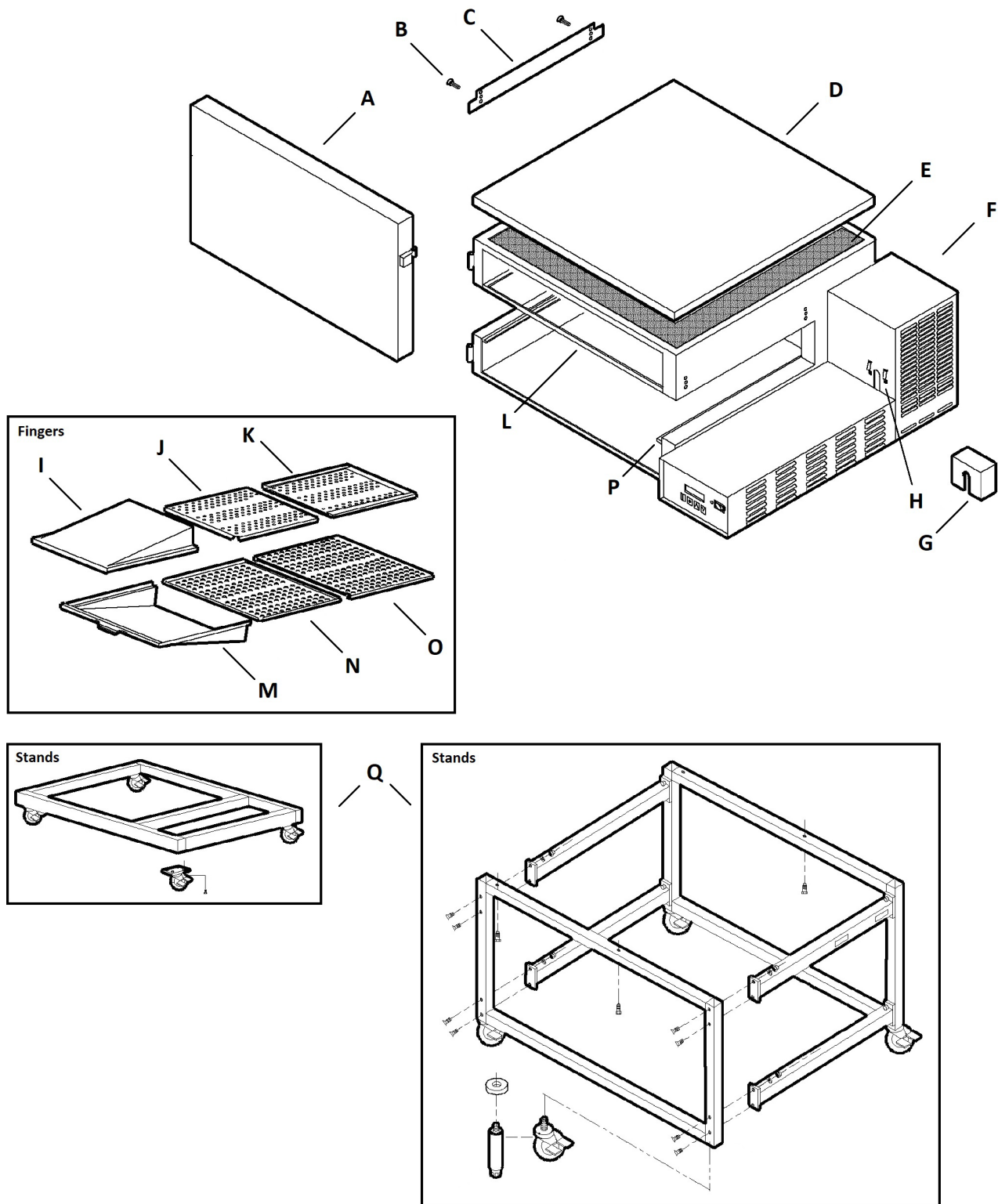
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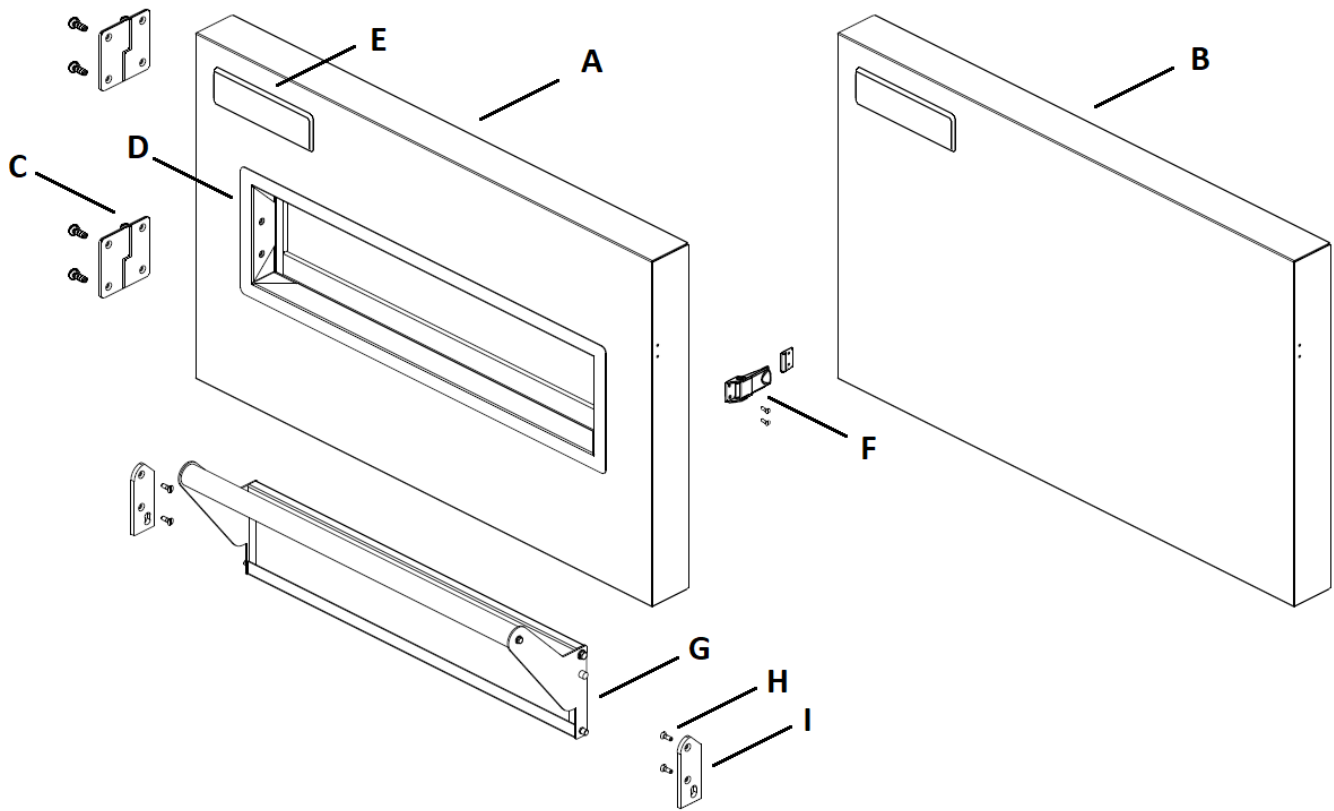
General View Gas and Electric Models



