

Impinger Low Profile – Advantage Digital Series (Gas) International 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
		1631-00z-E-Kxxxx
		1632-00z-E-Kxxxx
1633-000-EA	→	1633-00z-E-Kxxxx
1633-050-EA	→	1633-05z-E-Kxxxx
1634-000-EA	→	1634-00z-E-Kxxxx
1634-050-EA	→	1634-05z-E-Kxxxx
		1636-H01-E-Kxxx
		1636-H51-E-Kxxx



Original Document

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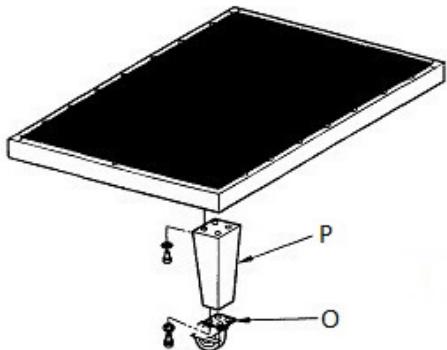
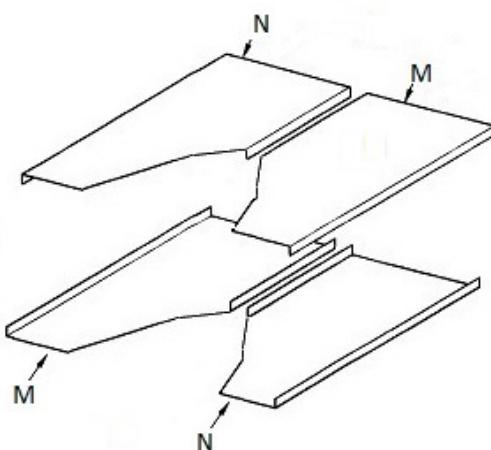
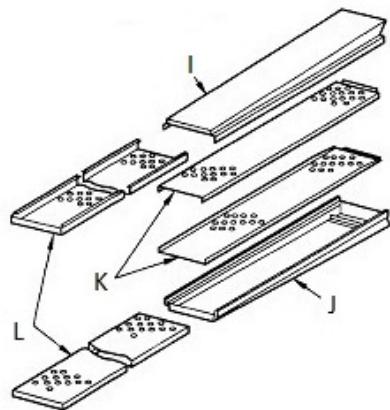
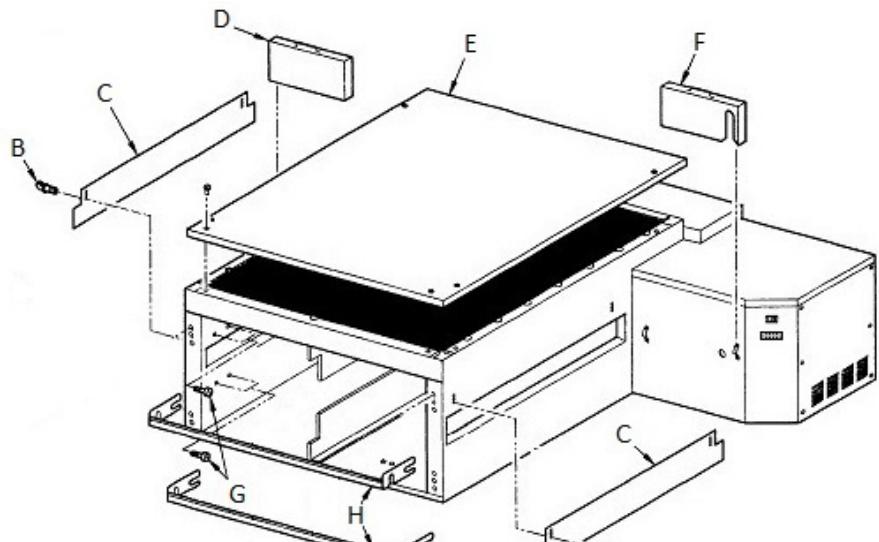
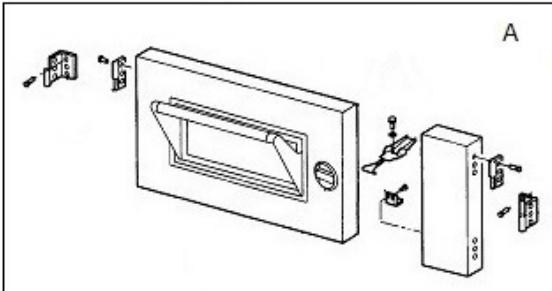
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General

(-000-) (-050-) (-H01-) (-H51-)

See "Oven Doors" Page #6



General

(-000-) (-050-) (-H01-) (-H51-)

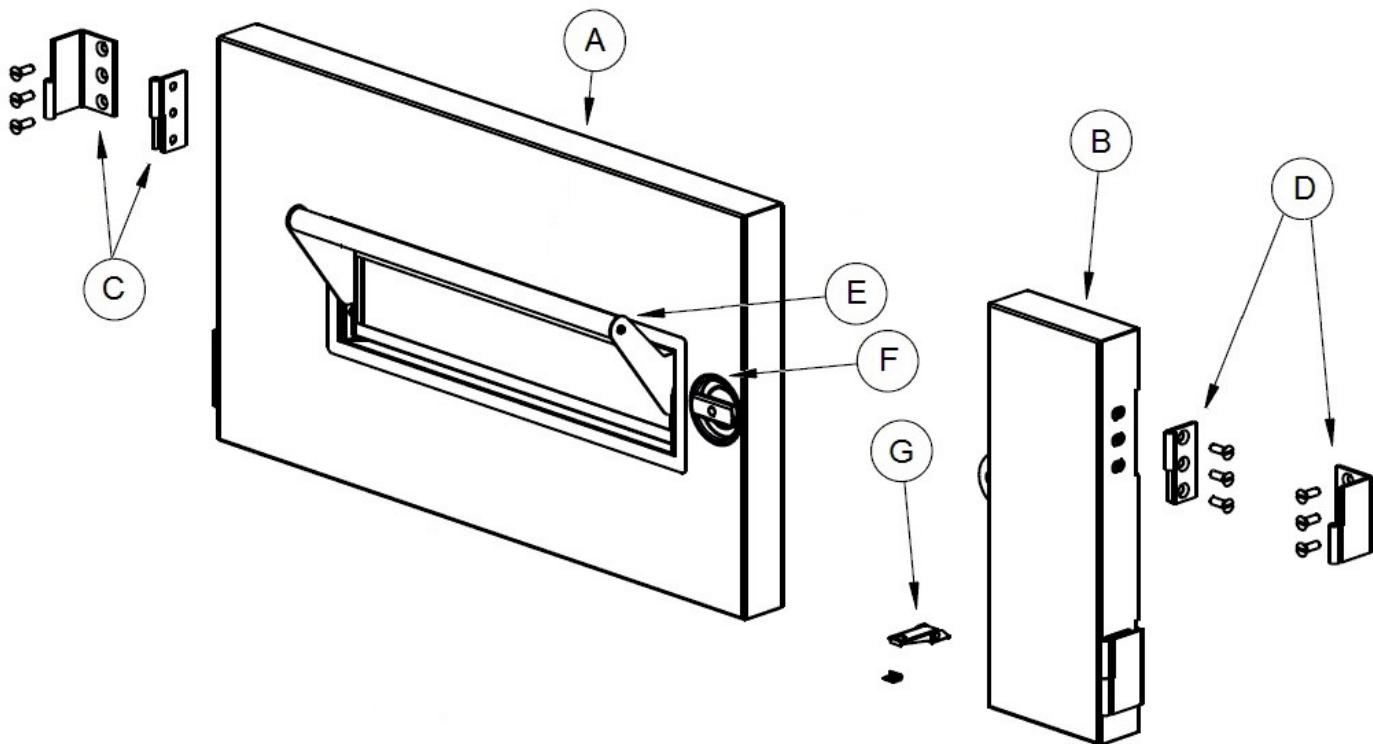
LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A			See "OVEN DOORS" in this manual – Page 6	
B		369211	Thumb Screw	
C		369058	Baffle	
D		370253	Drive Cover, L.H.	
E		1609	Oven Top	
F		370252	Drive Cover, R.H.	
G		369057	Screw & Spacers, Finger Retaining Bracket	
H		369717	Finger Retaining Bracket	
I		370665*** 371059	Finger Housing T1, T3, B2, B4 (S/N L35950 & below) Finger Housing T1, T3, B2, B4 (S/N L35951 & above)	
J		370664*** 371058	Finger housing T2, T4, B1, B3 (S/N L35950 & below) Finger housing T2, T4, B1, B3 (S/N L35951 & above)	
K			Columnating Plates (Refer to the Installation Operation Manual for part numbers)	
L		369707	Finger Cover, Standard	
M		370166 370662**	Baffle, Air Return U.R. L.L. (S/N L35950 & below) Baffle, Air Return U.R. (S/N L35951 & above)	
N		370167 370663**	Baffle, Air Return U.L. L.R. (S/N L35950 & below) Baffle, Air Return U.L. (S/N L35951 & above)	
O		369030 369390	Caster, High Stand Caster, Low Stand	
P		369328	Leg	
Not Shown		369081	Valve, Gas Shut-Off	
Not Shown		370651	Control Box Baffle	
Not Shown		371543	Heat Shield (Korean Model) (used in place of side Baffle)	

