

# Digital Countertop Series 2500

## Domestic and International Models

### Parts Manual

Models:

2501, 2502, 2504, 2505, 2508, 2509, 2510, 2512, 2514 Voltage Specific Models

2500 Dual Voltage Model



Original Document

Document #: LIN\_EO\_P\_DIGCT\_S2500\_DOM&INTL\_4605891 - 11/20

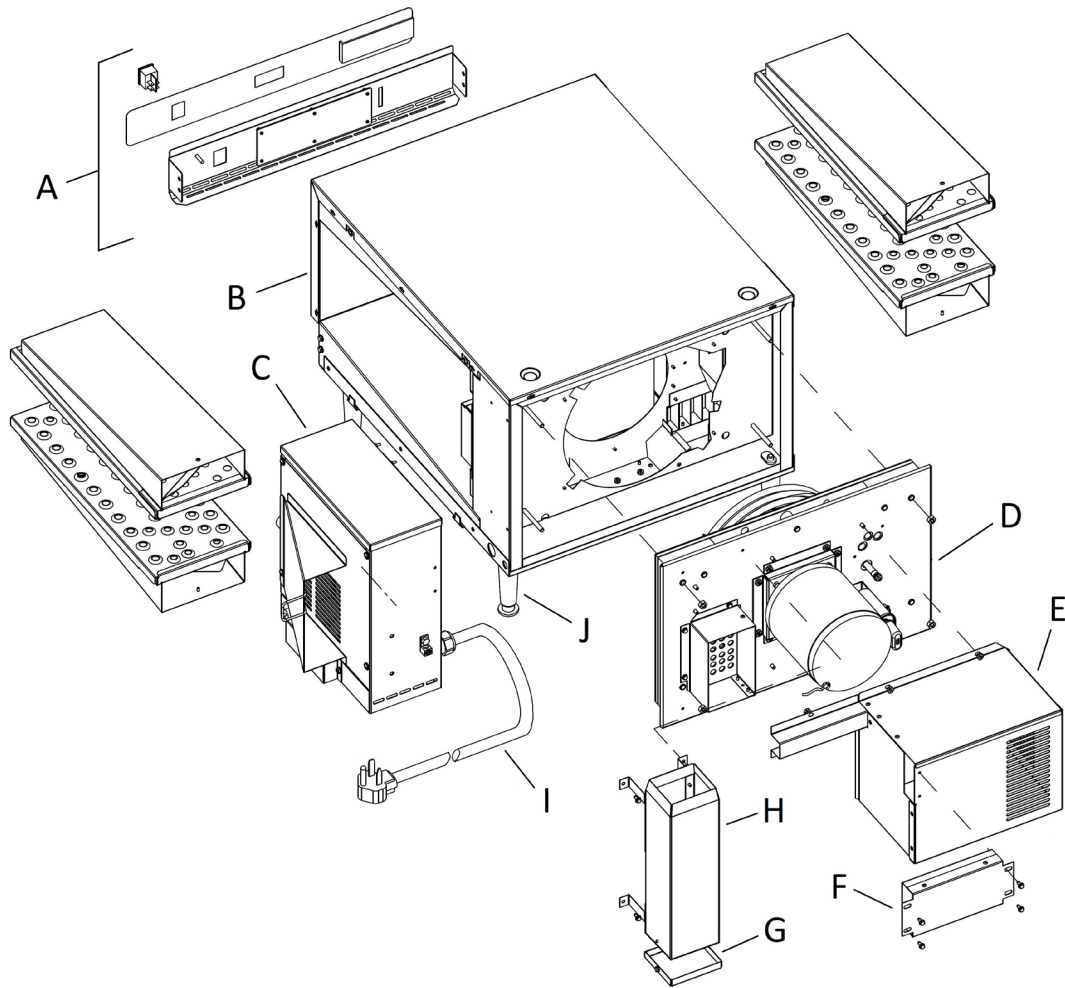








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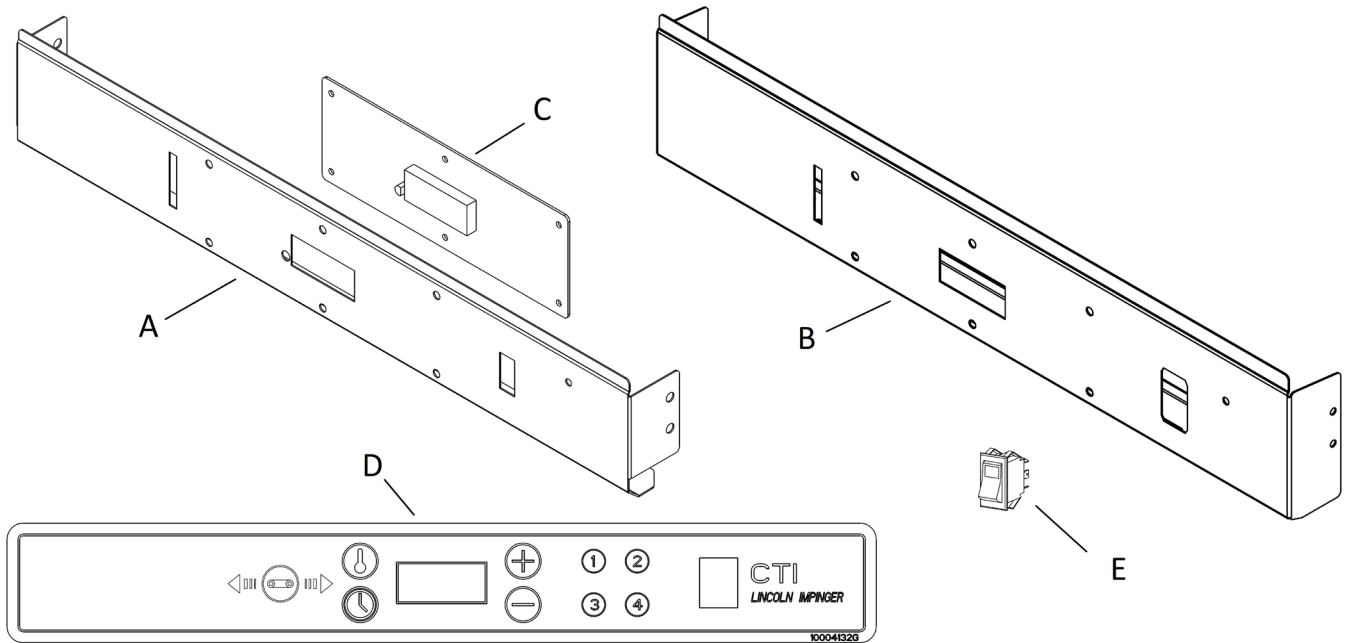
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## General View – All Models