General View Gas and Electric Models

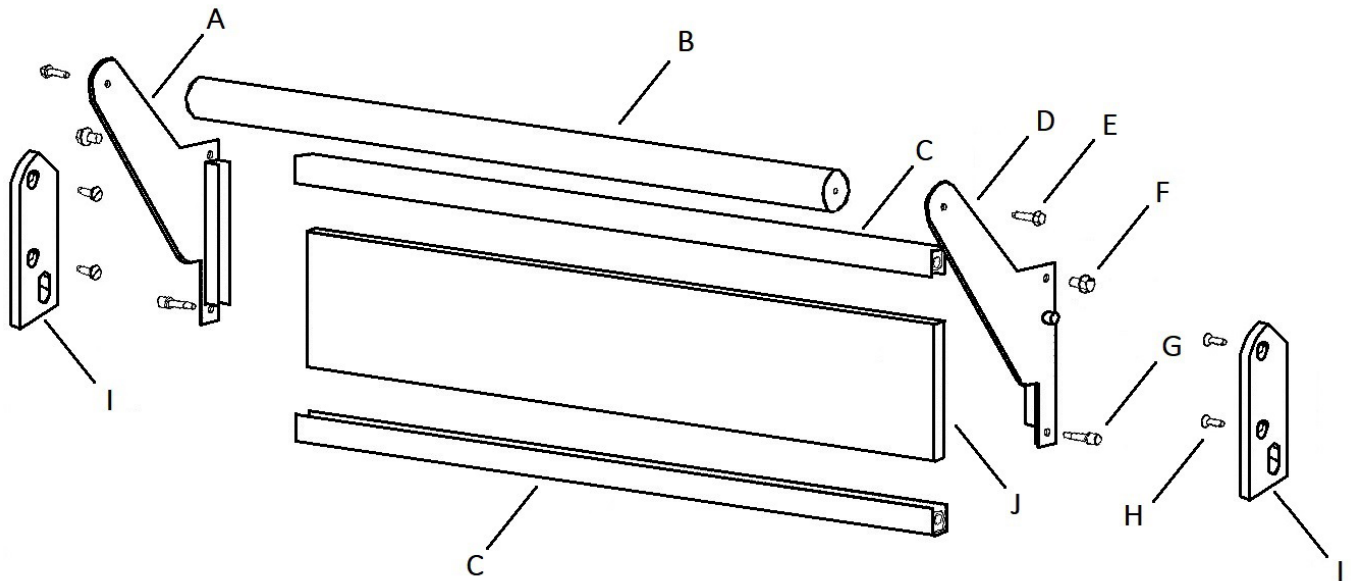
LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A			See "Oven Door" in this manual on Page 6 See "Access Door, Stainless Steel" in this manual on Page 7	
B		369211	Thumb Screw	
C		371066	Baffle	
D		370415 369371	Oven Top Screw (For mounting Oven Top)	
E		370506	Insulation Only (For Oven Top)	
F			See "Control Box Front – Gas Models" In this manual on Page 8 See "Control Box Front – Electric Models" In this manual Page 10	
F			See "Control Box Rear – Gas Models" In this manual on Page 12 See "Control Box Rear – Electric Models" In this manual on Page 14	
G		369659 370679	Conveyor Hole Cover (S/N 2052462 & below) Conveyor Hole Cover (S/N 2052463 to 0805210000806)	
H		371482	Clip (for Conveyor Hole Cover) (S/N 0805210000806 & Below) (No Cover or Clips for S/N 0805210000807 & Above)	
I		369504 370487	Top Finger Housing (Model with –080-A or -00z-U) Top Finger Housing (Model with –080-A1 or -037-U)	
J		Contact Factory	Top Finger Columnating Plate (Customer Specific)	
K		369503 370486	Top Finger Cover (Model with –080-A or -00z-U) Top Finger Cover (Model with –080-A1 or -037-U)	
L		371492 7008013	Top Finger Support (Model with –080-A or -00z-U) Top Finger Support (Model with –080-A1 or -037-U)	
M		370010	Bottom Finger Housing	
N		Contact Factory	Bottom Finger Columnating Plate (Customer Specific)	
O		369502	Bottom Finger Cover	
P		371440	Bottom Finger Support	
Q			See "Oven Stand" in this manual on Page 24	
Not Shown			See "4.3" Touchscreen Control" in this manual on Page 25	

Oven Door Gas and Electric Models



LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A		370414	Complete Door Assembly (With Window)	
B		370413	Complete Door Assembly (Solid)	
C		369513	Door Hinge	
D		370047	Access Door Frame	
E		370016	Name Plate, Impinger	
F		369501	Door Latch & Catch	
G		369110	Access Door Assembly (See Note on Page 7)	
H		369931	Window Retainer (50% Stainless Steel/PTFE)	
I		369929 371171	Retainer Screw	
Not Shown		7002901	Door Shim	