** Units from S/N 35951 and above DO NOT contain lower Air Return Baffles. These units only contain a total of two (2) Air Return Baffles which are placed above the top finger assemblies.

*** These parts have minor design changes not shown in the exploded view drawing.

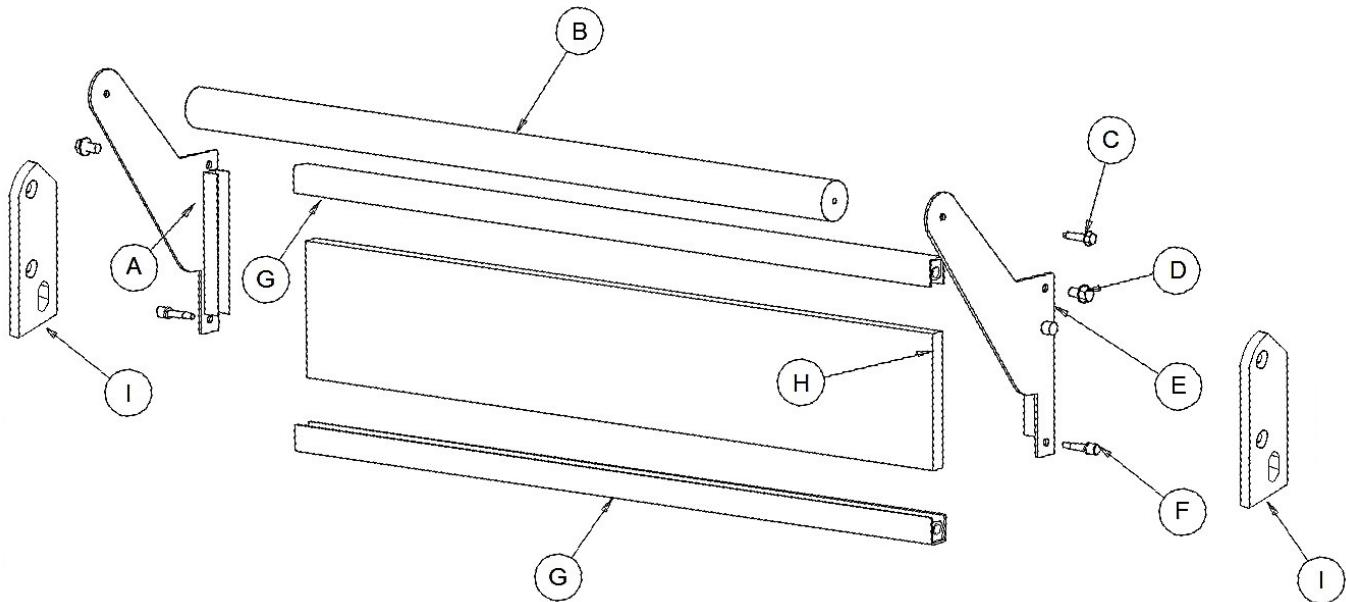
Oven Doors

(-000-) (-050-) (-H01-) (-H51-)



LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A		369718	Door Assembly W/Window, Large	
B		369723	Door Assembly, Small	
C		369746	Hinge Assembly, Left	
D		369745	Hinge Assembly, Right	
E		369110	Access Door Assembly	
F		369740	Handle Assembly	
G		369501 369783	Door Latch Door Catch	
Not Lettered		370723 369925	Glass 3.375"x19.80" (S/N 0908210000875 & above) Glass 3.8"x19.80" Old Style	

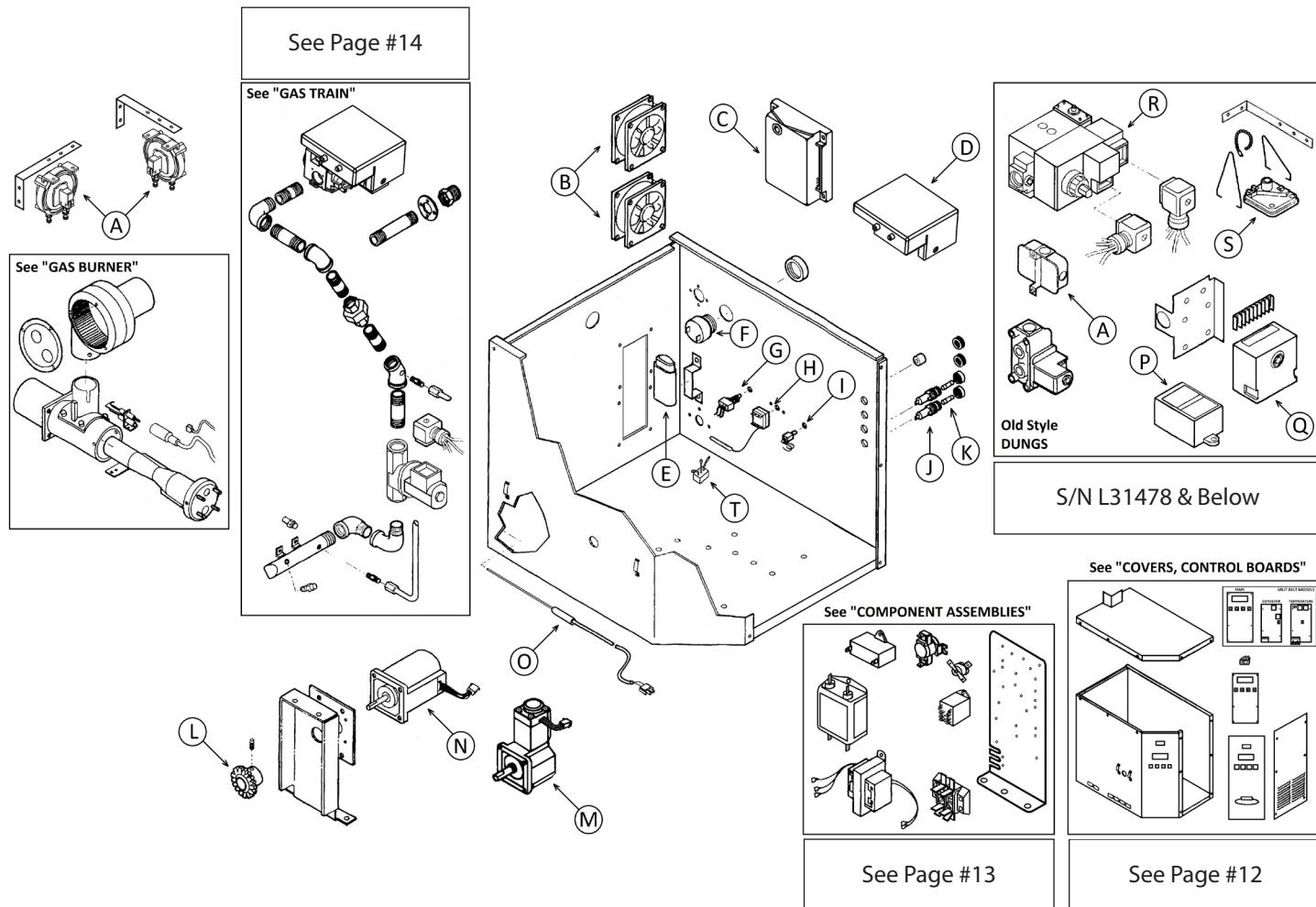
Access Door, Stainless Steel
All Models (SN 0908210000875 & ABOVE)



LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
		369110	Access Door Assembly	
A		371140	Bracket Assembly, Left	
B		371142	Dowel, Access Door	
C		370722	Screw	
D		371143	8-32 x 3/8 Hx Serrated Flange	
E		371141	Bracket Assembly, Right	
F		370725	Dowel Thread	
G		371144	Access Door Frame (top or bottom)	
H		370723	Glass 3.375" x 19.80"	
I		369929	Window Retainer	
Not Shown		369931	Retainer Screw	

Control Box, Right

(-000-) (-050-) (-H01-) (-H51-)



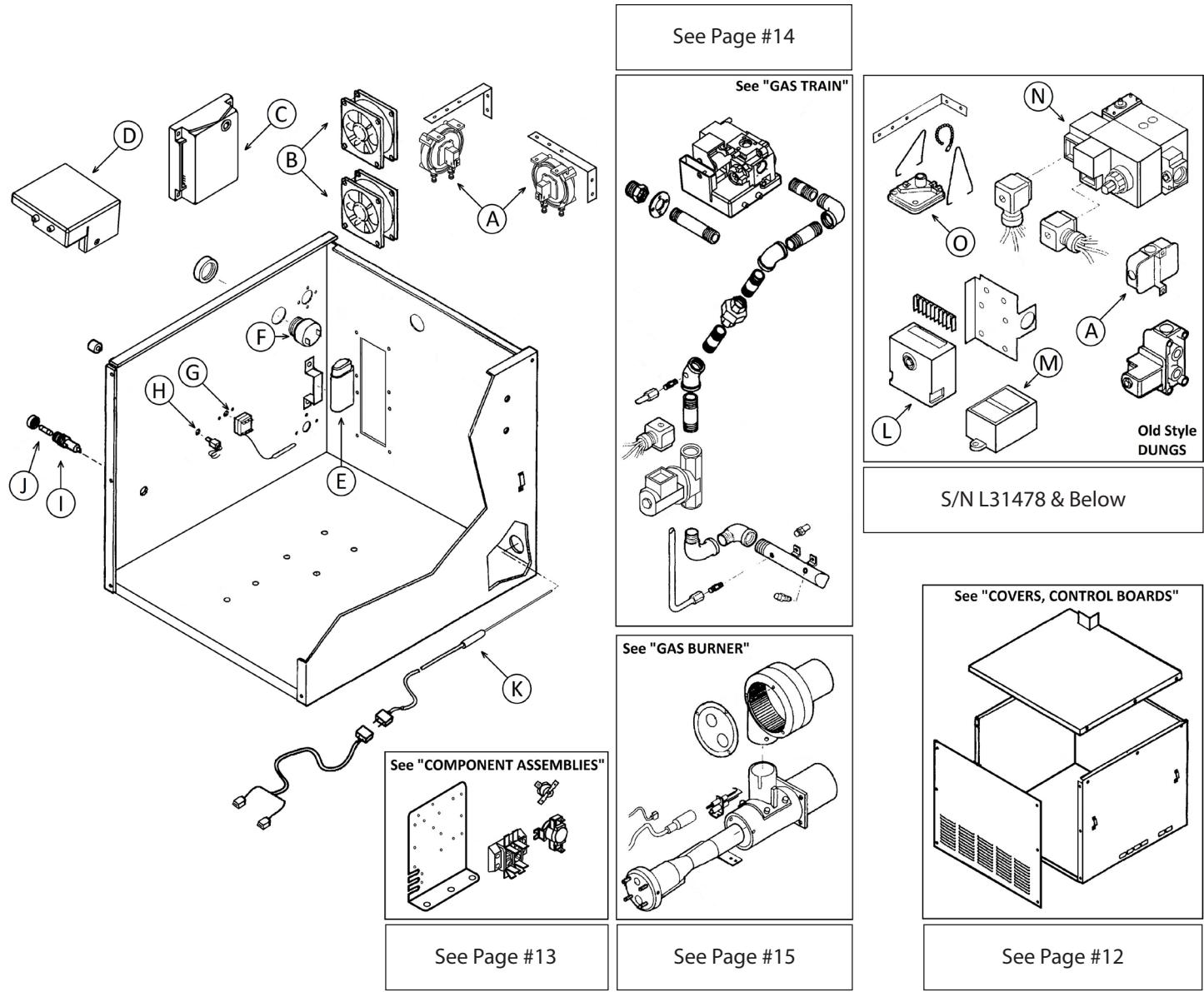
Control Box, Right

(-000-) (-050-) (-H01-) (-H51-)

LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A		370673	Air Pressure Switch, Blower (All Serial Numbers) Air Pressure Switch, Burner (S/N L31479 & Above)	
B		369378	Cooling Fan	
C		4604018	Ignition Module, Techrite (S/N 1803100100611 & Above)	
D		370401	Ignition Module, Honeywell (S/N L31479 to 1803100100610)	
E *E		369192 11010005779	Capacitor, 7.5µF 90C (All Models) *Capacitor, 10.F 90C (1631, 1632 with S/N 1809100183245 & Below Only)	
F		369579	Burner Alarm	
G		370359	Reversing Switch, Conveyor	
H *H		369368 11010005813	High Limit Thermostat 660F, Oven Cavity High Limit Thermostat 698F, Oven Cavity (1631, 1632 Only)	
I		369771	Reset Switch, Burner	
J		357107	Fuse Holder	
K		369013 369014	Fuse, 3A Fuse, 10A	
L		369158 370987	Sprocket, 10T #35 (S/N 10072100010963 & Below) Sprocket, 15T, #25 (S/N 10072100010964 & Above)	
M		370361	Conveyor Motor (S/N 10072100010963 & Below)	
N		371209	Conveyor Motor (S/N 10072100010964 & Above)	
O		370357 4604570	Thermocouple, Type K (1633, 1634, 1636 Only) Thermocouple, Type K (1631, 1632 Only)	
P		369574	Spark Generator (S/N L31478 & Below) (Dungs)	
Q		369573	Ignition Control (S/N L31478 & Below) (Dungs)	
R		369580	Gas Valve (S/N L31478 & Below) (Dungs)	
S		369575	Pressure Switch, Burner (S/N L31478 & Below) (Dungs)	
T		370184	RFI Filter	
Not Shown		370117	Terminal Block 5 Pole	

Control Box, Left

(-000-) (-050-) (-H01-) (-H51-)