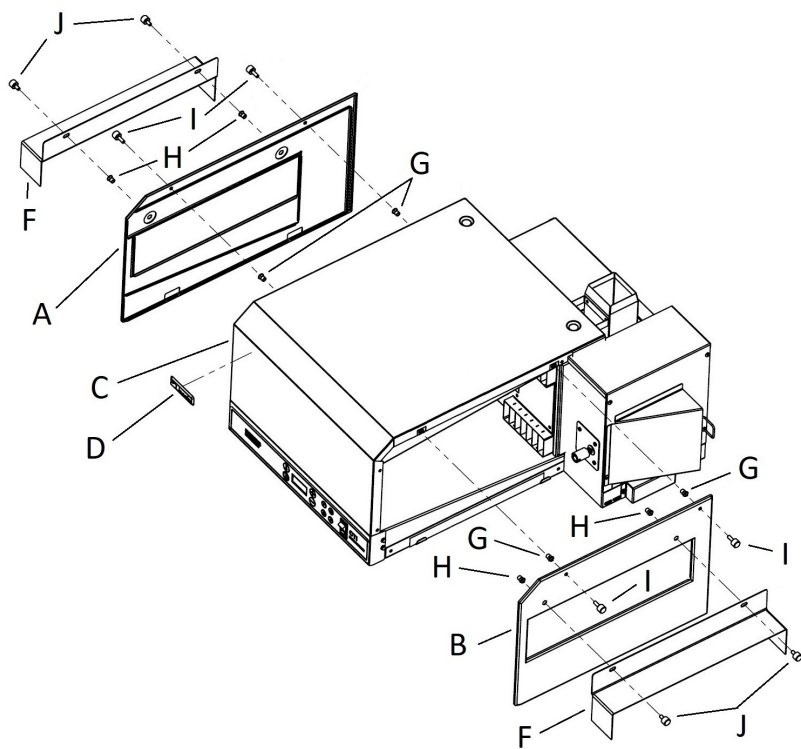
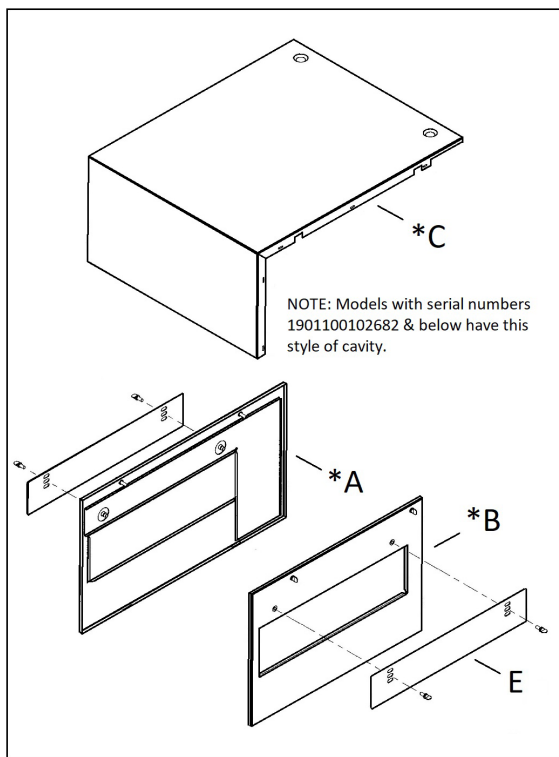
LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A			See " <b>Front Panel Assembly</b> " on Page 5	
B			See " <b>Cavity Assembly</b> " on Page 6 & 7	
C			See " <b>Control Box Parts</b> " on Page 8 & 9	
D			See " <b>Rear Wall Assembly</b> " on Page 16 & 17	
E		370020	Motor Cover Assembly	
F		370041	Duct, Inner/Outer Assembly	
G		370102	Cap, Flue Bottom	
H		CK9002807	Flue Duct Assembly	
I		370019 333094	Power Cord (All Models Except 2501011U0501620) Cordset, 30Amp Heilund (Model 2501011U0501620 Only)	
J		369461	Leg, 4" Adjustable	
Not Shown		1381 2540	Side Heat Shield Front Heat Shield	









## Front Panel Assembly – All Models



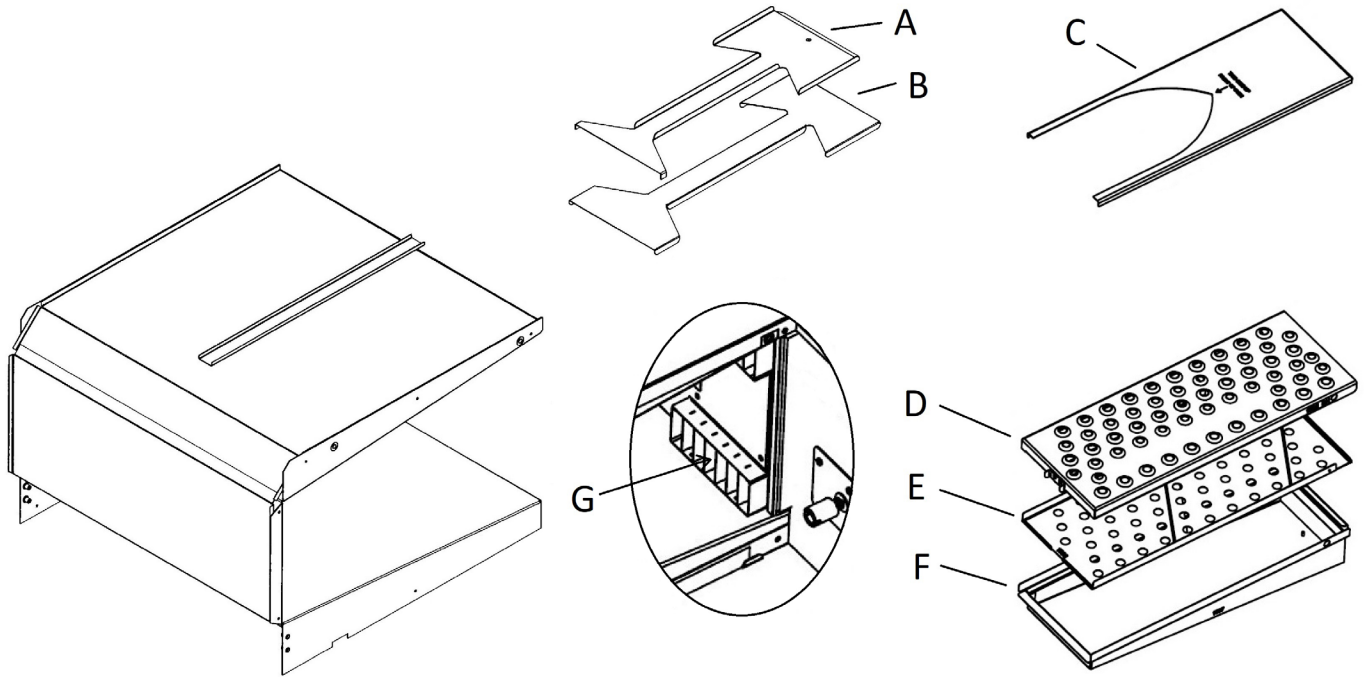
LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A		371452	Front Bracket Assembly (S/N 1701100100677 & Below)	
		11090003235	Front Bracket Assembly (S/N 1701100100678 to 1901100102862)	
B		11090002341	Front Bracket Assembly (S/N 1901100102863 & Above)	
C		371109	Control Board (All Models Except 2501004)	C
		371424	Control Board (Model 2501004 Only)	C
D		371430	Membrane Switch (S/N 1701100100677 & Below) (Except 2501002, 2502002, QT3, HB3)	C
		11010005738	Membrane Switch (S/N 1701100100678 & Above) (Except 2501002, 2502002, QT3, HB3)	C
		371108	Membrane Switch (S/N 1701100101060 & Below) (2501002, 2502002, QT3, HB3 Only)	C
		11010005737	Membrane Switch (S/N 1701100101061 & Above) (2501002, 2502002, QT3, HB3 Only)	C
E		27511SP	Switch, Lighted Rocker (S/N 1701100100677 & Below) (S/N 1701100101060 & Below for QT3, HB3)	C
		369432	Switch, Lighted Rocker (S/N 1701100100678 to 2008100101392 Except QT3, HB3) (S/N 1701100101061 to 2008100101392 for QT3, HB3) (S/N 2008100101393 & Above Except 2500, 2501, 2502)	C
		4600614	Switch, Lighted 6-Terminal (S/N 2008100101393 & Above for 2500, 2501, 2502 Only)	C

