



Consistency You Can Count On

Lincoln Aperion 2424 Impinger® Conveyor Oven

Parts Manual For 60 Hz



Original Document

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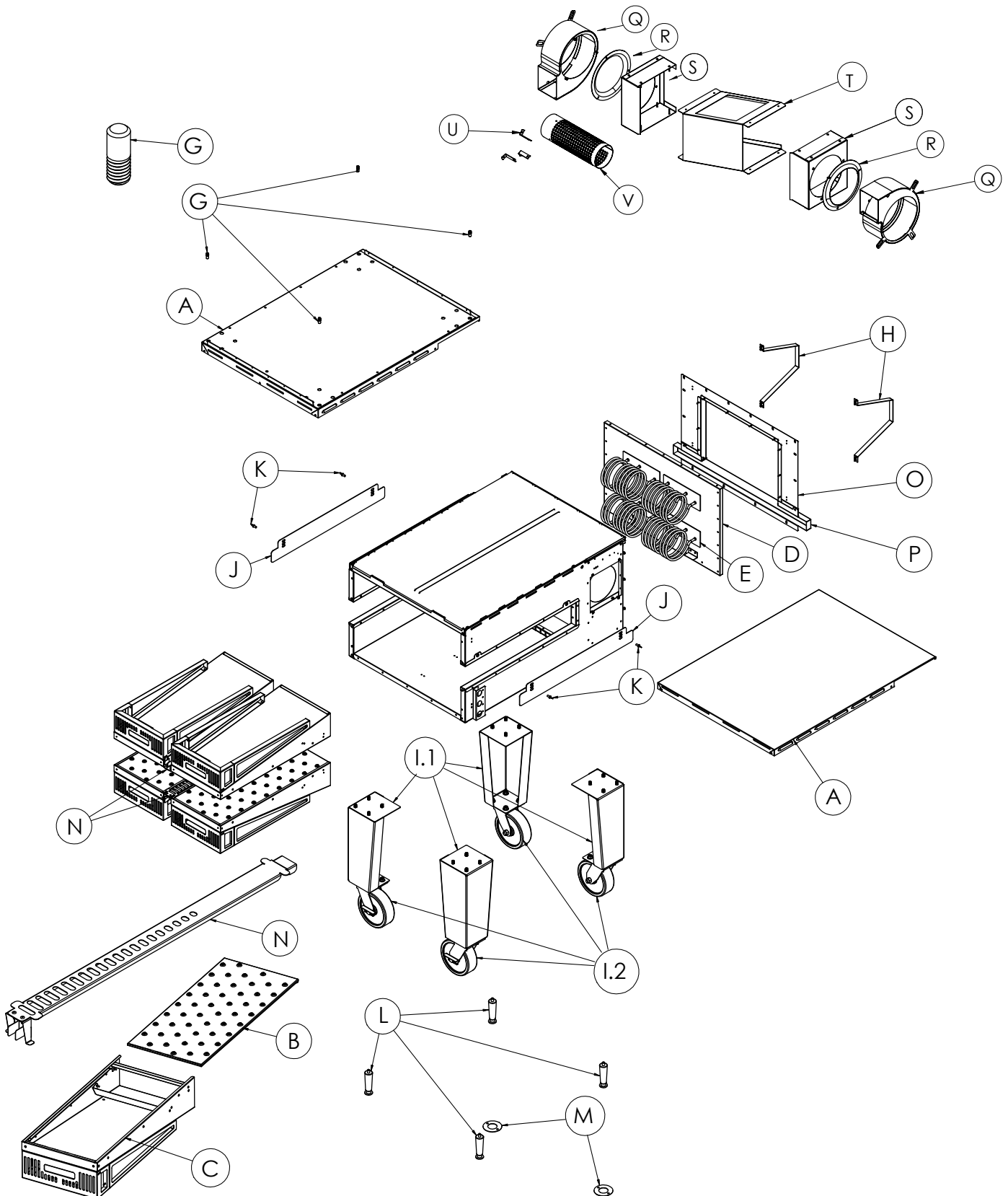