Control Box, Left

(-000-) (-050-) (-H01-) (-H51-)

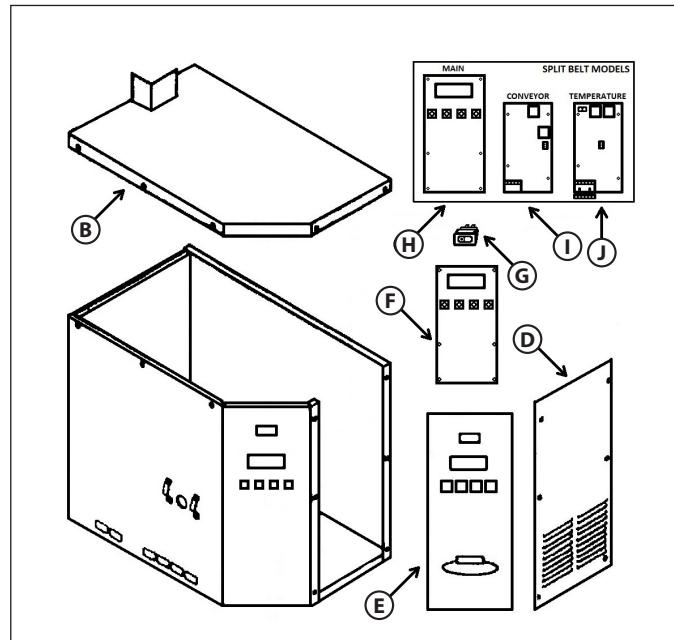
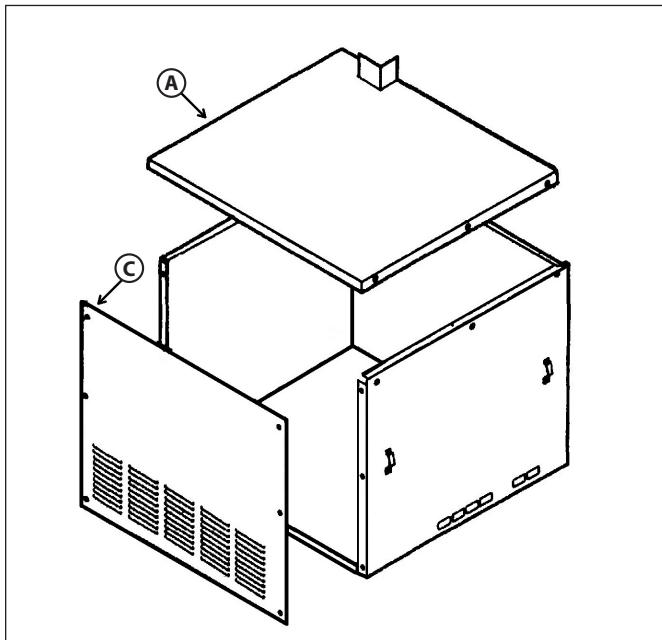
LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A		370673	Air Pressure Switch, Blower (All Serial Numbers) Air Pressure Switch, Burner (S/N L31479 & Above)	
B		369378	Cooling Fan	
C		4604018	Ignition Module, Techrite (S/N 1803100100611 & Above)	
D		370401	Ignition Module, Honeywell (S/N L31479 to 1803100100610)	
E *E		369192 11010005779	Capacitor, 7.5µF 90C (All Models) *Capacitor, 10.F 90C (1631, 1632 with S/N 1809100183245 & Below Only)	
F		369579	Burner Alarm	
G *G		369368 11010005813	High Limit Thermostat 660F, Oven Cavity High Limit Thermostat 698F, Oven Cavity (1631, 1632 Only)	
H		369771	Reset Switch, Burner	
I		357107	Fuse Holder	
J		369014	Fuse, 10A	
K		370358 4604571	Thermocouple, (W/Extension) (1633, 1634, 1636 Only) Thermocouple, (W/Extension) (1631, 1632 Only)	
L		369574	Spark Generator (S/N L31478 & Below) (Dungs)	
M		369573	Ignition Control (S/N L31478 & Below) (Dungs)	
N		369580	Gas Valve (S/N L31478 & Below) (Dungs)	
O		369575	Pressure Switch, Burner (S/N L31478 & Below) (Dungs)	

Covers, Control Boards

(-000-) (-050-) (-H01-) (-H51-)

Left Side Covers

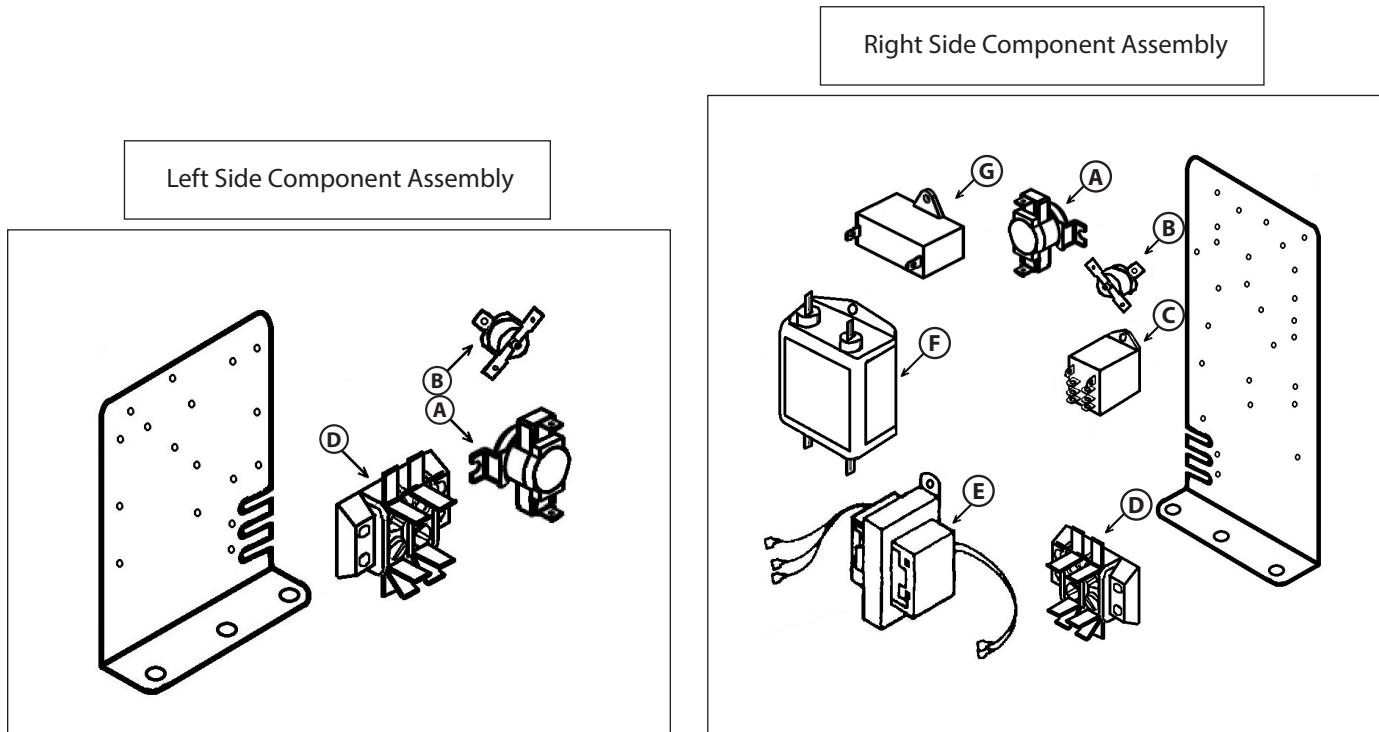
Right Side Covers & Controls



LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A		370250	Control Box Top, L.H.	
B		370251	Control Box Top, R.H.	
C		370272	Side Panel, L.H.	
D		370256	Side Panel, R.H.	
E *E		370354 11020000496	Push Button Facia, Label *Push Button Facia, Label (with Presets 1,2,3,4)	
F *F		11010005990 11010005775	Oven Controller (Full Belt Only) (-000-) (1633, 1634, 1636,) (Delay & Presets) *Oven Controller (Full Belt Only) (-H01-) (1631, 1632) (Presets)	
G		369432	On/Off Switch	
H		371196	Oven Controller, Main (Split Belt Only) (-050-) (-H51-)	
I		371195	Conveyor Controller (Split Belt Only) (-050-) (-H51-)	
J		371544	Temperature Controller (Split Belt Only) (-050-) (-H51-)	