# Cavity Assembly – Outer Parts



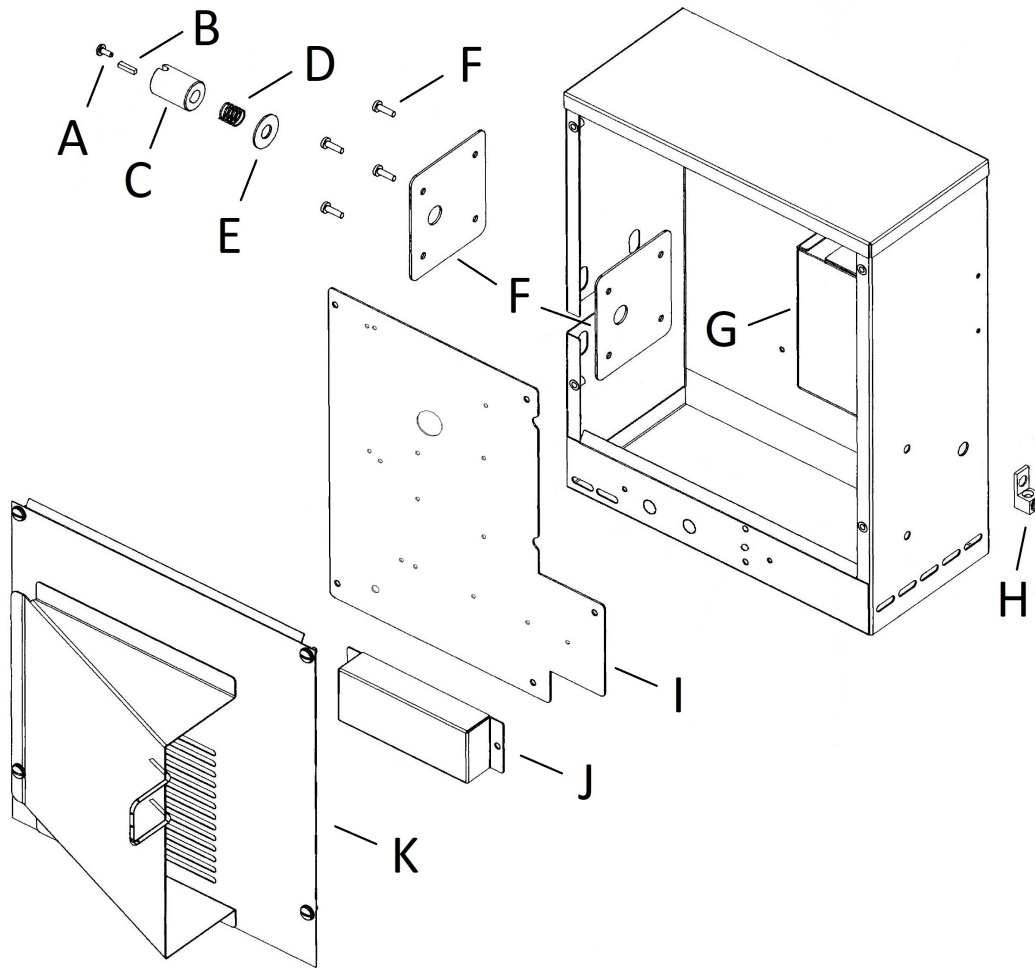
LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
*A A		371421 FK4604597	*Cover Panel, Left Side (S/N 1901100102682 & Below) Cover Panel, Left Side (S/N 1901100102683 & Above)	
*B B		371422 FK4604598	*Cover Panel, Right Side (S/N 1901100102682 & Below) Cover Panel, Right Side (S/N 1901100102683 & Above)	
*C C		371429 11090002346	*Cover, Top and Front Combo (S/N 1901100102682 & Below) Cover, Top and Front Combo (S/N 1901100102683 & Above)	
D		10002415	Nameplate, Lincoln	
E		369495	Conveyor Baffle (General Market) (Except 2501002, 2502002, QT3, HB3)	
F		371491	Eye Brow (2501002, 2502002, QT3, HB3 Only)	
G		371444	Round Nut Zert	
H		371445	Hex Nut Zert	
I		371090	Thumb Screw 1/4-20 x 3/4"	
J		369211	Thumb Screw 1/4-20 x 1/2"	







## Cavity Assembly – Inner Parts



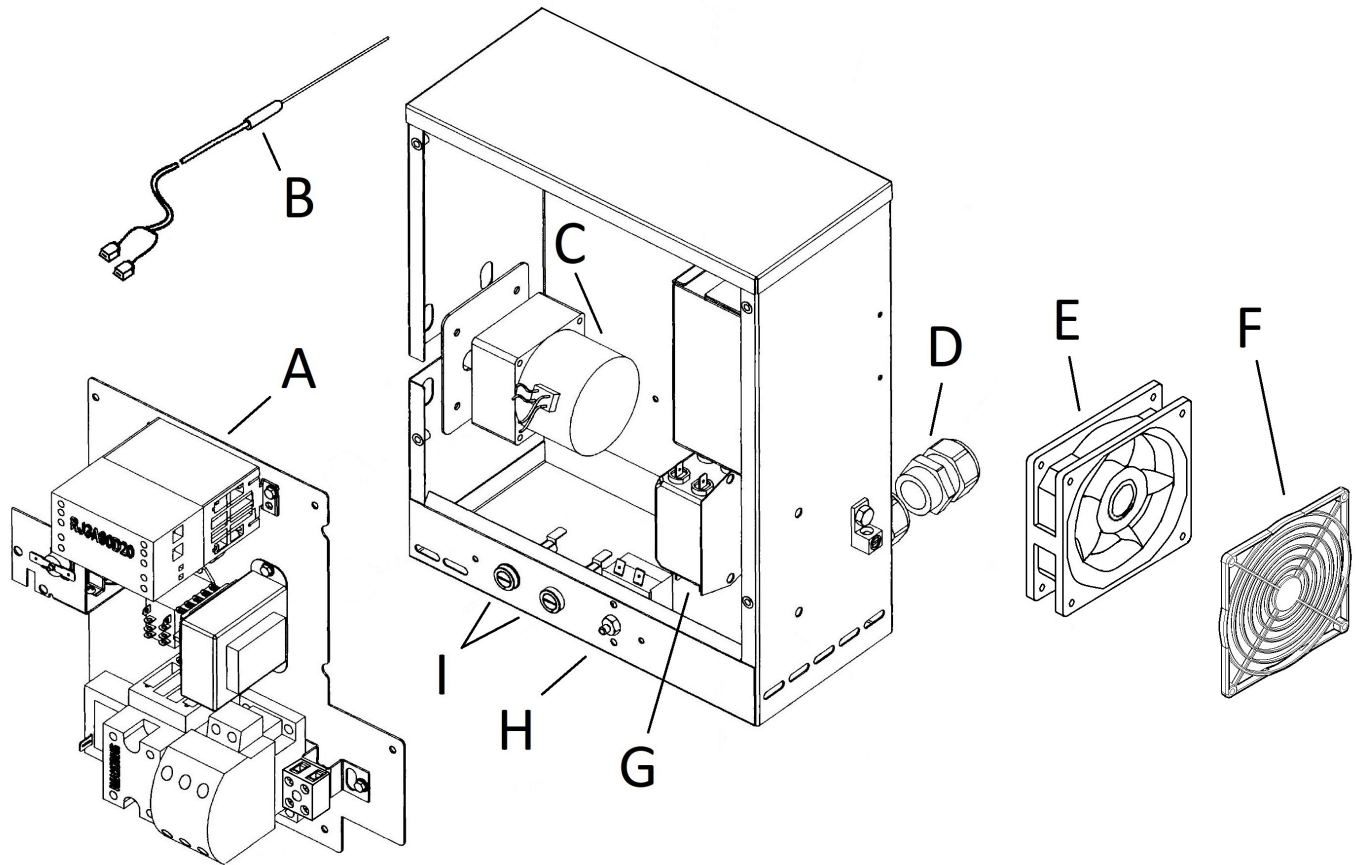
LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A		370913	Top Air Duct Panel (Except 2501002, 2502002, QT3, HB3)	
B		370656	Lower Air Duct Panel (Except 2501002, 2502002, QT3, HB3)	
		370655	Lower Air Duct (S/N 1403230000381 & Below) (Models 2501002, 2502002, QT3, HB3 Only)	
C		369435	Lower Air Duct (S/N 1403230000382 & Above) (Models 2501002, 2502002, QT3, HB3 Only)	
D		370657	Finger Cover (General Market) (Except 2501002, 2502002, QT3, HB3)	
		Contact Factory	Finger Cover (Models 2501002, 2502002, QT3, HB3 Only)	
E		1379	Columnating Plate (General Market) (Except 2501002, 2502002, QT3, HB3)	
		Contact Factory	Columnating Plate (Models 2501002, 2502002, QT3, HB3 Only)	
F		369442	Finger Housing (General Market) (Except 2501002, 2502002, QT3, HB3)	
		Contact Factory	Finger Housing (Models 2501002, 2502002, QT3, HB3 Only)	
G		369497	Thermocouple Bracket (Inside Lower Right Plenum)	