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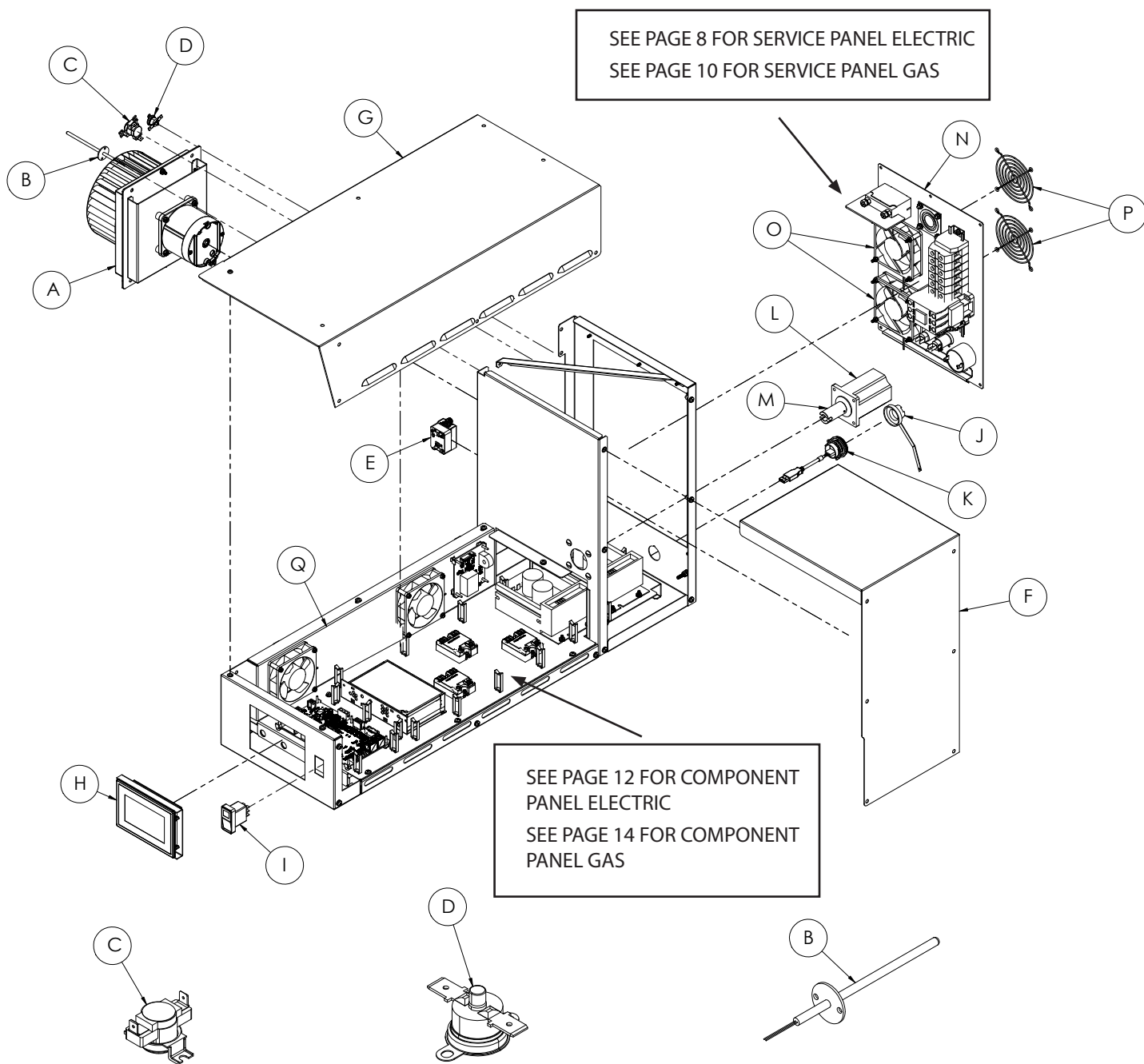
MAIN CAVITY