Access Door, Stainless Steel Gas and Electric Models

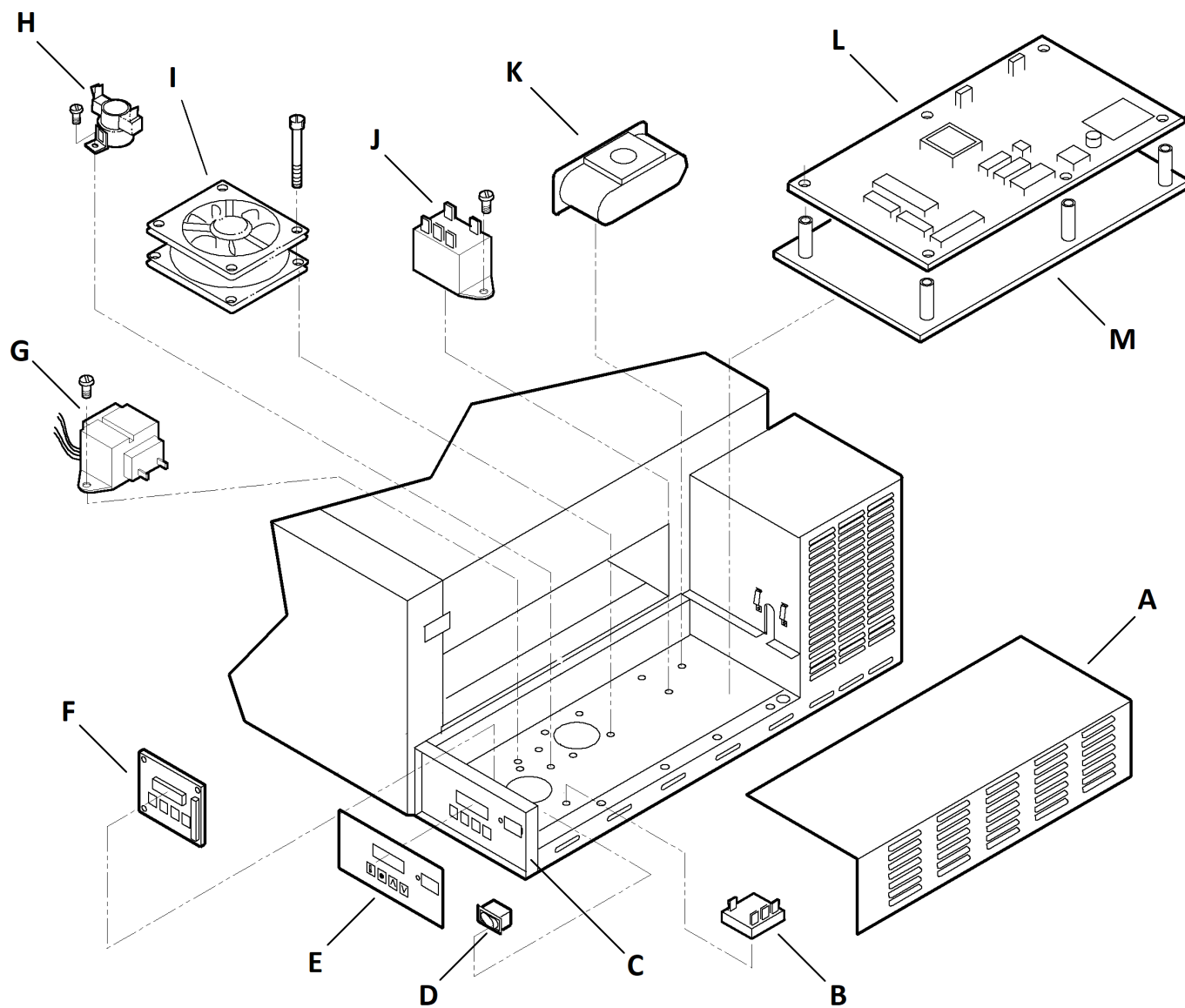


LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
Note: This list is for ovens SN 0908210000875 & above. Parts for ovens below SN 0908210000875, order entire Access Door Assembly 369110				
		369110	Access Door Assembly (Includes Items A thru J)	R
A		371140	Bracket Assembly, Left	
B		371142	Dowel, Access Door	R
C		371144	Access Door Frame (Top or Bottom)	
D		371141	Bracket Assembly, Right	
E		370722	Screw	
F		371143	8-32 x 3/8 Hx Serrated Flange	
G		370725	Dowel Thread	
H		369931	Retainer Screw	
I		369929 371171	Window Retainer (50% Stainless Steel/PTFE) (Standard) Window Retainer (Stainless Steel)	
J		370723 369925	Glass 3.375"x19.80" (S/N 0908210000875 & above) Glass 3.8"x19.80" Old Style	C

Control Box Front Gas Models

LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A		369680	Front Cover Assembly	
B		371220	Front Panel Assembly	
C		369805	Switch, On/Off	C
D		370408 371340	Facia, Pushbutton Facia, Pushbutton "Fast Bake"	R
E		370409	Display (Except Split Belt -050-U)	R
		371426	Display (Split Belt -050-U Only)	
F		369531	Transformer, 24VAC	C
G		369507	Thermostat, Cooling Fan	C
H		369124	Cooling Fan	C
I		369532	Ignition Control Module	C
J		370417 371215	Control Board (Except -008-U & Split Belt -050-U) Control Board (-008-U Only)	C
		371425	Control Board Only (Split Belt -050-U Only)	
K		370410 369856	Stand Off Plate (SN 0903210000317 & Below) Stand Off Support (SN 0903210000318 & Above)	
Not Shown		370411	Control Board (370417) and Display (370409) Combined	
Not Shown		371195	Conveyor Control Board Only (Split Belt) (-050-U Only)	
Not Shown		9910544	Wire Harness	

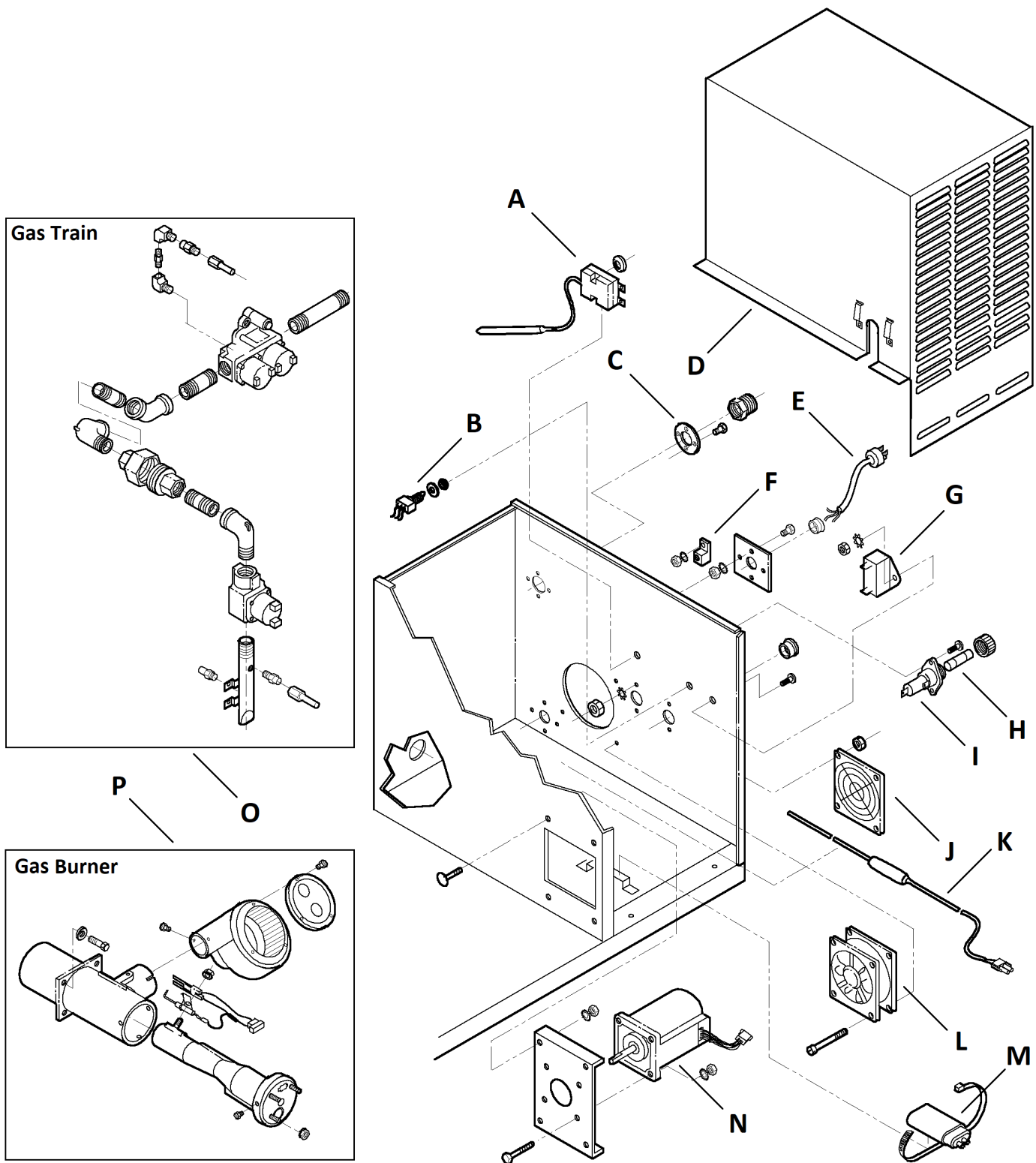
Control Box Front Electric Models



Control Box Front Electric Models

LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A		369680	Front Cover Assembly	
B		369508 370466	Timer, 20-minute (S/N 0809210000016 & below) Timer, 20-minute (S/N 0809210000017 & above)	
C		371220	Front Panel Assembly	
D		369432	Switch, On/Off	C
E		370408 371340	Facia, Pushbutton Facia, Pushbutton "Fast Bake"	R
F		370409	Display (Except Split Belt -050-U)	R
		371426	Display (Split Belt -050-U Only)	
G		369427	Transformer, 24VAC	R
H		369507	Thermostat, Cooling Fan	C
I		369124 369378	Cooling Fan (S/N 0809210000016 & Below) Cooling Fan (S/N 0809210000017 & Above)	C
J		369523 369422	Relay, Oven Start (S/N 0809210000016 & Below) Relay, Oven Start (S/N 0809210000017 & Above)	
K		370673	Air Pressure Switch (Gold Tech)	C
L		370417 371215	Control Board (Except -008-U & Split Belt -050-U) Control Board (-008-U Only)	C
		371425	Control Board Only (Split Belt -050-U Only)	
M		370410 369856	Stand Off Plate (SN 0903210000317 & Below) Stand Off Support (SN 0903210000318 & Above)	
Not Shown		370411	Control Board (370417) and Display (370409) Combined	
Not Shown		371195	Conveyor Control Board Only (Split Belt) (-050-U Only)	
Not Shown		9910546	Wire Harness	