## Control Box – Non-Electrical Parts



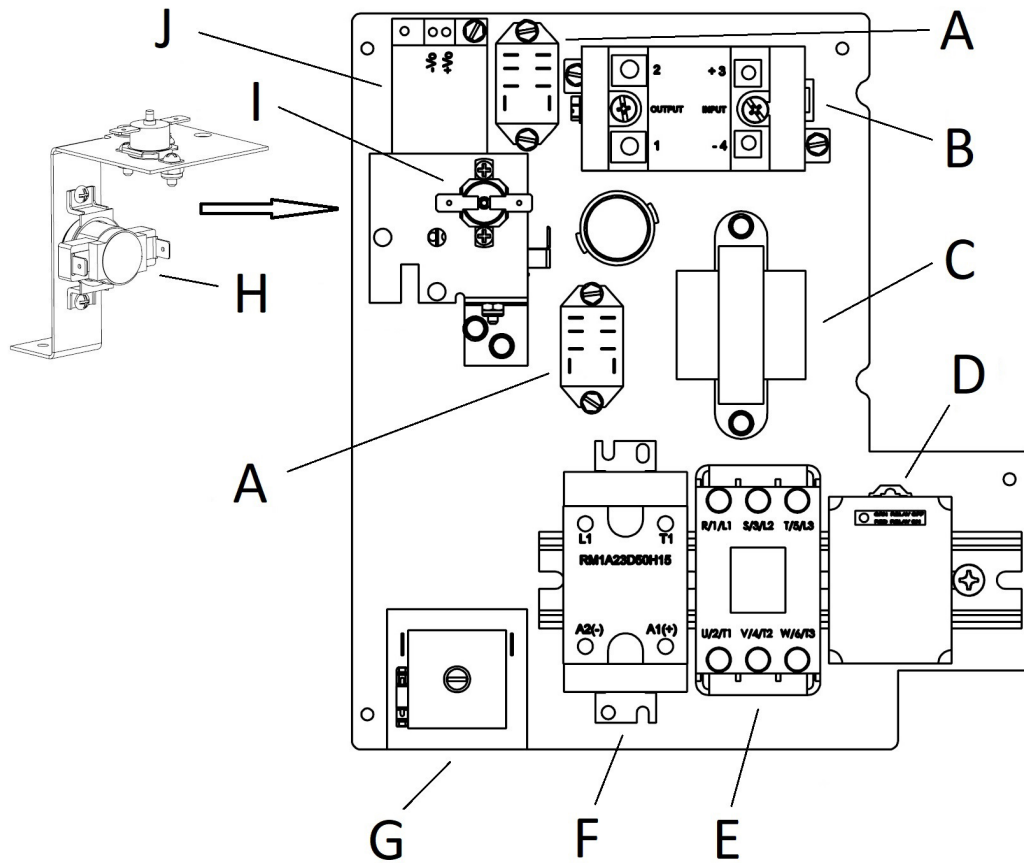
LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A		350259	Screw, THMSS 6-32 x 3/8	
B		369413	Key, Square Drive	
C		369410	Coupling Sleeve	
D		369460	Compression Spring	
E		369953	Flat Washer	
F		371447 15779SP	Plate, Reinforcement Screw, M4X20MM	
G		371448	Fan Cover	
H		370364	Ground Lug	
I		371451	Mounting Plate	
J		371446	Fuse Cover	
K		371394 11090003243	Cover Assembly, Control Box (S/N 1901100102862 & Below) Cover Assembly, Control Box (S/N 1901100102863 & Above)	











## Control Box – Electrical Parts



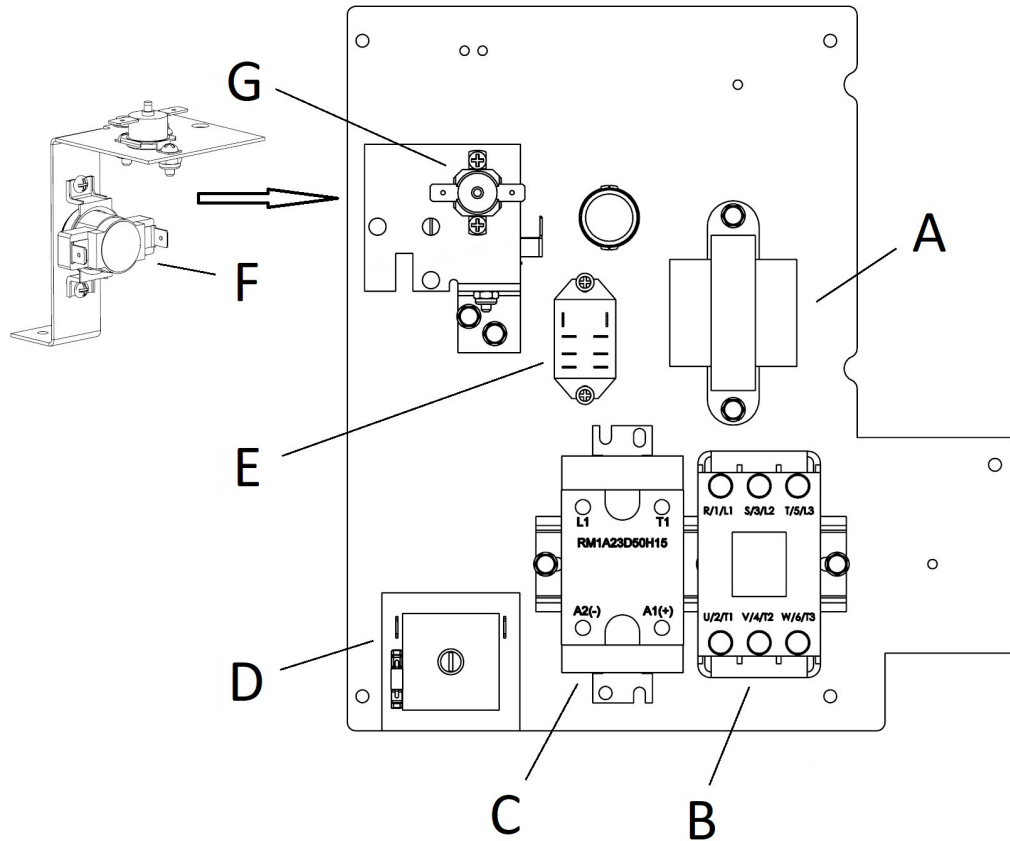
LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A			See " <b>Control Panel Assembly</b> " on Pages <b>10</b> thru <b>15</b>	
B		369131-CLE	Thermocouple, J Style (369470 Insulation Seal must be changed at same time)	C
C		371110	Motor, Stepper	C
D		370749	Strain Relief	
E		369378 371449	Motor, Cooling Fan Cordset, Cooling Fan	C
F		369331 371450	Finger Guard, Cooling Fan Screw, Cooling Fan Mount 6-32X2" / (Nut Part# 32630SP)	
G		371154 371157	EMI Filter (Models 2508, 2509, 2512 Only) EMI Filter (Models 2504, 2505, 2514 Only)	C
H		357067	Thermostat, Cavity Hi-Limit	C
I		370342 369492	Fuse holder HTB-361 Fuse, Time Delay 5A	R C
Not Shown		371508 10005145 10002102	Wire Harness (All Models Except 2500) Wire Harness Supplemental 1PH Export (2504, 2510, 2514) Wire Harness Supplemental 3PH Export (2508, 2509, 2512)	
Not Shown		10005710 11010005716 11010005717 11010005718	Wire Harness, Main Front (2500 Only) Wire Harness, Main Control Box (2500 Only) Wire Harness, Low Voltage with Resistors (2500 Only) Wire Harness, Rear (2500 Only)	

# Control Panel Assembly – 2500 (Dual Voltage)



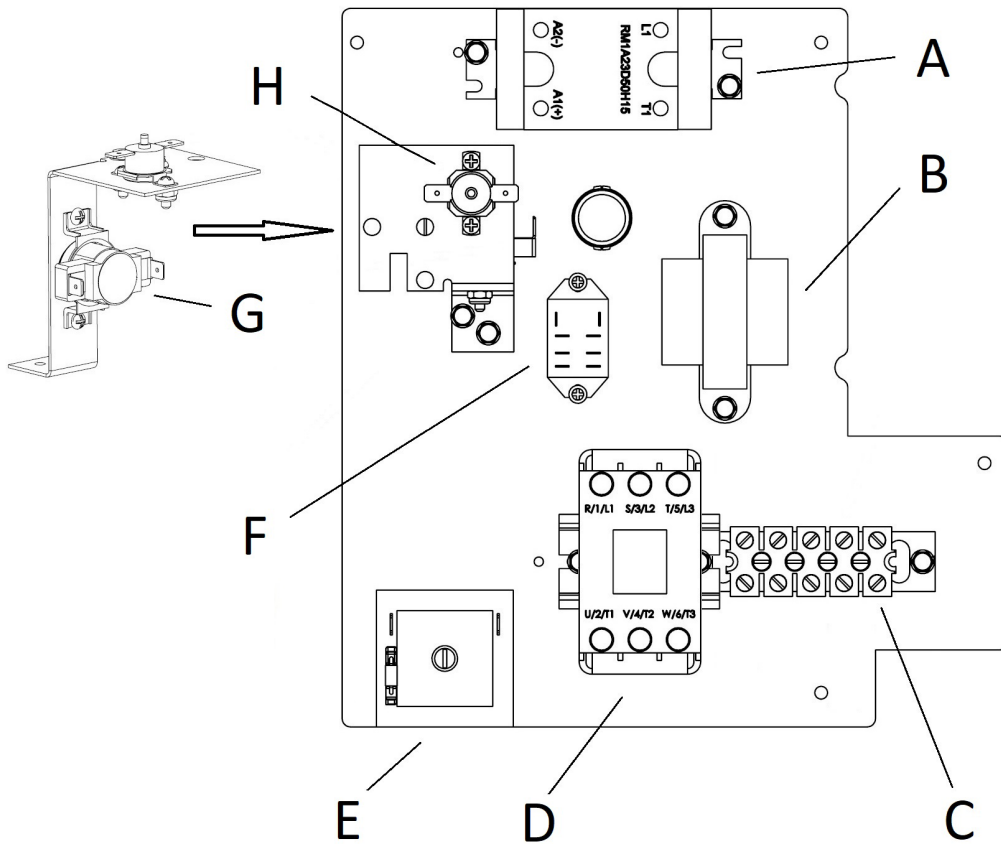
LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A		369422	Relay, Fan	C
B		11010005740	Proportional Controller	C
C		369427	Transformer	C
D		10005705	VMR – Voltage Monitoring Relay	C
E		370739	Contactor, Safety	C
F		371038	Solid State Relay, 50A	C
G		370466	Module, Time Delay, 30 Min, 230V	C
H		369507	Cooling Fan Thermostat	R
I		369431	Hi-Limit, Control Box	R
J		10005709	Power Supply 12VDC	C