MAIN CAVITY

LETTER	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A	CK4606201	TOP COVER – STACKING KIT (STACKING COVER OPTION) INCLUDES 4 pc. ITEM “G”	
	4604978	CAVITY TOP COVER GM (SINGLE OR TOP COVER OPTION)	
B	4604975	FINGER JET PLATE	
C	CK4605326	FINGER HOUSING ASSEMBLY	
D	4605002	BACK PANEL (ELECTRIC)	
	4607547	BACK PANEL (GAS)	
E	4605710	ELEMENT (ELECTRIC)	
G	4606203	PARTIAL THREADED ROD 3/8-16 X 1 LONG	
H	4607863	STANDOFF, REAR WALL	
I.1	369328	LEG	
I.2	369030	CASTER	
J	4605382	BAFFLE	
K	369211	THUMB SCREW	
L	369461	LEG, 4 INCH	
M	369451	MOUNTING RING (2 RINGS AND HARDWARE)	
N	4606343	CENTER AIR RETURN BRACKET ASSEMBLY	
O	CK4605538	REAR COVER ASSEMBLY	
	4607546	REAR COVER ASSEMBLY GAS	
P	4605264	REAR COVER WIRE CHANNEL	
Q	4605392	BLOWER HOUSING	
R	4605621	INLET CONE	
S	4607577	CAVITY ELEMENT BAFFLE (GAS)	
T	4607574	FUNNEL (GAS)	
U	4607573	FLAME PROTECTOR L-BRACKET (GAS)	
V	4607563	FLAME PROTECTOR (GAS)	