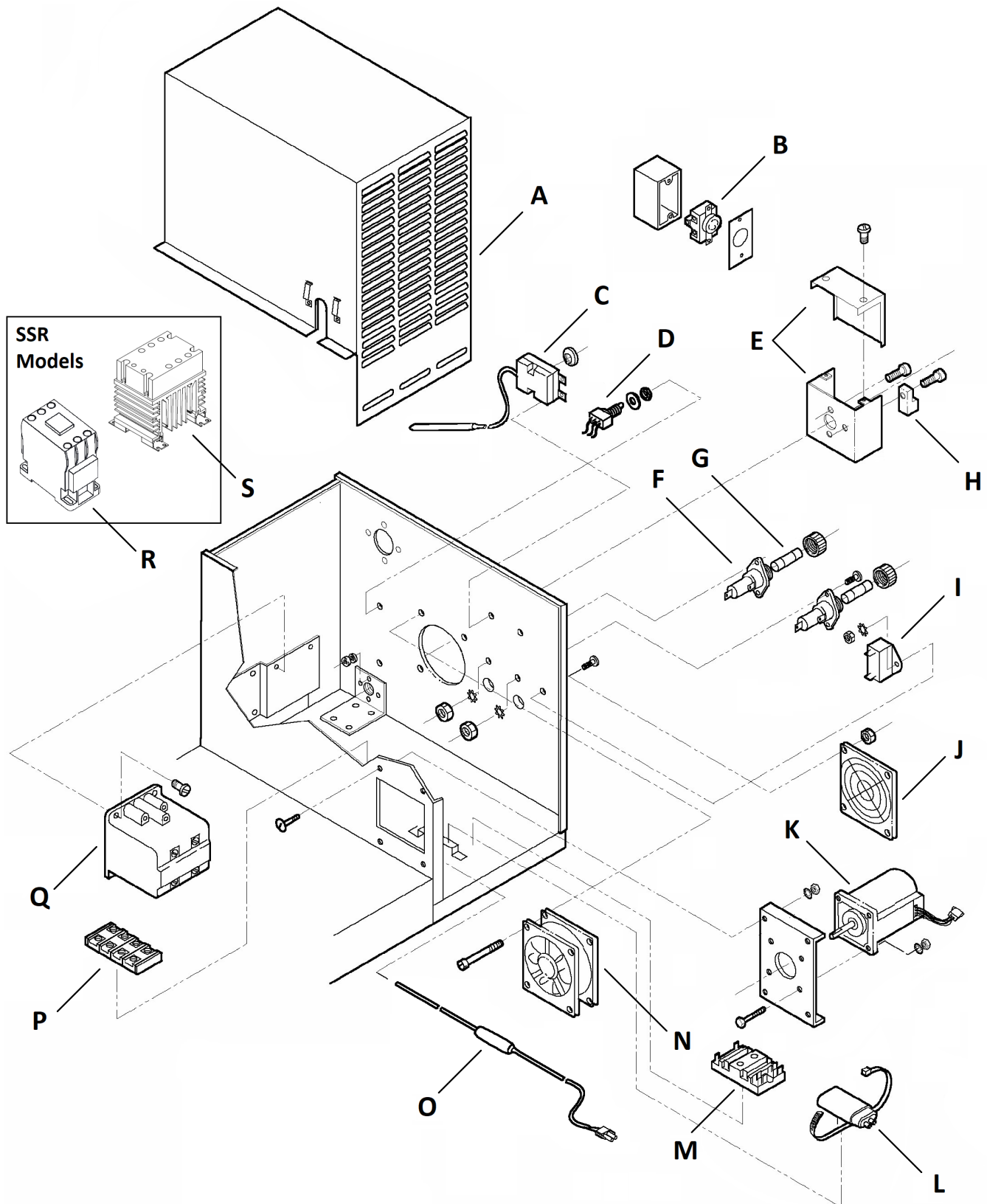
Control Box Rear Gas Models



Control Box Rear Gas Models

LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A		357067	Thermostat, Oven Cavity High-Limit	C
B		370359	Reversing Switch, Conveyor	C
C		371539	Bulkhead, Gas Pipe Assembly	
D		369682 371495	Control Box Cover, Rear (S/N 0805210000807 & Below) Control Box Cover, Rear (S/N 0805210000808 & Above)	
E		369537	Power Cord	
F		370364	Ground Lug	
G		370376 370681	Capacitor, Conv. Motor, 4.5μF Blue (S/N 2052462 & Below) Capacitor, Conv. Motor, 3.5μF Green (S/N 2052463 & Above)	C
H		369166	Fuse, 10A	C
I		369129	Fuse Holder	C
J		369331	Finger Guard	
K		370362	Thermocouple, Type "K"	C
L		369124	Cooling Fan	C
M		371197	Capacitor, Main Fan Motor, 15μF	C
N		FK370378 370675	Conveyor Motor Assembly, Blue Dot (S/N 2052462 & Below) Conveyor Motor Assembly, Green Dot (S/N 2052463 & Above)	C
O			See "Gas Train" in this manual on Page 16	
P			See "Gas Burner" in this manual on Page 17	
Not Shown		370304	HSI Connector Kit	