Component Assemblies

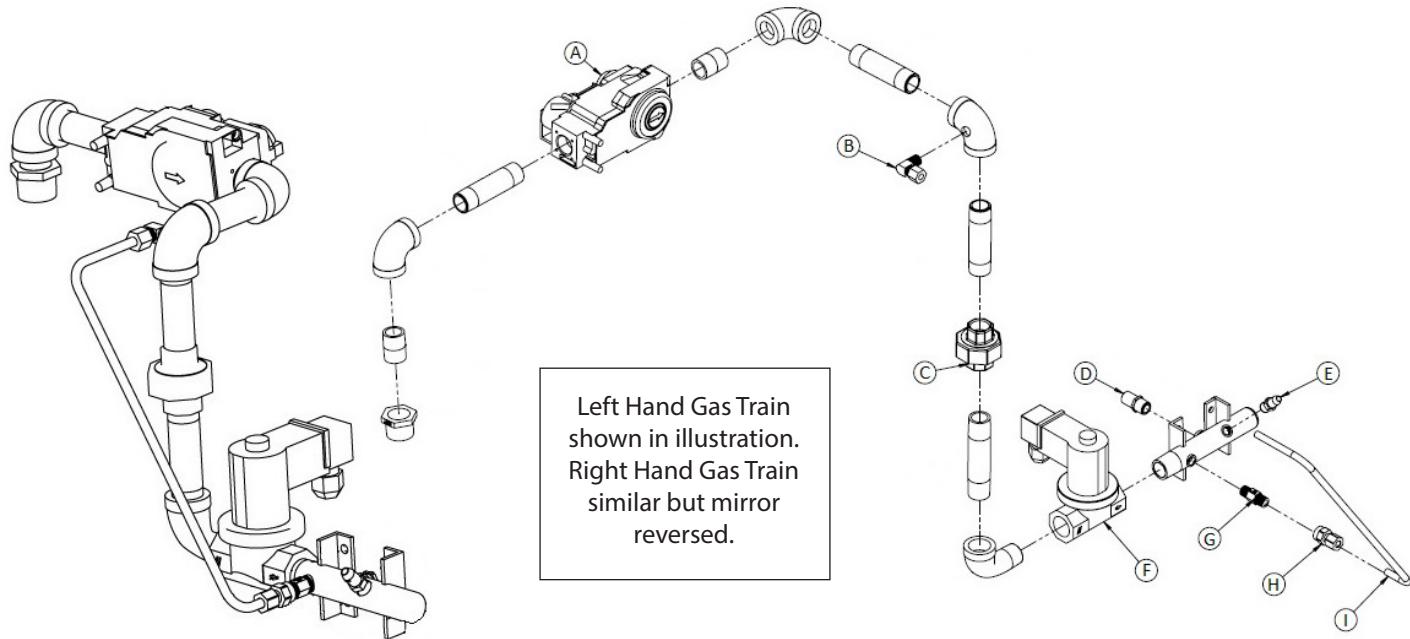
(-000-) (-050-) (-H01-) (-H51-)



LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A		369507	Thermostat, Cooling Fan	
B		369431	Thermostat, Control Box Hi-Limit	
C		369422	Relay	
D		369125	Terminal Block 2 Pole	
E		370241	Transformer, Control (24 VAC)	
F		370387	Filter, EMI	
G		370360 371207	Capacitor, Conv. Mtr. (S/N 10072100010963 & Below) Capacitor, Conv. Mtr. (S/N 10072100010964 & Above)	

Gas Train

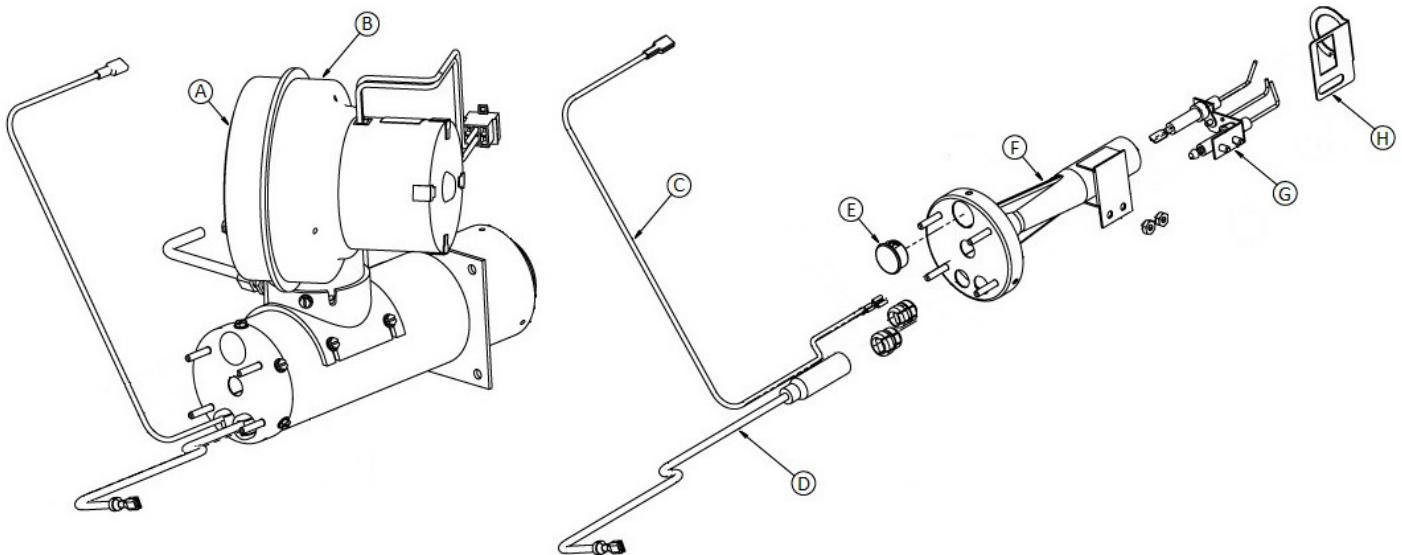
(-000-) (-050-) (-H01-) (-H51-)



LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
*A		369580	*Gas Valve, Dungs (S/N L31478 & below) (Dungs)	
A		370400	Gas Valve, (S/N L31479 & above) (Honeywell) (Techrite)	
B		369972	Elbow, Male 1/4" tube 1/8" NPT	
C		369564	Union, 1/2" x 1/2"	
D		369757 369758	NAT Main Orifice, .136" / 3.45mm LP Main Orifice, .0860" / 2.18mm	
*D		11010005743 11010005745	*NAT Main Orifice, .142" / 3.607mm (1631, 1632 Only) *LP Main Orifice, .0866" / 2.20mm (1631, 1632 Only)	
E		369689	Pressure Tap Fitting	
F		370186	Valve, Solenoid 220V	
G		370031 369557	NAT Bypass Orifice, .061" / 1.55mm LP Bypass Orifice, .0374" / .95mm	
H		369577	Connector, Female 1/4" tube 1/8" NPT	
I		369973	Bypass Tube, 1/4" tube	