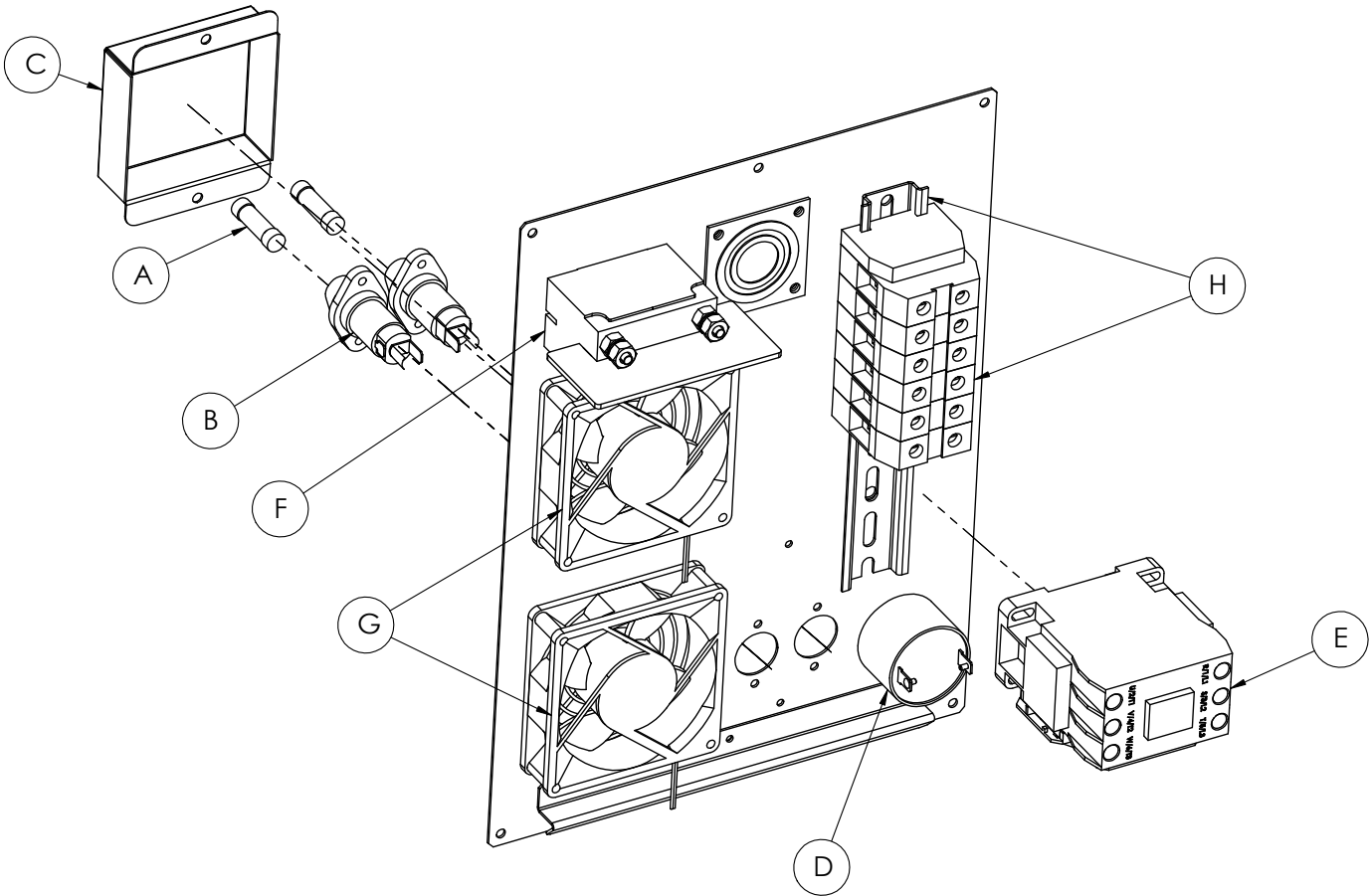
RIGHT CONTROL BOX - ELECTRIC



RIGHT CONTROL BOX - ELECTRIC

LETTER	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A	CK4605340	FAN MOTOR ASSEMBLY	
B	4603578	THERMOCOUPLE	
C	369507	THERMOSTAT BI-METAL	
D	4605622	THERMAL DISCONNECT	
E	4607695	HIGH LIMIT THERMOSTAT CAPILLARY	
F	4605019	COVER, SIDE, CTRL BOX	
G	4604977	COVER, L-SHAPE, CTRL ELEC BOX	
H	CK4609353	COMMON 4.3" UI, ASSEMBLY	
I	4600614	MAIN POWER SWITCH	
J	4532043	USB SEALING CAP	
K	4532040	USB PANEL MOUNT	
L	CK4607043	CONVEYOR MOTOR - INCLUDES ITEM "M"	
M	CK4605921	COUPLING SLEEVE - INCLUDES SET SCREW	
N	SEE SERVICE PANEL PAGE 8 & 10	SERVICE PANEL ASSEMBLY	
O	4604746	COOLING FAN, 24VDC, 2424	
P	4604757	FAN GUARD	
Q	SEE COMPONENT PANEL PAGE 12 & 14	COMPONENT PANEL ASSEMBLY	
NOT SHOWN	4605293	CONTROL BOX WIRING HARNESS	
NOT SHOWN	4605294	RIGHT TOWER WIRING HARNESS (BACK HARNESS)	
NOT SHOWN	4605295	REAR WALL WIRING HARNESS	
NOT SHOWN	4607498	ETHERNET PATCH CORD (UI TO I/O BOARD)	
NOT SHOWN	4607876	USB EXTENSION	