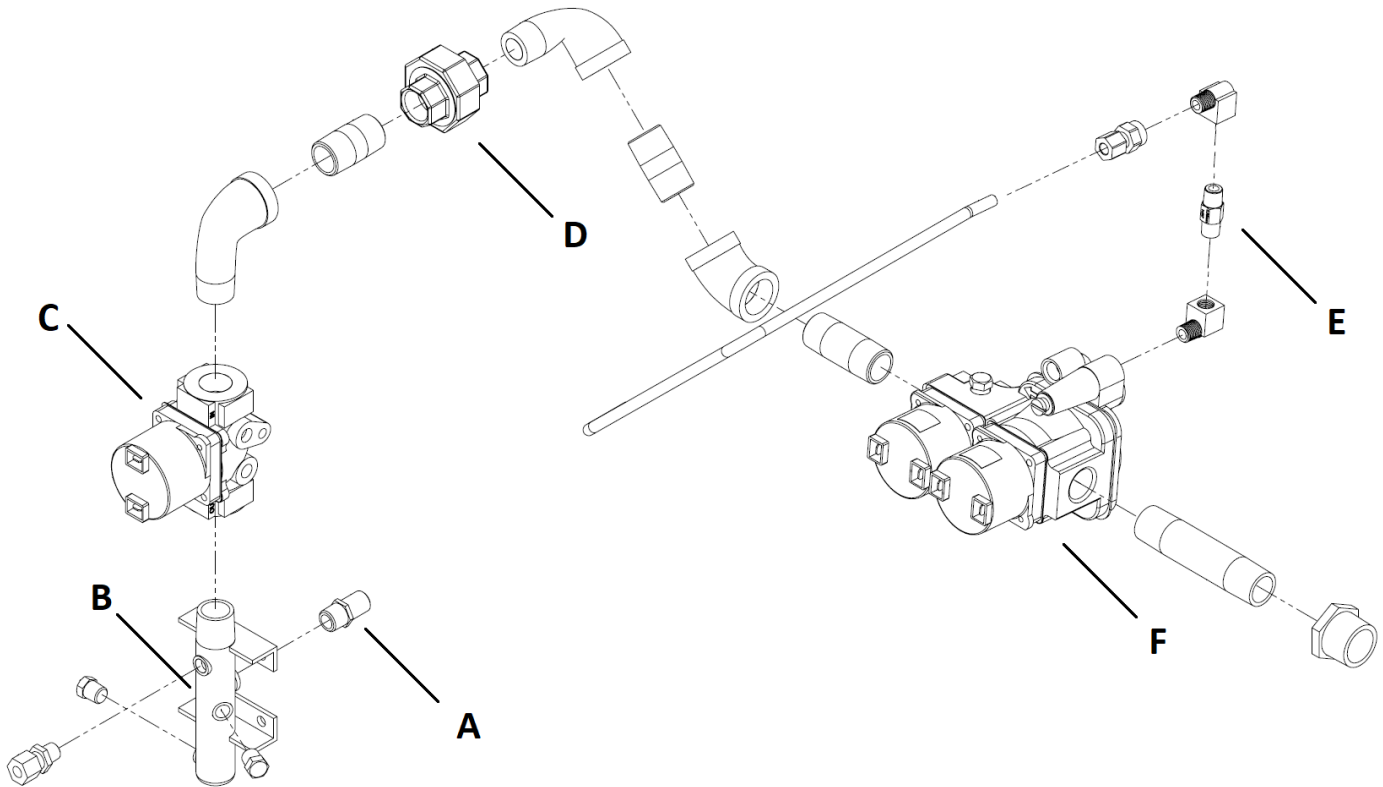
Control Box Rear Electric Models



Control Box Rear Electric Models

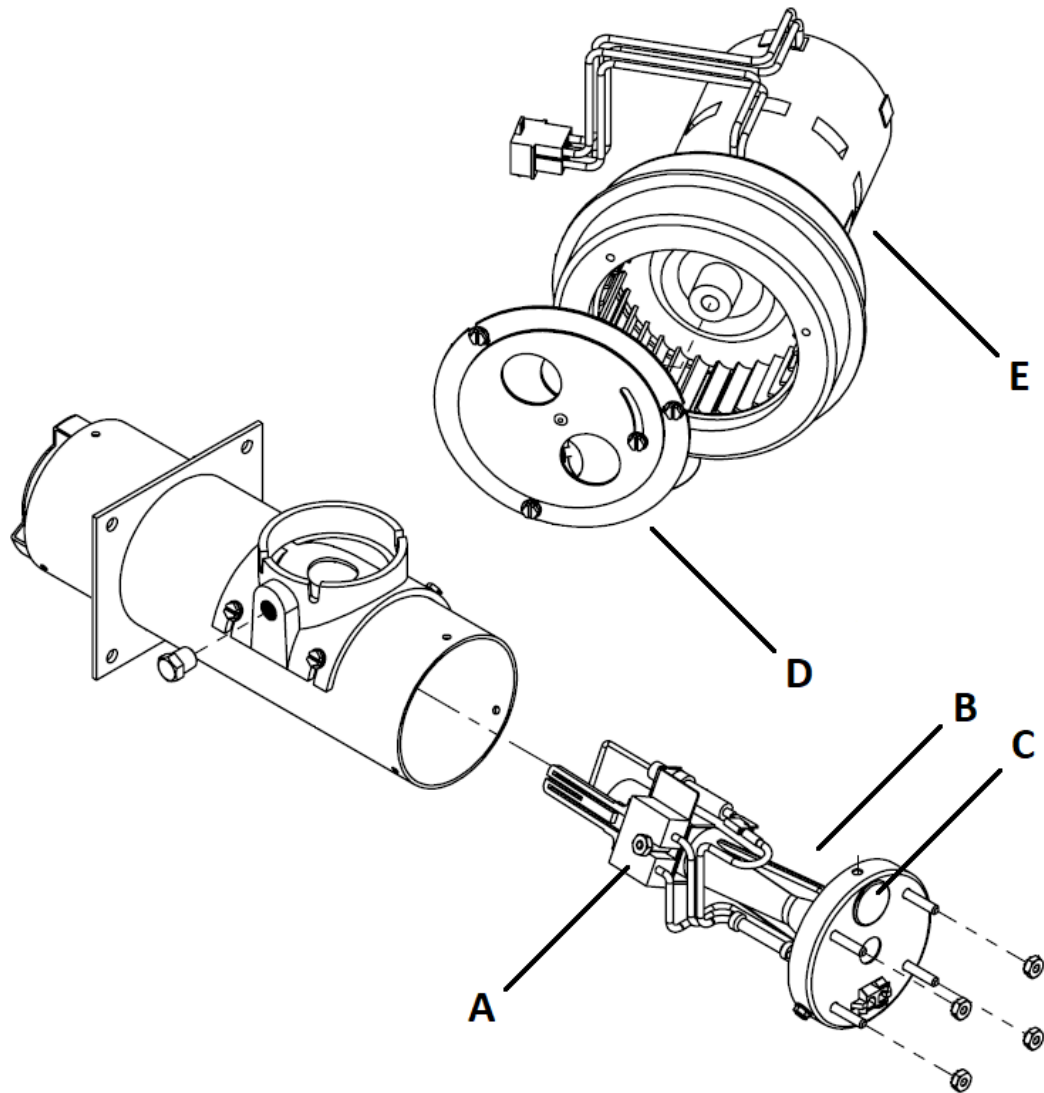
LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A		369682 371495	Control Box Cover, Rear (S/N 0805210000807 & Below) Control Box Cover, Rear (S/N 0805210000808 & Above)	
B		370302	Receptacle	
C		357067	Thermostat, Oven Cavity High-Limit	C
D		370359	Reversing Switch, Conveyor	C
E		370134 370133	Electrical Box Cover Electrical Box	
F		369129	Fuse Holder	C
G		369166	Fuse, 10A	C
H		370364	Ground Lug	
I		370383 370682	Capacitor, Conv. Motor, Red (S/N 2052462 & Below) Capacitor, Conv. Motor, Brown (S/N 2052463 & Above)	C
J		369331	Finger Guard	
K		370384 370676	Conveyor Motor Assembly, Red Dot (S/N 2052462 & Below) Conveyor Motor Assembly, Brown Dot (S/N 2052463 & Above)	C
L		369192	Capacitor, Main Fan Motor, 7.5µF	C
M		369200 369422	Relay, Main Fan (S/N 0809210000016 & below) Relay, Main Fan (S/N 0809210000017 & above)	
N		369124 369378	Cooling Fan (S/N 0809210000016 & Below) Cooling Fan (S/N 0809210000017 & Above)	C
O		370362	Thermocouple, Type "K"	C
P		369185 369187	Terminal Block Section 1 Phase (2 Required) Terminal Block Section (3 Required)	
		369186 369188	Terminal Block End 1 Phase Terminal Block End 3 Phase	
Q		370067 369479-AS 370485-AS	Mercury Contactor 2 Pole (1 Phase) Mercury Contactor 3 Pole (3 Phase) Mercury Contactor 3 Pole (3 Phase) (-08H-A Model Only)	C
R		370739	Contactor, Safety (SSR Ovens Only)	
S		FK90002172	SSR, 75A (Includes Heat Sink) (SSR Ovens Only)	
Not Shown		369837	Noise Suppressor for Mercury Contactor (S/N 1205235000247 & Above) (1PH & 3PH)	