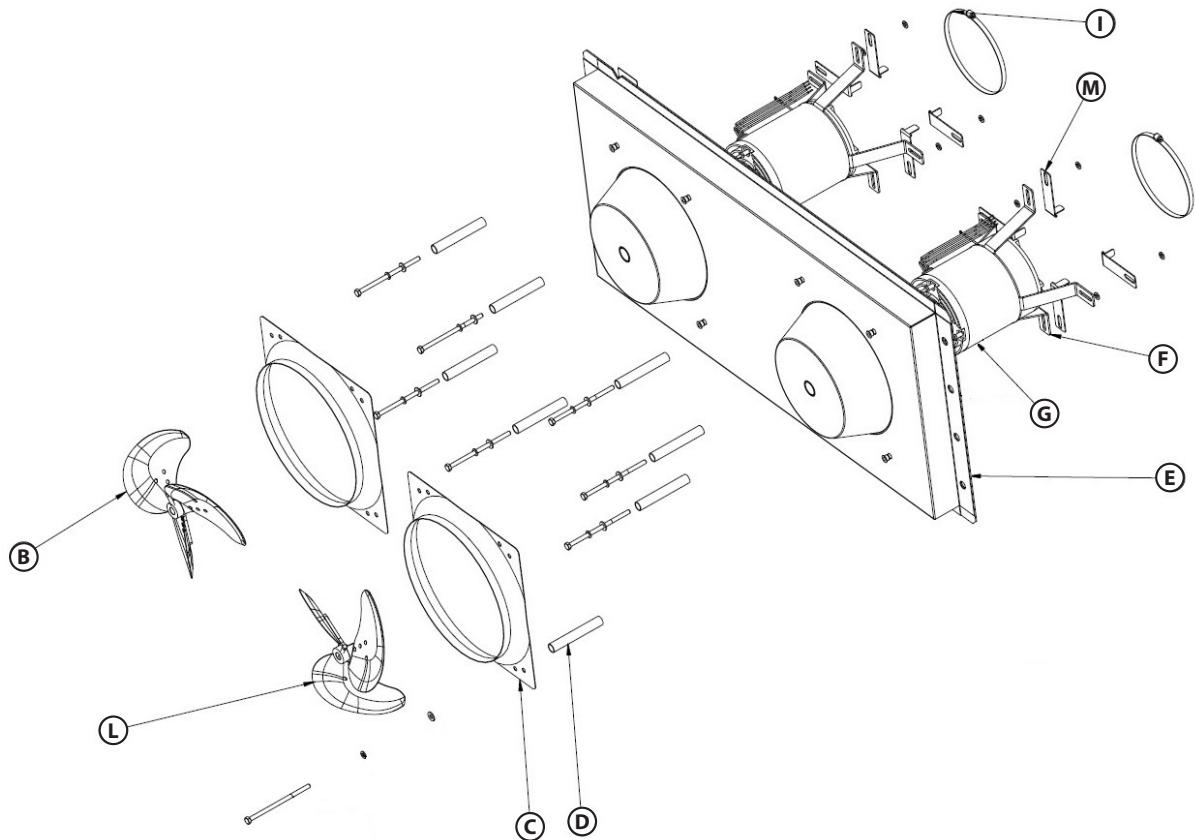
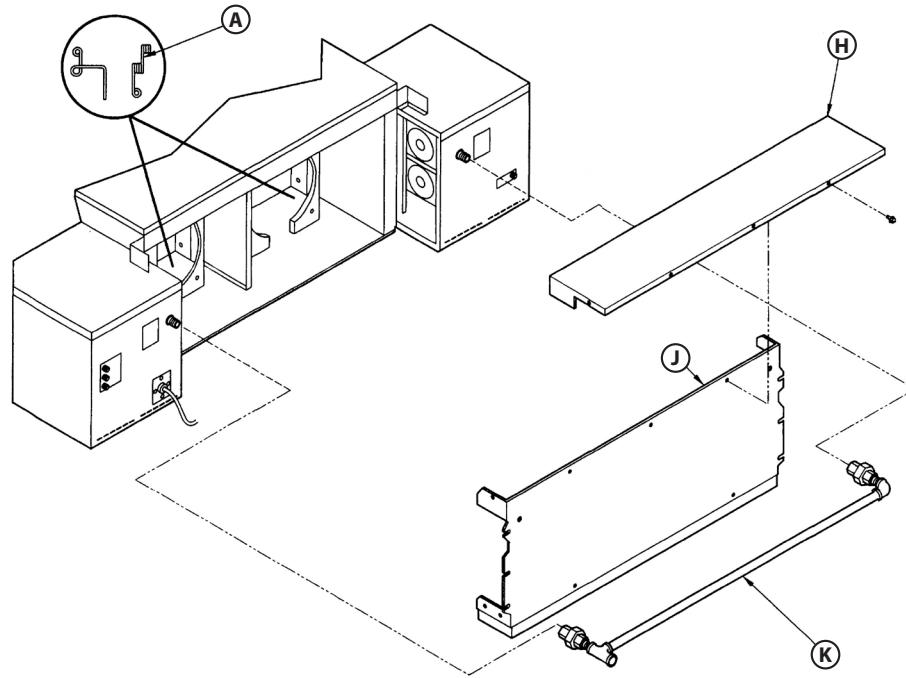
Gas Burner

(-000-) (-050-) (-H01-) (-H51-)



LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A *A		369401 11010005747	Air Shutter Assembly *Air Shutter Assembly (Pie Shaped) (1631, 1632 Only)	
B		369589	Burner Blower Motor	
C		4071207	TWLA Flame Sensor Cable	
D		369656 370398	Ignitor Cable (S/N L31478 & Below) (Dungs) Ignitor Cable (S/N L31479 & Above) (Honeywell)	
*D		11010005771	5mm Ignitor Cable Assembly *(for Techrite Ignition)	
E		390131	Site Glass	
F		369937 369773	Venturi, NAT (for Honeywell Ignition) Venturi, LP (for Honeywell Ignition)	
*F		369654 369939	Venturi Spark, NAT *(for Techrite Ignition) Venturi Spark, LP *(for Techrite Ignition)	
G		369590	Ignitor Assembly (S/N L31478 & Below) (Dungs)	
G		370397	Ignitor Assembly (S/N L31479 & Above) (Honeywell) (Techrite) (1633, 1634, 1636 Only)	
*G		4603797	*Spark Ignitor Assembly (1631, 1632 Only)	
H		4603783	Ring Bracket	