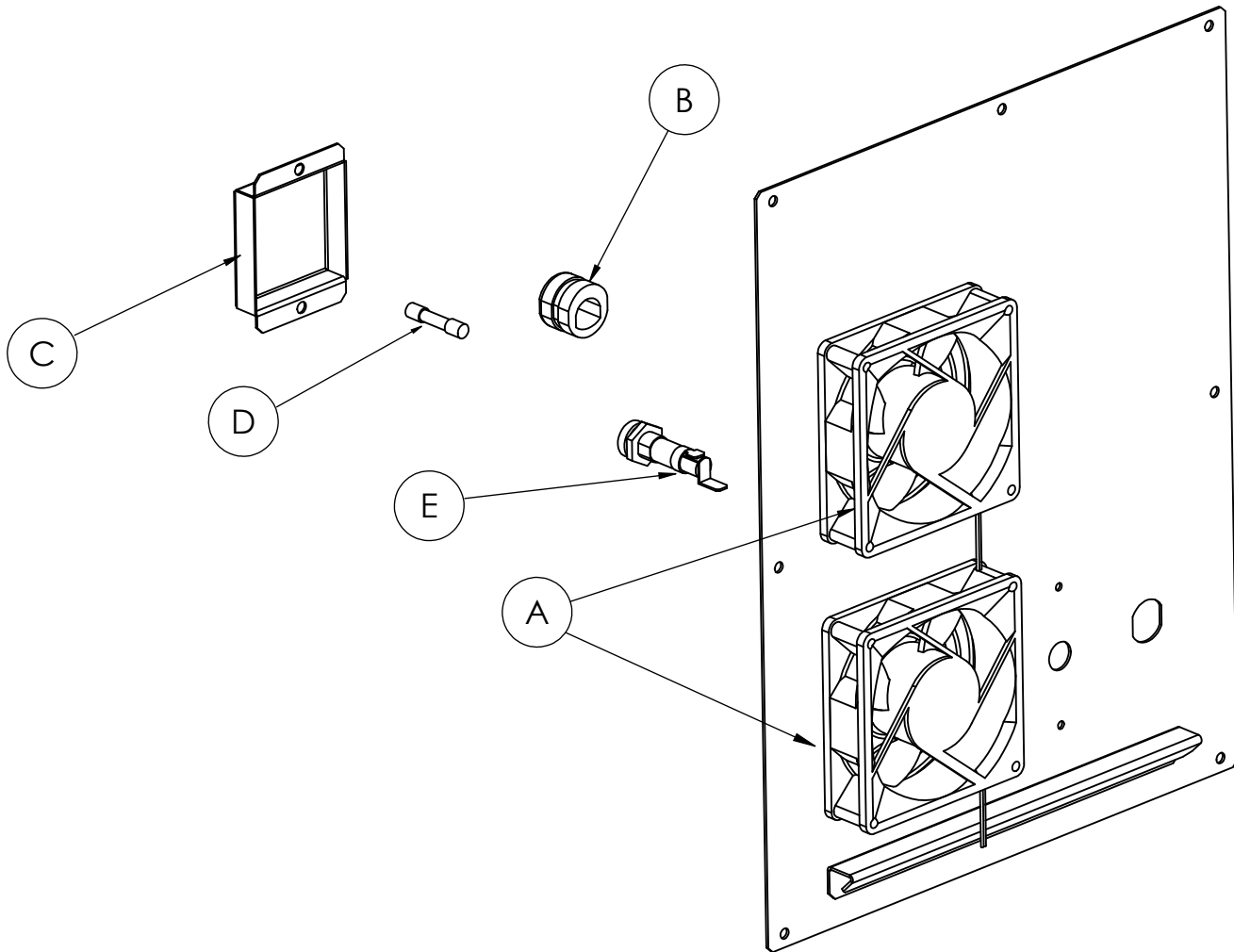
SERVICE PANEL - ELECTRIC



SERVICE PANEL - ELECTRIC

LETTER	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A	369166	FUSE, 10 AMP CARTRIDGE	
B	369129	FUSE HOLDER 15A 300V	
C	10001365	COVER FUSE 2' OVEN	
D	369579	ALARM, 240V	
E	370739	CONTACTOR, DCTI	
F	2688801	CIRCUIT BREAKER 2 POLE 30A	
G	4604746	COOLING FAN, 24VDC, 2424	
H	2694800	TERMINAL BLOCK	