# Control Panel Assembly – 2501, 2502, 2510



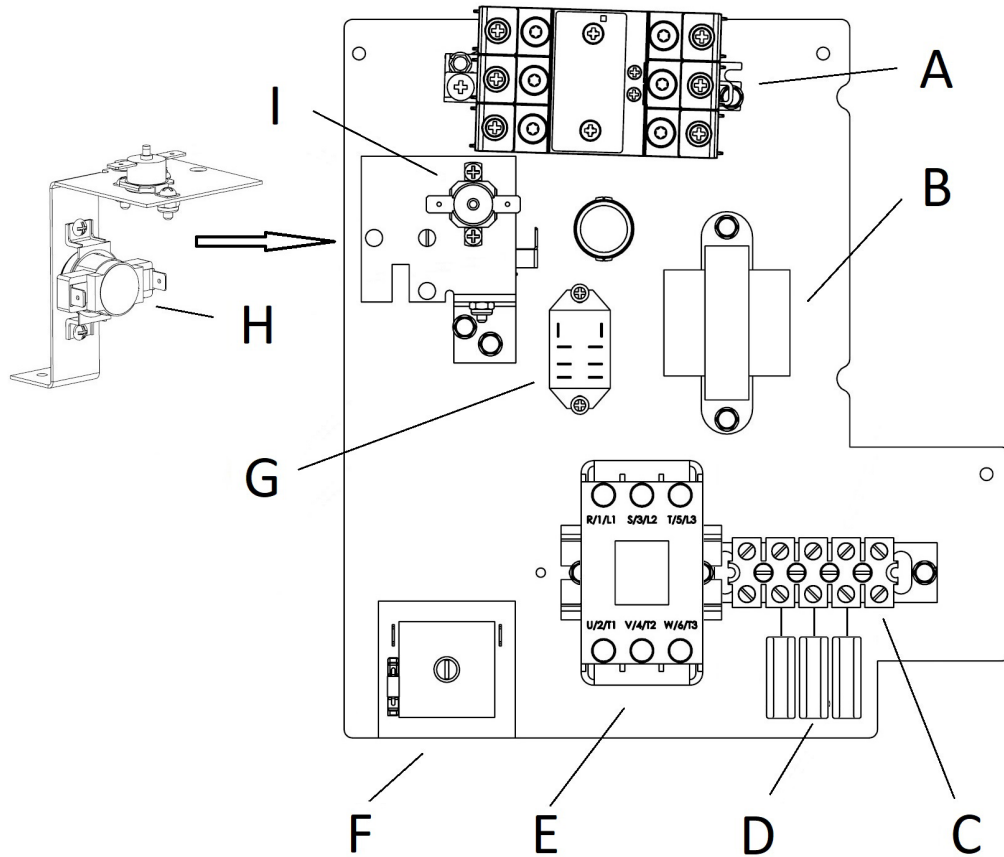
LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A		369427	Transformer	C
B		370739	Contactor, Safety	C
C		371038	Solid State Relay, 50A	C
D		370466	Module, Time Delay, 30 Min, 230V	C
E		369422	Relay, Fan	C
F		369507	Cooling Fan Thermostat	R
G		369431	Hi-Limit, Control Box	R










# Control Panel Assembly – 2504, 2505



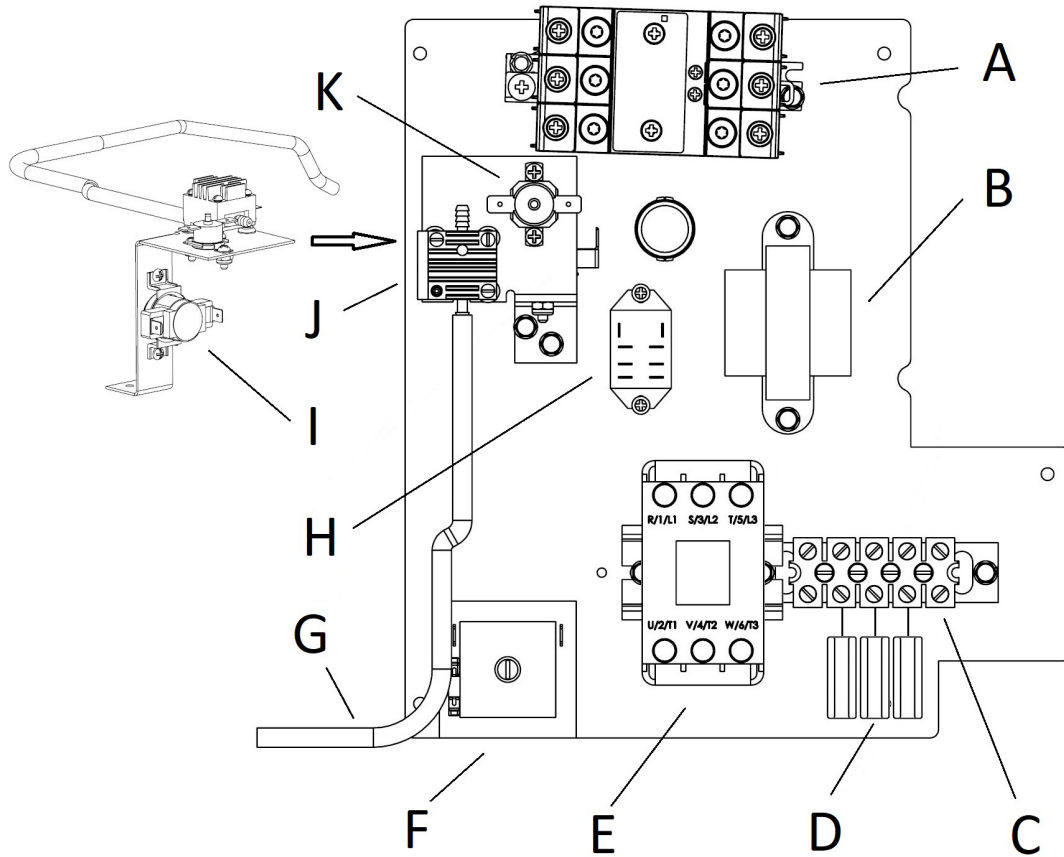
LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A		371038	Solid State Relay, 50A	C
B		370241	Transformer	C
C		370117 S9002882	Terminal Block, 5 Pole Terminal Bracket Assembly	
D		370739 370740	Contactor, Safety Rail, Contactor	C
E		370466	Module, Time Delay, 30 Min, 230V	C
F		369422	Relay, Fan	C
G		369507	Cooling Fan Thermostat	R
H		369431	Hi-Limit, Control Box	R