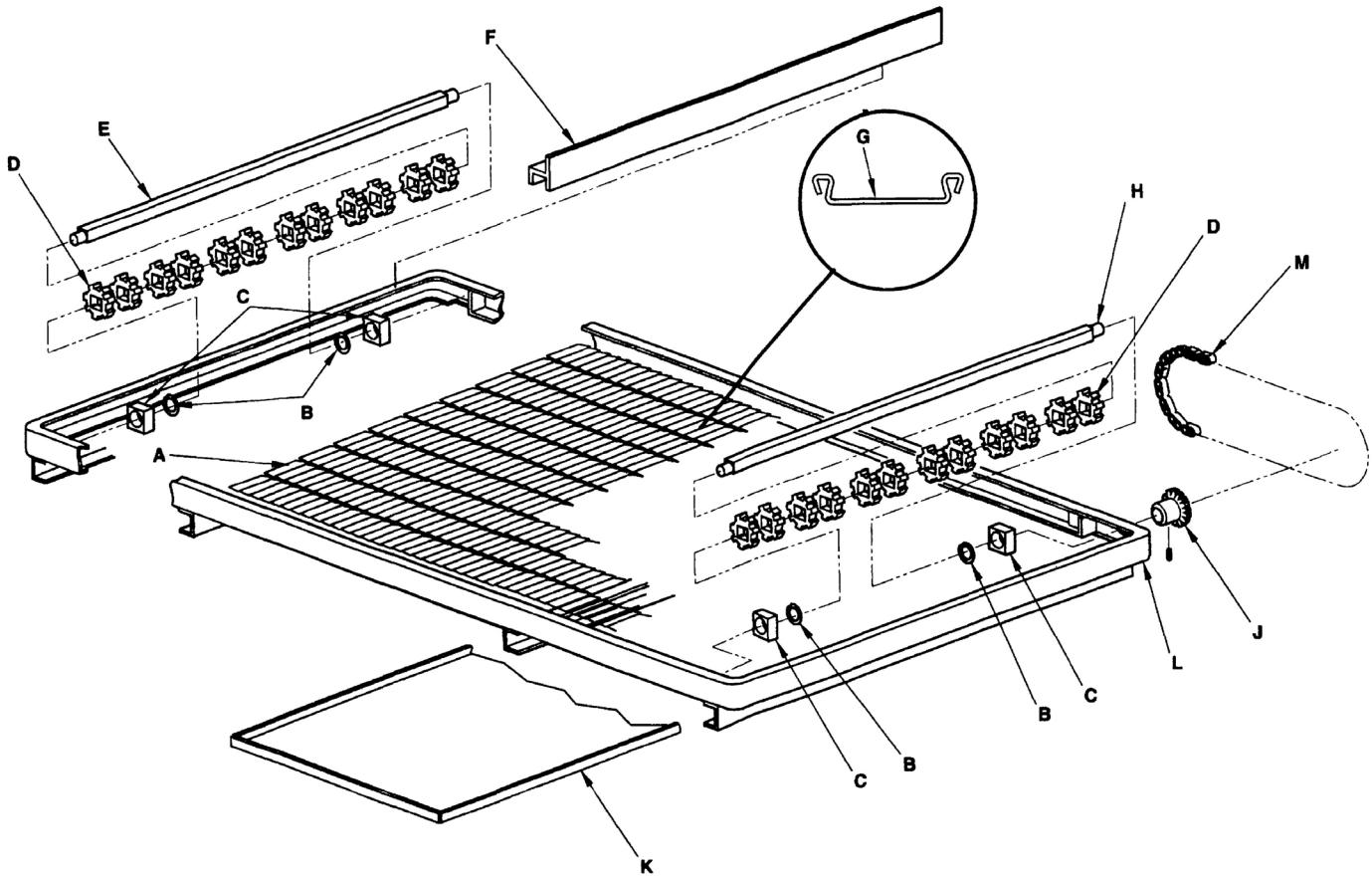
Oven Back (-000-) (-050-) (-H01-) (-H51-)



Oven Back
(-000-) (-050-) (-H01-) (-H51-)

LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A		369547	Wire Form Thermostat Bulb	
B		369725	Fan, Counterclockwise Rotation CCW	
C		369776	Fan Shroud	
D		369655	Stand-off	
E		369778	Rear Wall Assembly	
F		369581	Motor Support Assembly	
G		369759	Motor, Main Fan 220/240V 50 Hz. (All Models)	
*G		11010005778	*Motor, Main Fan 115/230V 50/60 Hz. (1631, 1632 with S/N 1809100183245 & Below Only)	
H		1627	Duct Cap	
I		369033	Motor Clamp	
J		370245	Rear Duct	
K		370246	Manifold Assembly	
L		369724	Fan, Clockwise Rotation CW	
M		369695	Bracket, Motor Strap	

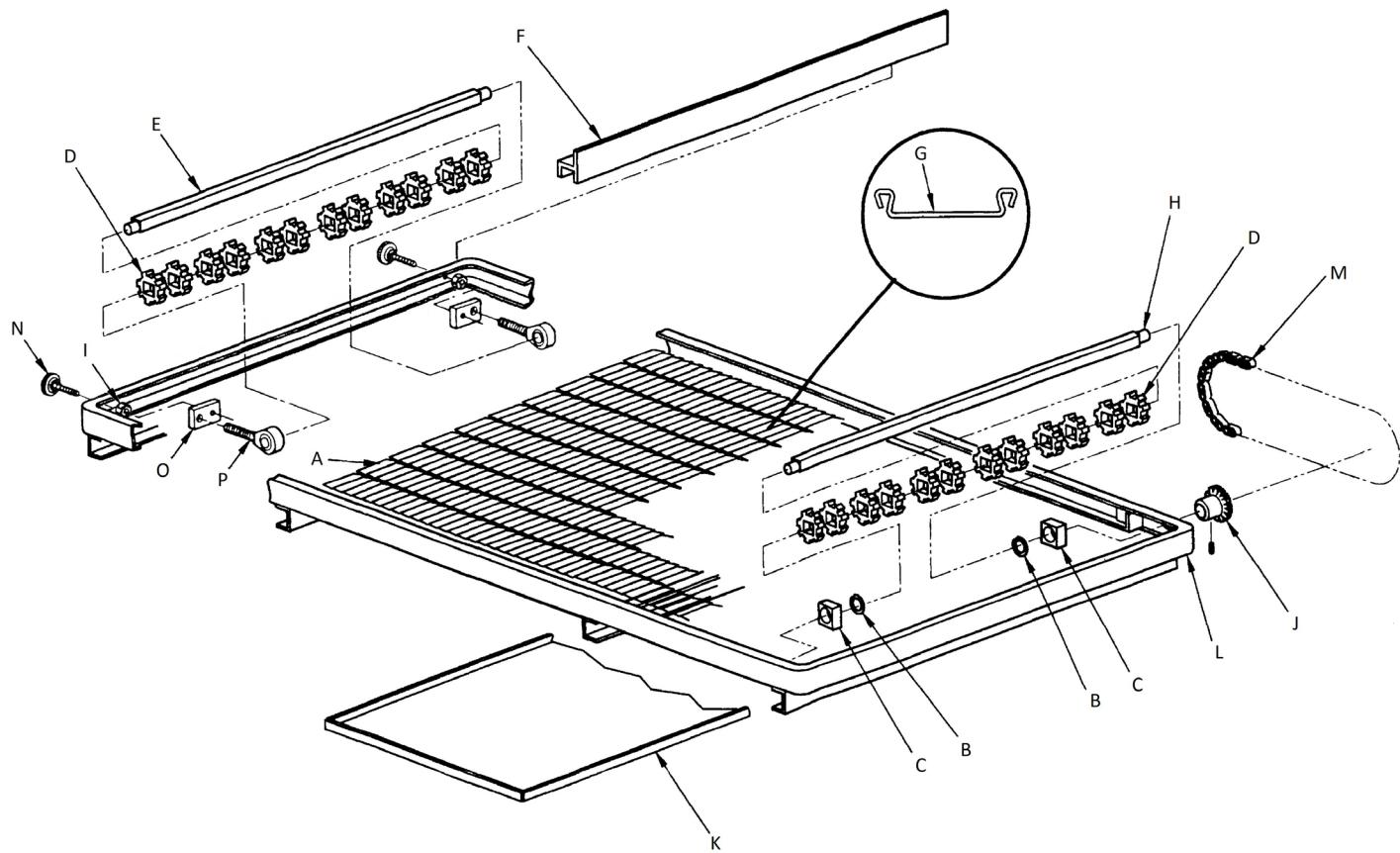
Conveyor - Full Belt - Non-Adjustable (-000-)



Conveyor - Full Belt - Non-Adjustable (-000-)

LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
		369830	Complete conveyor	
A		369816 369163	Conveyor belt, complete (30" wide belt) Conveyor belt, complete (32" wide belt)	
*A		370092 369362	*Belt, 1ft. section (30" wide belt) *Belt, 1ft. section (32" wide belt)	
B		369825	Retaining ring	
C		369813	Conveyor bearing block	
D		369314	Roll, conveyor, notched	
E		369812	Conveyor idler shaft	
F		369160	Conveyor pan stop	
G		369814 369005	Connecting link (30" wide belt) Connecting link (32" wide belt)	
H		369811	Conveyor drive shaft	
J		369161 371204	Roller chain sprocket #35 S/N1007210001096 & Below Roller chain sprocket #25 S/N1007210001097 & Above	
*J		369413	*Drive Key	
K		369806	Crumb pan	
L		370050	Conveyor frame	
M		370247 371208	Drive chain #35 S/N1007210001096 & Below Drive chain #25 S/N1007210001097 & Above	

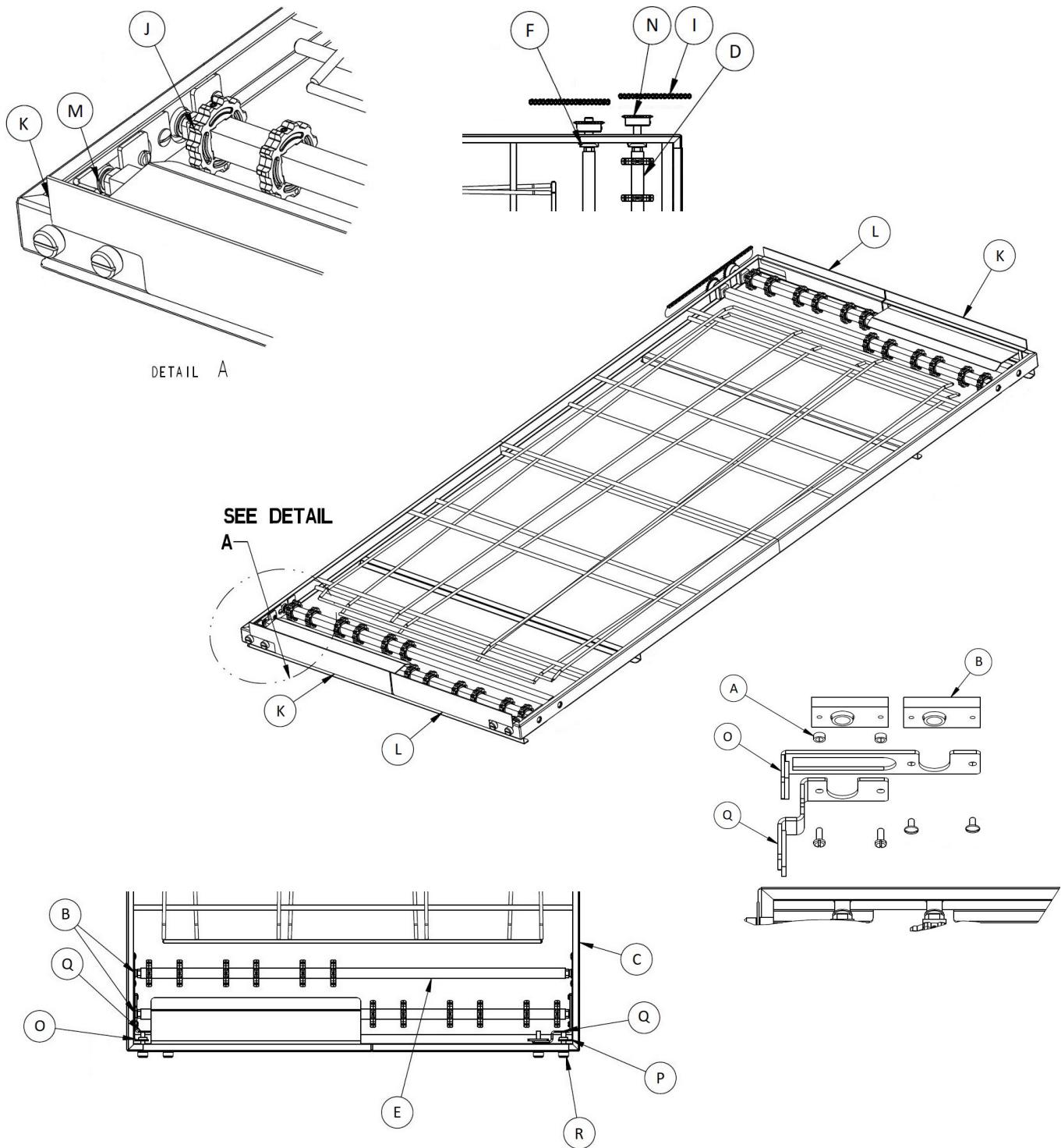
Conveyor - Full Belt - Adjustable (-H01-)



Conveyor - Full Belt - Adjustable (-H01-)

LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
		369117	Complete Conveyor Assembly	
A		369163	Conveyor belt, complete (32" wide belt)	
*A		369362	*Belt, 1ft. section (32" wide belt)	
B		369825	Retaining Ring Ext	
C		369813	Conveyor Bearing Block	
D		369314	Roller - Notched	
E		369812	Shaft, Idler	
F		369160	Conveyor Pan Stop	
G		369005	Conveyor Belt Connecting Links	
H		369811	Drive Shaft	
I		371502	Jam Nut	
J		371204	Roller Chain Sprocket #25	
*J		369413	*Drive Key	
K		369806	Crumb Pan	
L		9002011	Conveyor Frame Assembly	
M		371208	Drive Chain #25	
N		369002	Tension Knob, Conveyor	
O		369641	Idle Bearing Bracket	
P		369220	Rod End, Male	

Conveyor - Split Belt - Adjustable (-050-) (-H51-)



Conveyor - Split Belt - Adjustable (-050-) (-H51-)

LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
		369517	Complete Conveyor Assembly	
A		70001344	Spacer, SB	
B		390145	Assembly, Conveyor Bushing	
C		371518	Assembly, Conveyor Frame	
D		369811	Assembly, Drive Shaft	
E		369812	Assembly, Idle Shaft	
F		369813	Bearing Block	
G		369273	Conveyor Belt with Clips	
H		369005	Connecting Link	
I		371208	Drive Chain #25	
J		369314	Drive Sprocket with Screw	
K		371521	Pan Stop	
L		371496	Pan Stop, SB Entry	
M		369825	Retaining Ring	
N		371204	Roller Chain Sprocket #25	
O		S90000633	Tensioner RH Assembly	
P		S90000634	Tensioner LH Assembly	
Q		371202	Tensioner Assembly	
R		10004242	Screw, Thumb	

Miscellaneous Items

(-000-) (-050-) (-H01-) (-H51-)

LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
		369668	Label, Caution Hot	
		370016	Impinger Nameplate	
		369865	Tube, Air Switch, SI 3/16X3/8X332	
		371218	Beaded Ferrule	
		370309	Conversion Kit, NAT to LP	
		370310	Conversion Kit, LP to NAT	
		FK11090003530	Conversion Kit, Honeywell Module to Techrite Module	
		11010005861	Harness, Main LH (H01, H51)	
		11010005862	Harness, Main RH (H01)	
		4604219	Harness, Main RH (H51)	
		4604218	Harness, Conveyor RH (H51)	
		11010005839	Harness, Ignition Control LH (H01, H51)	
		11010005838	Harness, Ignition Control RH (H01, H51)	
		11010005852	Harness, Techrite Module to Honeywell Valve (H01, H51)	

Notes

Notes

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