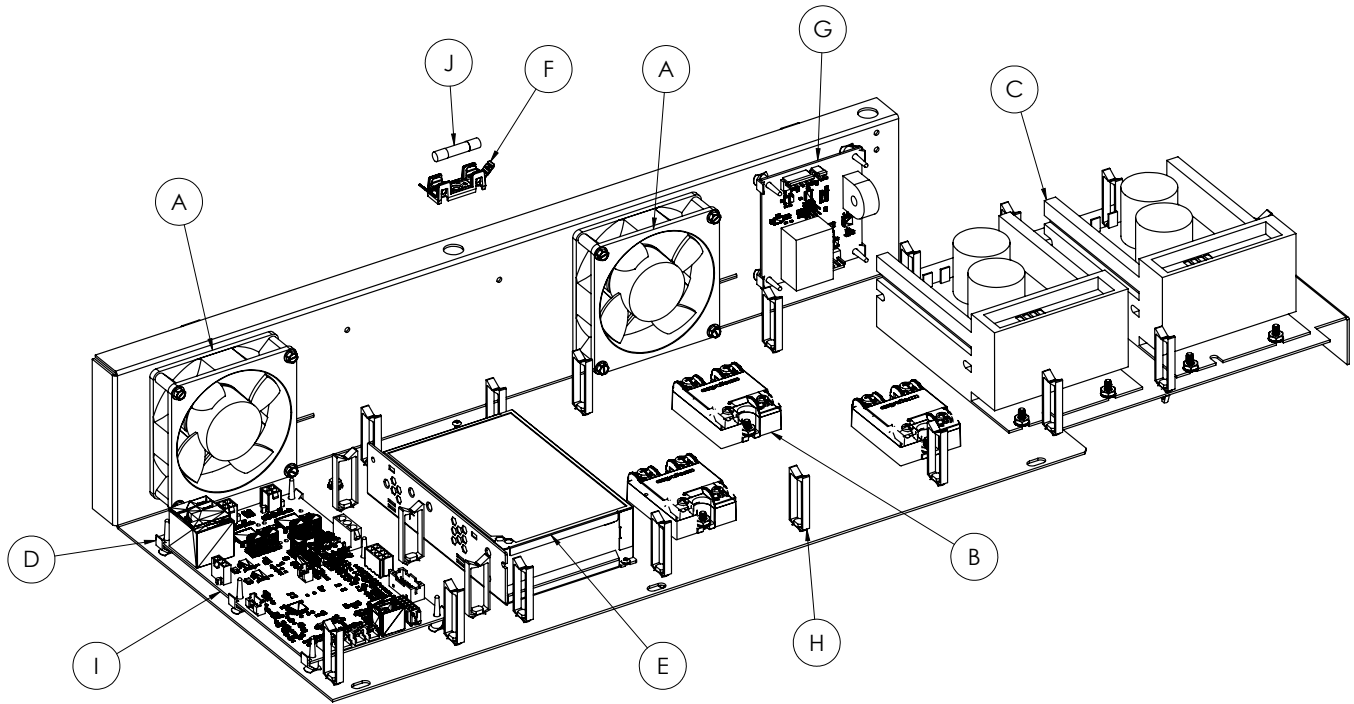
SERVICE PANEL - GAS



SERVICE PANEL - GAS

LETTER	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A	4604746	COOLING FAN, 24VDC, 2424	
B	369538	STRAIN RELIEF, SR 7N-2	
C	4609334	FUSE COVER APERION	
D	4605328	FUSE TIME DELAY 15A	
E	370342	FUSE HOLDER, HTB-361	
NOT SHOWN	369537	POWER CORD W/PLUG	