# Control Panel Assembly – 2508, 2509



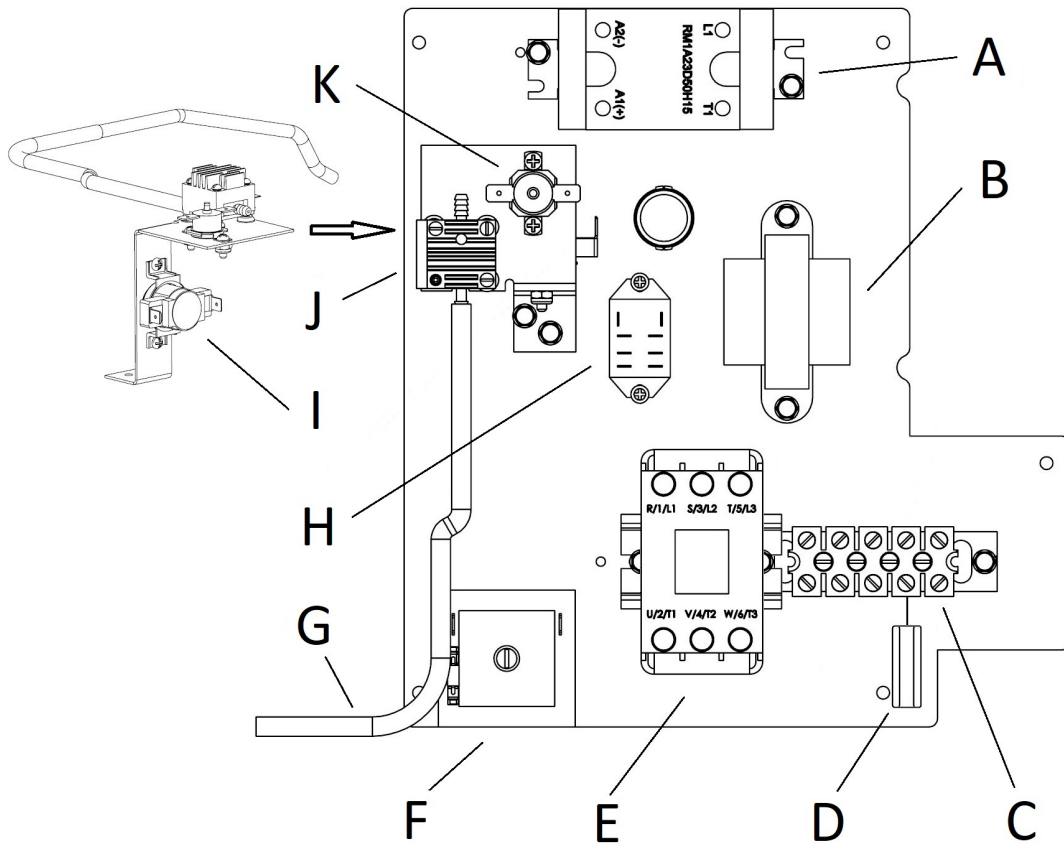
LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A		371164	Solid State Relay, 25A 3PH	C
B		370241	Transformer	C
C		370117 S9002882	Terminal Block, 5 Pole Terminal Bracket Assembly	
D		371155	EMI Capacitor, 3PH	R
E		370739 370740	Contactor, Safety Rail, Contactor	C
F		370466	Module, Time Delay, 30 Min, 230V	C
G		369422	Relay, Fan	C
H		369507	Cooling Fan Thermostat	R
I		369431	Hi-Limit, Control Box	R












# Control Panel Assembly – 2512



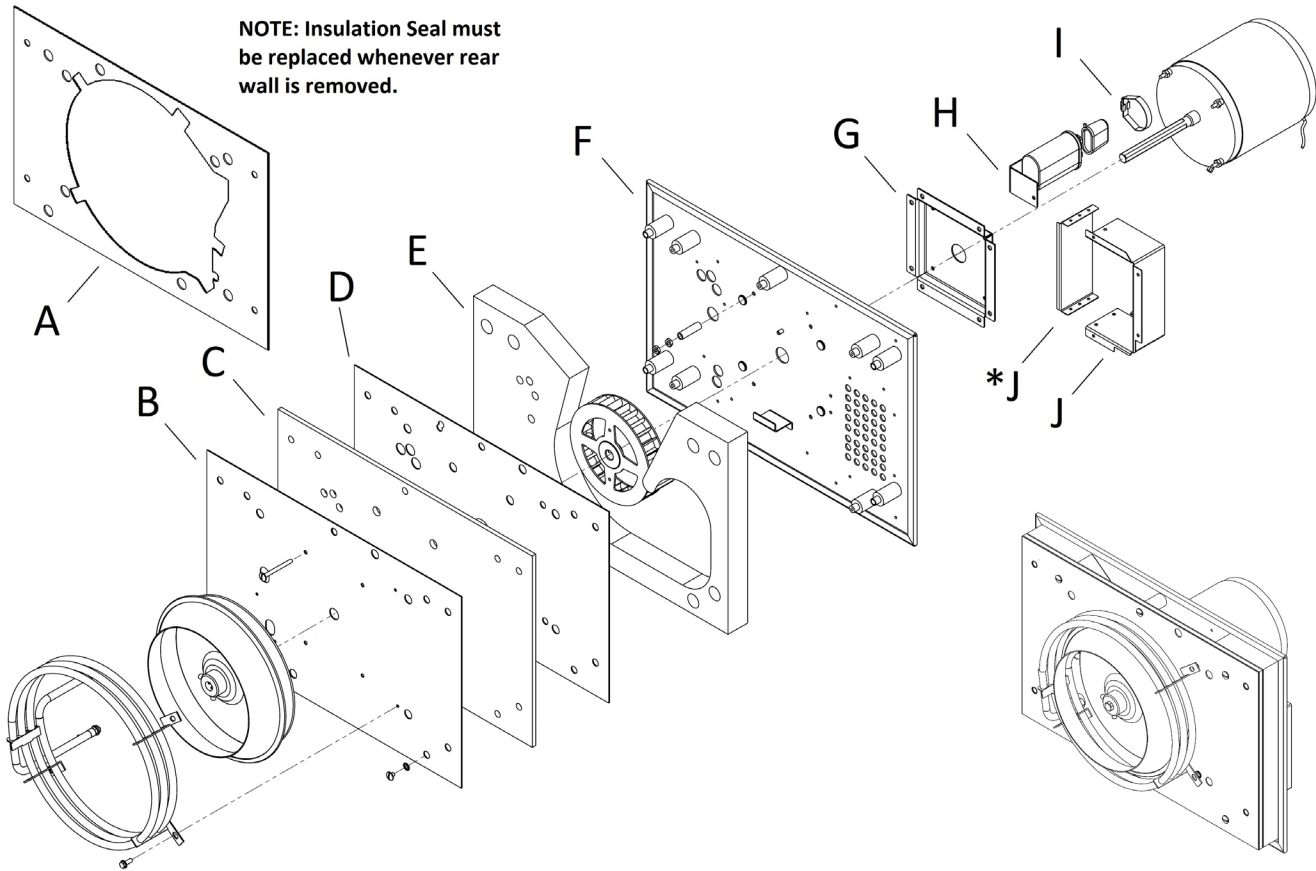
LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A		371164	Solid State Relay, 25A 3PH	C
B		370241	Transformer	C
C		370117 S9002882	Terminal Block, 5 Pole Terminal Bracket Assembly	
D		371155	EMI Capacitor, 3PH	R
E		370739 370740	Contactor, Safety Rail, Contactor	C
F		370466	Module, Time Delay, 30 Min, 230V	C
G		369865	Air Switch Tube Assembly	
H		369422	Relay, Fan	C
I		369507	Cooling Fan Thermostat	R
J		CK10001229 370673	Air Switch (S/N 1804100103108 & Below) Air Switch (S/N 1804100103109 & Above)	C
K		369431	Hi-Limit, Control Box	R