Gas Train Gas Models



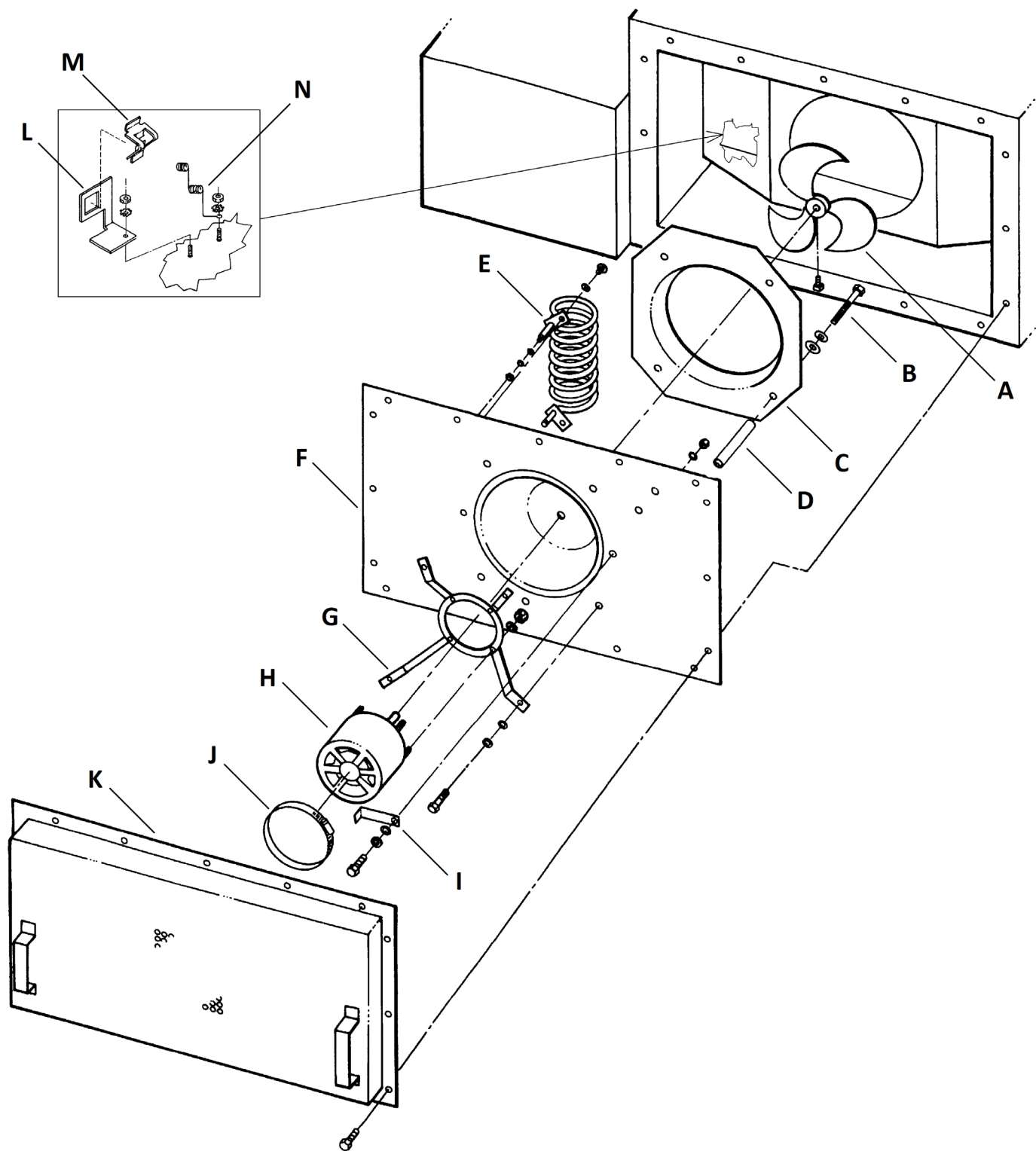
LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A		369566	Orifice, Main, NAT Gas	C
		369524	Orifice, Main, LP Gas	R
B		369901	Burner Manifold	
C		369398	Valve, Temperature Regulation	C
D		369564	Union, 1/2" X 1/2"	
E		370031	Orifice, Bypass, NAT Gas	R
		369557	Orifice, Bypass, LP Gas	R
F		369263	Gas Valve, Main/Pilot, NAT/LP	C
Not Shown		G02251-1	Pressure Test Fitting	

Gas Burner Gas Models



LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A		369552	Hot Surface Igniter	C
B		369568	Burner Venturi, NAT Gas	
		369938	Burner Venturi, LP Gas	
C		390131	Sight Glass	
D		369401	Air Shutter Assembly	
E		369366	Burner Blower Motor	C

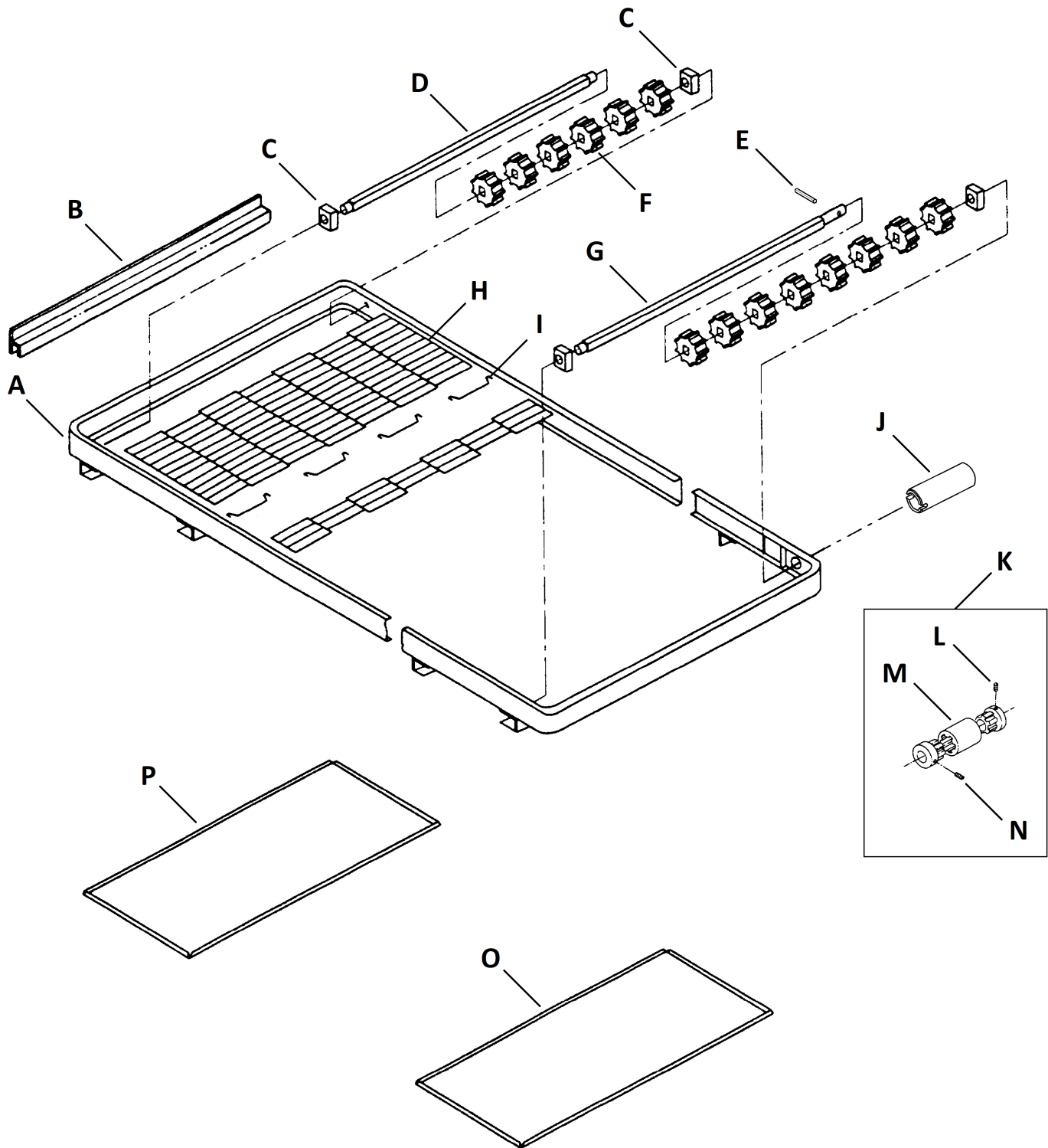
Oven Back Gas and Electric Models



Oven Back Gas and Electric Models

LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A		369182	Fan Assembly (Except 1178-000-U Models)	C
		369725	Fan Assembly (1178-000-U Ovens Only) (LH Control Box)	
B		2017006	Hexagon Bolt (1/4-20 X 3 1/2")	
C		7004305	Fan Shroud	
D		369655	Stand-off	
E		369183 369184	Heating Element, 208V (Except -08H-A Models) Heating Element, 240V (Except -08H-A Models)	C
		370690 370689	Element, 208V (-08H-A Models S/N 10062053641 & Above) Element, 240V (-08H-A Models S/N 10062053641 & Above)	R
F		9002266	Oven Back Assembly (Gas Ovens Only)	
		369549	Oven Back Assembly (Electric Ovens Only) (Except -08H-A)	
G		369581	Motor Mount Assembly	
H		369539 369726	Motor, Main Fan (Gas Ovens 120V) (Except 1178-000-U) Motor, Main Fan (1178-000-U Ovens Only) (LH Control Box)	C
		369181	Motor, Main Fan (Electric Ovens 208/240V)	C
I		369695	Motor Clamp Bracket	
J		369033	Motor Clamp	R
K		369681	Cover, Back	
L		369979	Bracket, High Limit	
M		369227	Clip, Spring	
N		369541	Bracket, Thermocouple Wire Form	