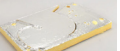






# Control Panel Assembly – 2514



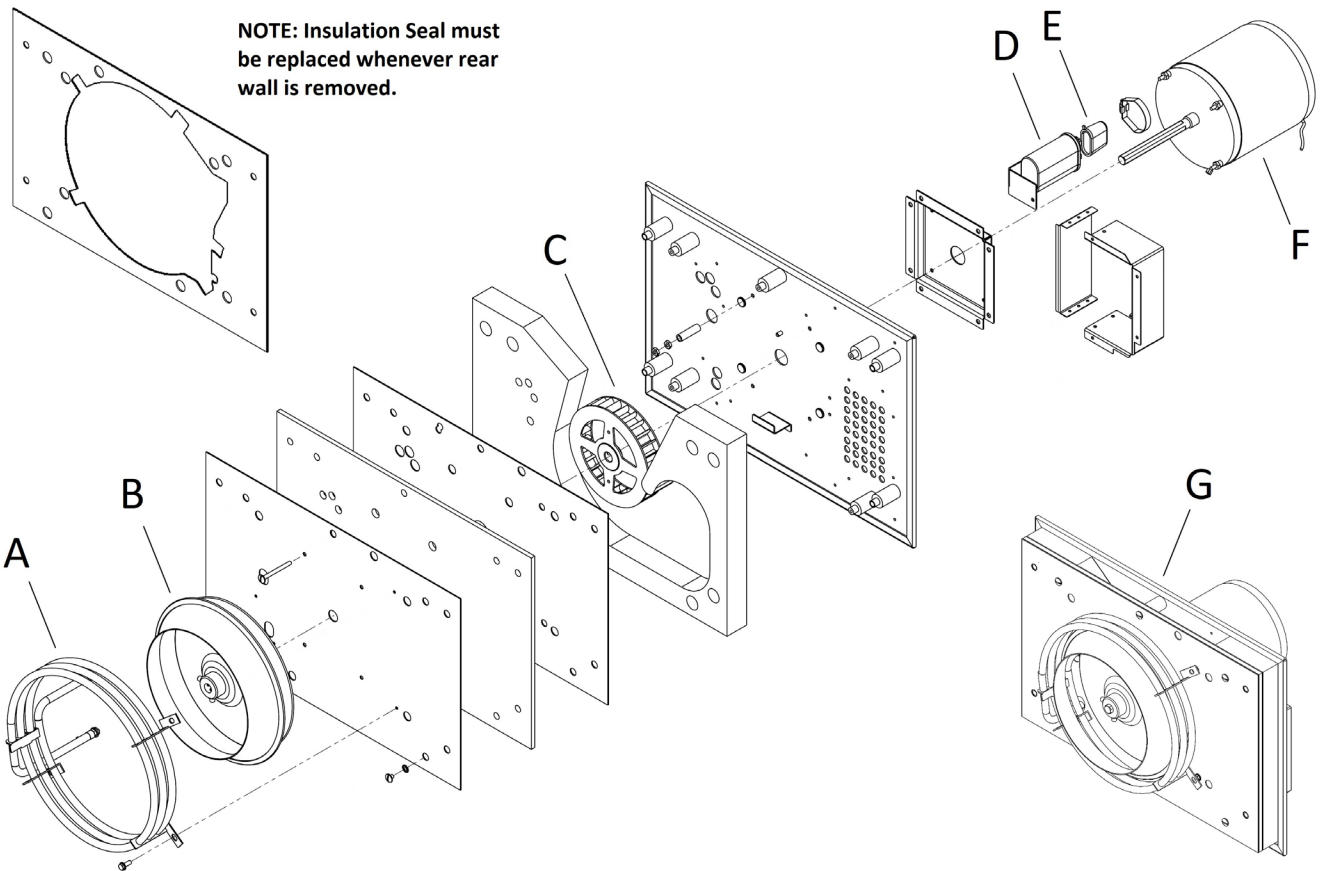
LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A		371038	Solid State Relay, 50A	C
B		370241	Transformer	C
C		370117 S9002882	Terminal Block, 5 Pole Terminal Bracket Assembly	
D		371158	EMI Capacitor, 1PH	R
E		370739 370740	Contactor, Safety Rail, Contactor	C
F		370466	Module, Time Delay, 30 Min, 230V	C
G		369865	Air Switch Tube Assembly	
H		369422	Relay, Fan	C
I		369507	Cooling Fan Thermostat	R
J		CK10001229 370673	Air Switch (S/N 1804100103108 & Below) Air Switch (S/N 1804100103109 & Above)	C
K		369431	Hi-Limit, Control Box	R










# Rear Wall Assembly – Metal & Insulation Parts



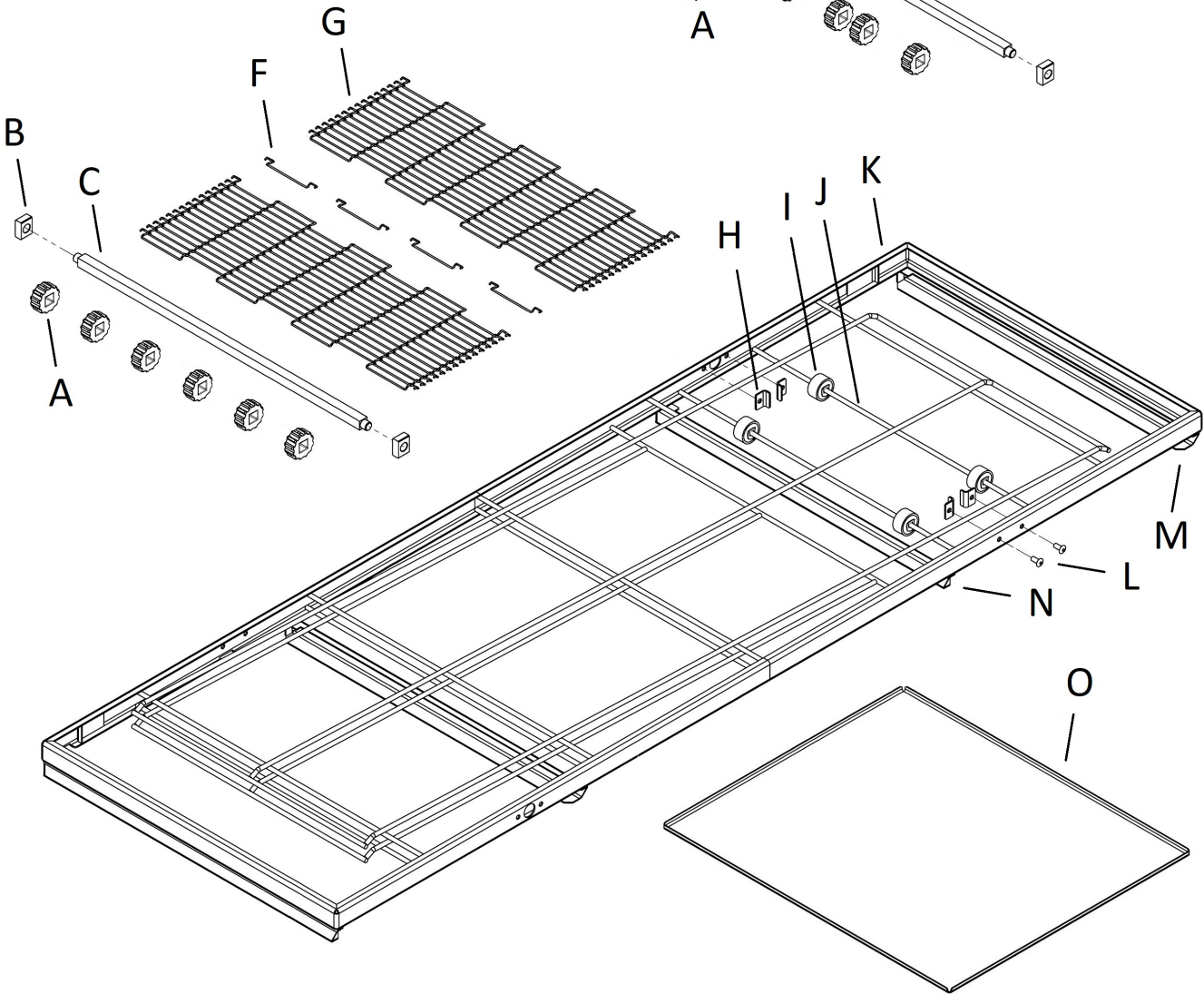
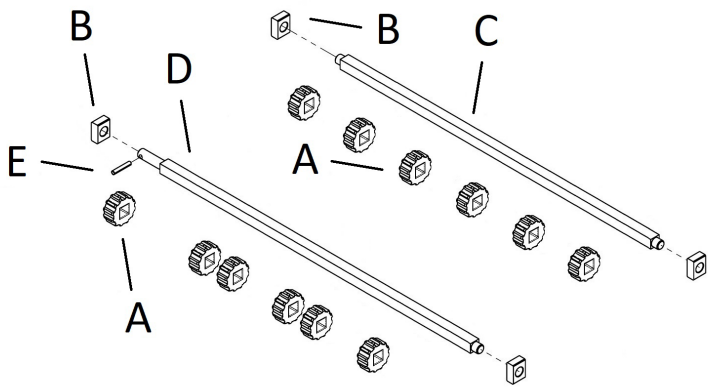
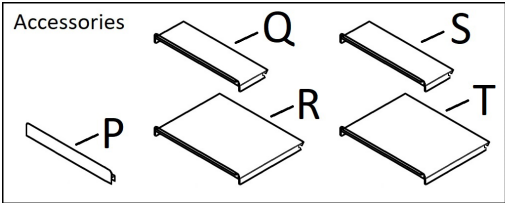
LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A		369470	Insulation Seal	C
B		369935 370728	Cover Plate, Domestic (all models except 400/230V, 3PH) Cover Plate, CE (400/230V, 3PH model only)	
C		369473	Insulation Plenum Wall	
D		369936	Plenum Barrier Panel	
E		369474	Insulation, Air Pump Panel	
F		370093	Motor Plate Assembly	
G		369940	Motor Mount	
H		370101	Mounting Bracket, Capacitor	
I		357003	Hose Clamp	
J		7004840 7004841	Air Outlet Duct Side Panel, Air Outlet Duct	
Not Shown		370639	Puller, Blower Wheel	

# Rear Wall Assembly – Electrical & Blower Parts



LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A		369418	Heating Element, 208V, 1PH (2500, 2501)	C
		369419	Heating Element, 240V, 1PH (2502, 2504, 2514)	
		369450	Heating Element, 220V, 1PH (2510)	C
A		369456	Heating Element, 380V, 1PH (2505)	C
		369476	Heating Element, 220V, 3PH (2508)	
		370165	Heating Element, 230V, 3PH (2512)	
A		369477	Heating Element, 240V, 3PH (2509)	C
		369409	Blower, Impeller Mixed Flow	
B		369408	Air Pump	R
C		369192	Capacitor, 7.5µf 90C	C
D		369105	Capacitor Terminal Cover	
E		369485	Motor, Main Fan, 208/240V 60HZ (3100RPM with Molex Plug)	C
		369423	Motor, Main Fan, 208/240V 60HZ (1750RPM with Side Term.)	
		369480	Motor, Main Fan, 220/240V 50HZ (2700RPM with Molex Plug)	
F		371334	Rear Wall Assembly (With 208V Element, 3100RPM Motor)	
		371210	Rear Wall Assembly (With 240V Element, 3100RPM Motor)	
		371478	Rear Wall Assembly (With 208V Element, 1750RPM Motor)	

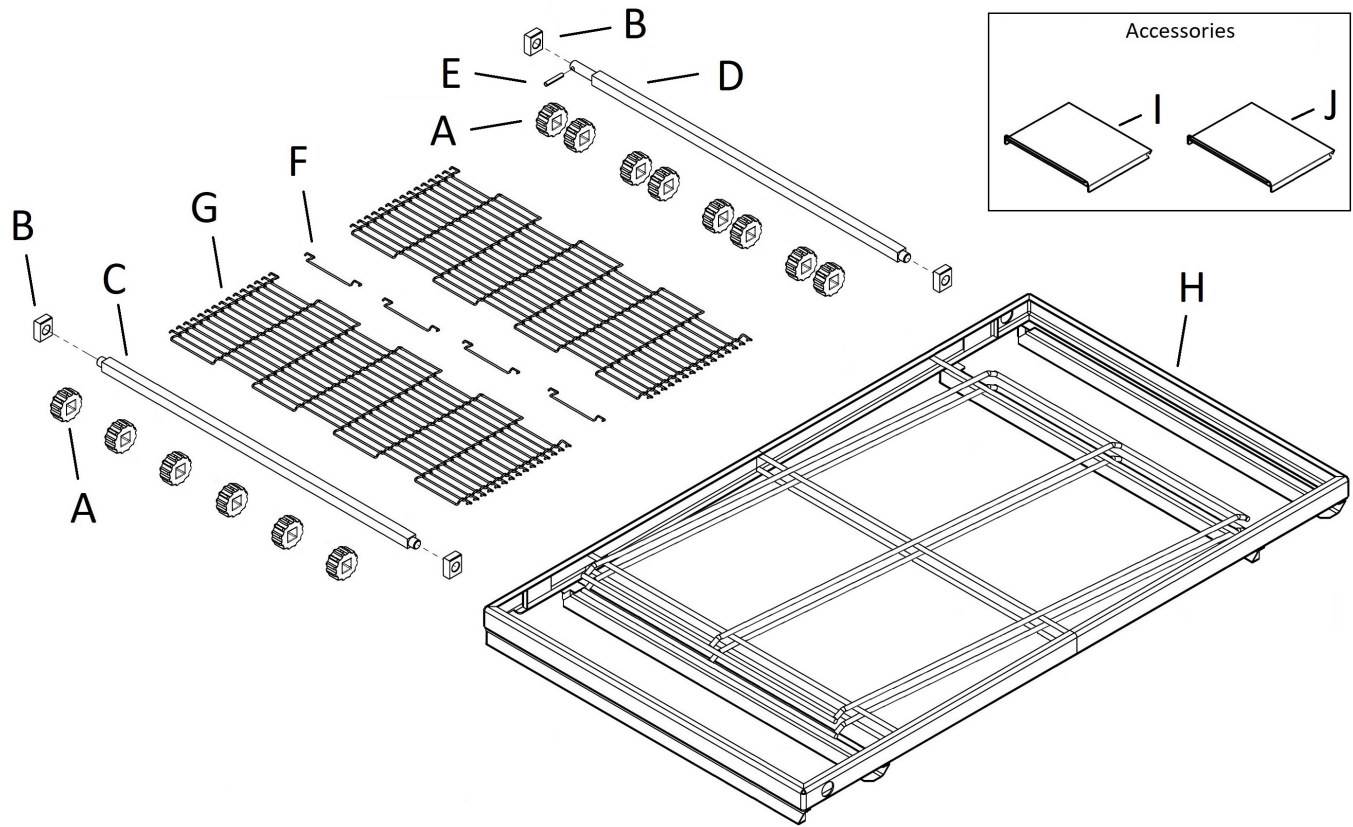
# Extended Conveyor Assembly



## Extended Conveyor Assembly




LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
		369909	Complete Extended Conveyor Assembly (49 3/4" length)	
A		369515	Drive Sprocket	R
B		369516	Conveyor Bearing	C
C		369462	Idler Axle	R
D		369463	Drive Axle	R
E		369471	Roll Pin, 5/32 x 7/8"	C
F		369412	Conveyor Splice Clip	C
G		369481 370185	Conveyor Belting - Extended Conveyor Belting (1-foot section)	C
H		370609	Bearing Bracket	
I		369921 369920	Roller, Slider Bed Retainer	R
J		369922	Support Rod	
K		369943	Conveyor Frame, Extended	
L		369954	Pop Rivet S/S	
M		370172	Crumb Pan Support, RH	
N		370171	Crumb Pan Support, LH	
O		369489	Crumb Pan	
P		1345	Pan Stop	
Q		1344	Entry Shelf, 4" (Incline)	
R		1343	Entry Shelf, 12" (Incline)	
S		1342	Exit Shelf, 4" (Level)	
T		1341	Exit Shelf, 12" (Level)	

# Standard Conveyor Assembly



LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
		369443	Complete Standard Conveyor Assembly (31" length)	
A		369515	Drive Sprocket	R
B		369516	Conveyor Bearing	C
C		369462	Idler Axle	
D		369463	Drive Axle	
E		369471	Roll Pin, 5/32 x 7/8"	C
F		369412	Conveyor Splice Clip	C
G		369411 370185	Conveyor Belting – Standard Conveyor Conveyor Belting (1-foot section)	C
H		370094	Conveyor Frame, Standard	
I		1343	Entry Shelf, 12" (Incline)	
J		1341	Exit Shelf, 12" (Level)	

## Miscellaneous Items

LETTER	PHOTO	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
		370123	Conversion Kit, 208V to 240V (240V Element, Insulation Seal)	
		370124	Conversion Kit, 240V to 208V (208V Element, Insulation Seal)	
		CK11090003256	Spare Parts Kit (4 Thumb Screws and Washers, Power Switch, 4 Splice Clips, Conveyor Brush, 5 Fuses, Fuse Holder) (S/N 1701100100678 to 2008100101392 Only)	
		FK11070003859	Controls Cooling, Retrofit Kit (Insulation Seal, L & R Block-offs, 2-piece Insulation Hold-down, Air Pump Bracket w/Hardware) For Units Made Prior to Jan 2016 (S/N 16011001#####) (Consult Factory for Proper Use)	
		FK11090003569	Control Box Cooling, Retrofit Kit (Contains Several Parts & Hardware to Upgrade Control Box) For Units Made Prior to Jan 2016 (S/N 16011001#####) (Consult Factory for Proper Use)	
		FK11090003568	Double Stack Cooling, Retrofit Kit (Gasket, Flue Collar, Screw) For Units Made Prior to Jan 2016 (S/N 16011001#####) (Consult Factory for Proper Use)	



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