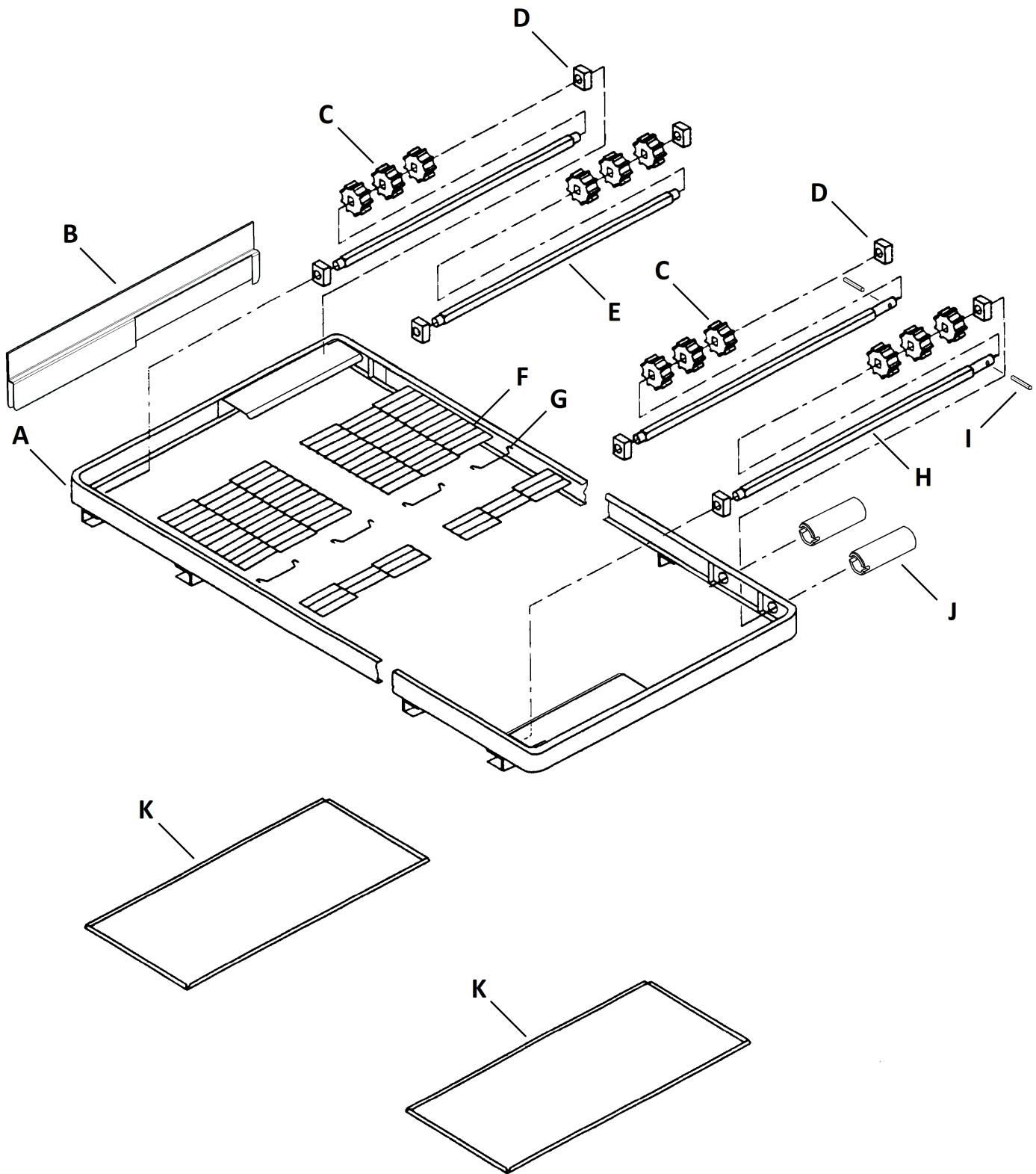
Conveyor – Full Belt Gas and Electric Ovens



Conveyor – Full Belt Gas and Electric Ovens

LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
		369222 370677 371189	Complete Conveyor Assembly (S/N 2052462 & Below) Complete Conveyor Assembly (S/N 2052463 & Above) Complete Conveyor Assembly (-008-U Model Only)	
		371338 1174-CLE	Complete Conveyor Assembly (S/N 2052462 & Below) (K.K.) Complete Conveyor Assembly (S/N 2052463 & Above) (K.K.)	
A		369666	Conveyor Frame Assembly	
B		369226	Pan Stop	
C		369516	Conveyor Bearing	R
D		369514 371533	Idler Shaft, Regular Conveyor Idler Shaft, (-008-U Model Only)	
E		369471	Roll Pin	R
F		369515 370509 369978	Sprocket (W/Set Screw), Regular Conveyor Sprocket, Metal (W/Set Screw), Heavy-Duty Conveyor (.062) Set Screw Only	R
		406000EP 405900EP	Blank Roller (-008-U Model Only) Sprocket (-008-U Model Only)	
G		369238 370678 10004442	Drive Shaft (S/N 2052462 & Below) Drive Shaft (S/N 2052463 & Above) Drive Shaft (-008-U Model Only)	
H		369194 370155 371527	Conveyor Belt, Complete, Regular Conveyor (.050) Conveyor Belt, Complete, Heavy-Duty (.062) Conveyor Belt, Complete, (-008-U Model Only) (.072)	R
		369394 370157	Belt, 1ft. Section, Regular Conveyor (.050) Belt, 1ft. Section, Heavy-Duty (.062)	R
I		369165 370156 371528	Splice Clip, Regular Conveyor (.050) Splice Clip, Heavy-Duty (.062) Splice Clip, (-008-U Model Only) (.072)	R
J		370671	Coupler (S/N 2052463 & above) (Metal W/Spring)	C
K		369190	Coupler (S/N 2052462 & below) (Rubber Inner, Metal Outer)	R
L		370116	Set Screw (S/N 2052462 & Below)	
M		369512	Coupling Center (S/N 2052462 & Below)	R
N		369269	Ball Plunger (S/N 2052462 & Below)	R
O		369223 369223	Crumb Pan, Right (S/N 2045452 & Below) Crumb Pan, Right (S/N 2045453 & Above) (Same as Left)	
P		369224 369223	Crumb Pan, Left (S/N 2045452 & Below) Crumb Pan, Left (S/N 2045453 & Above) (Same as Right)	

Conveyor – Split Belt Gas and Electric Ovens

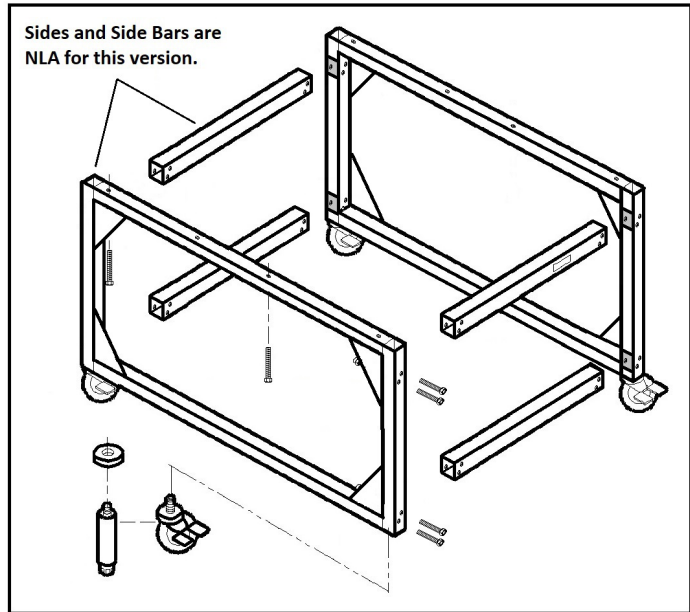
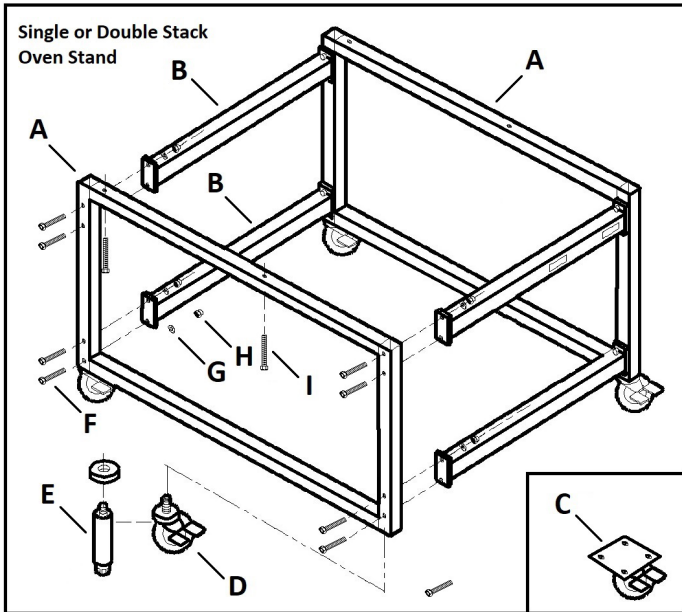


Conveyor – Split Belt Gas and Electric Ovens

LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
		371099	Complete Conveyor Assembly Split Belt	
A			Conveyor Frame Assembly	
B		70001451	Pan Stop	
C		369515	Sprocket (W/Set Screw)	R
		369978	Set Screw Only (For Above Sprocket)	
D		369516	Conveyor Bearing	R
E		369514	Idler Shaft	
F		10004535	Conveyor Belt, Complete	
			Belt, 1ft. Section	
G		369952	Splice Clip	
H		370678	Drive Shaft	
I		369471	Roll Pin	R
J		370671	Coupler (Metal W/Spring)	C
K		369223	Crumb Pan, Left and Right	

Oven Stand

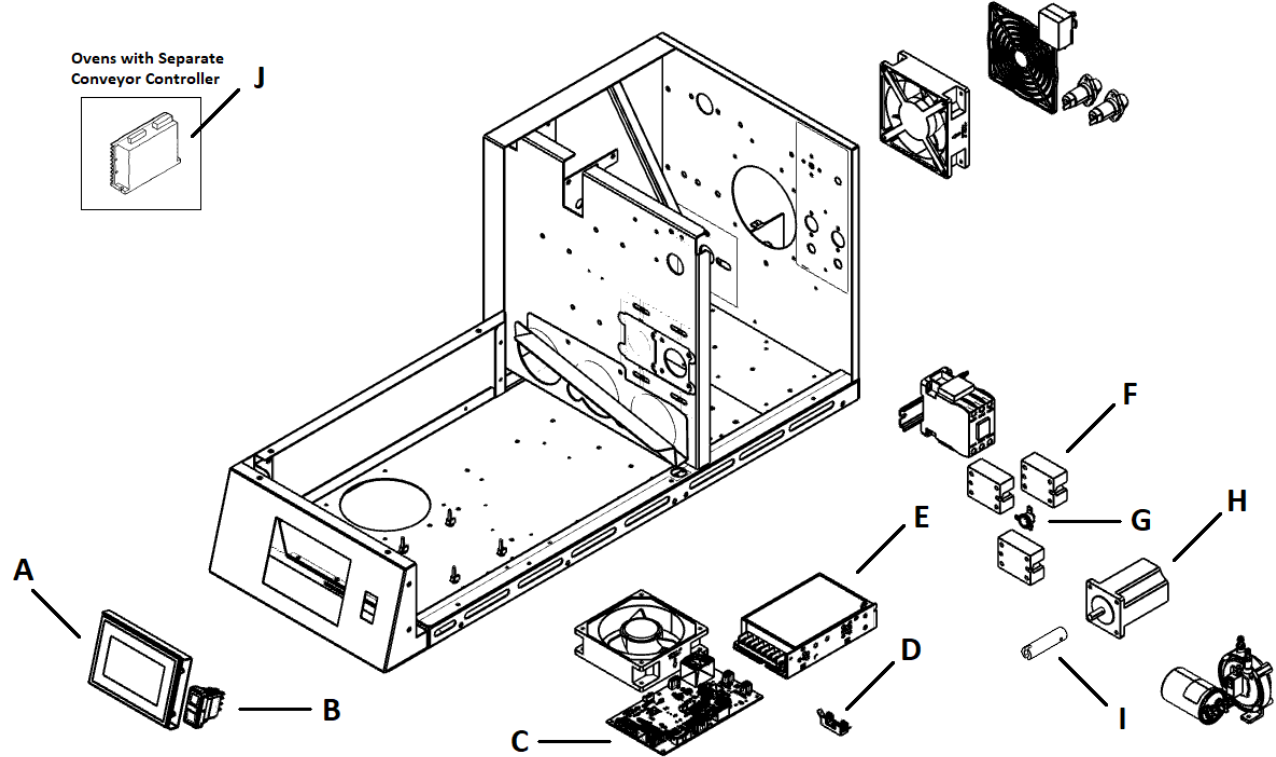
Gas and Electric Ovens



LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A		9002507	Stand Side	
B		370412	Cross Support (with Welded Plate)	
C		369390	Caster, 4" with Mounting Plate (Used on Triple Stack Oven Base Only)	
D		369231	Caster, 4" Stem Mount	
E		369232	Adjustable Leg, Stem Mount	
F		369234	Hexagon Bolt (1/4-20 X 2") (Fastens Cross Support to Side)	
G		369096	Washer (1/4 X 1/2 X 1/16)	
H		2133001	Acorn Nut (1/4-20)	
I		369233	Hexagon Bolt (1/4-20 X 2 1/2") (Fastens Oven to Stand)	

4.3" Touchscreen Control (Starting at S/N 2104100102813)

Unique Parts Only



LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A		CK4607662	U/I Display, 4.3"	C
B		CK4607663	Switch, On/Off	C
C		4604947	I/O Controller	C
D		4606033 2320700	Fuse, 4A Fuse Holder, 20A 600V 1/4 X 1 1/4	C
E		4604751	24VDC Power Supply	R
F		4605506	SSR, 50A	C
G		4606389	High Limit, Control Box	C
H		4607043	Conveyor Motor, Stepper (Includes Drive Coupling)	C
I		4605555	Coupling, Conveyor Drive	
J		4606821	Drive Control, Conveyor Motor (Only if Previously Installed)	R
Not Shown		4606341	Thermocouple, Type K	C

Miscellaneous Items Gas and Electric Ovens

LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
		369668	Label, Caution Hot	
		371417	Conversion Kit, Mercury to SSR (Electric Ovens)	
		370129	Conversion Kit, 208V to 240V (Electric Ovens)	
		370130	Conversion Kit, 240V to 208V (Electric Ovens)	
		369874	Conversion Kit, NAT to LP (Gas Ovens)	
		369875	Conversion Kit, LP to NAT (Gas Ovens)	

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