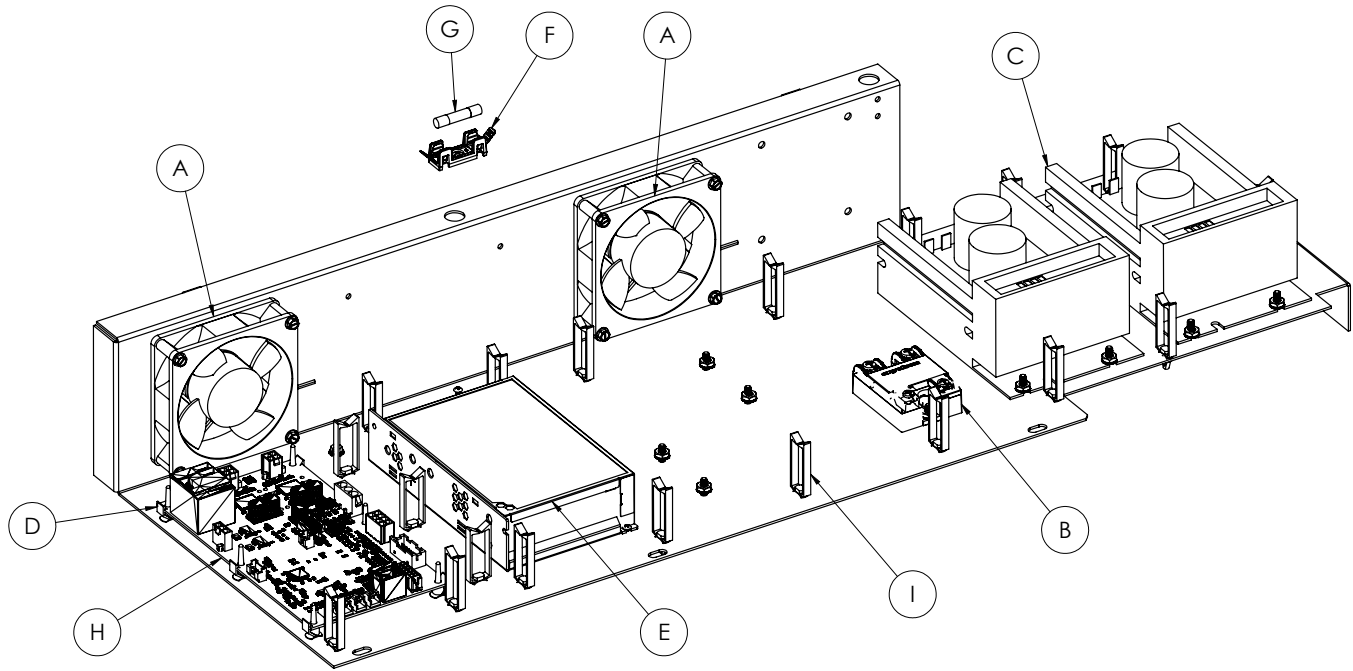
COMPONENT PANEL - ELECTRIC



COMPONENT PANEL - ELECTRIC

LETTER	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A	4604746	COOLING FAN, 24VDC, 2424	
B	4605506	SSR, 50A, 1 POLE	
C	4605923	BLOWER MOTOR DRIVER	
D	369856	STANDOFF, MALE SNAP-IN	
E	4604751	POWER SUPPLY	
F	2320700	FUSE BLOCK, 20A 600V, CHASSIS MOUNT	
G	4604369	DUAL VOLTAGE CONTROL BOARD	
H	4600840	WIRE SADDLE FOR .188"	
I	CK4608303	I/O BOARD LINCOLN 1st S/N 2301100100336	
J	4606033	FUSE, 4A 600V	
NOT SHOWN	4607696	BLOWER MOTOR CHOKE	
NOT SHOWN	4605293	WIRING HARNESS CTRL BOX ELECTRIC DOMESTIC	
NOT SHOWN	4605294	WIRING HARNESS RIGHT ELECTRIC DOMESTIC	
NOT SHOWN	4605295	WIRING HARNESS BACK ELECTRIC DOMESTIC	

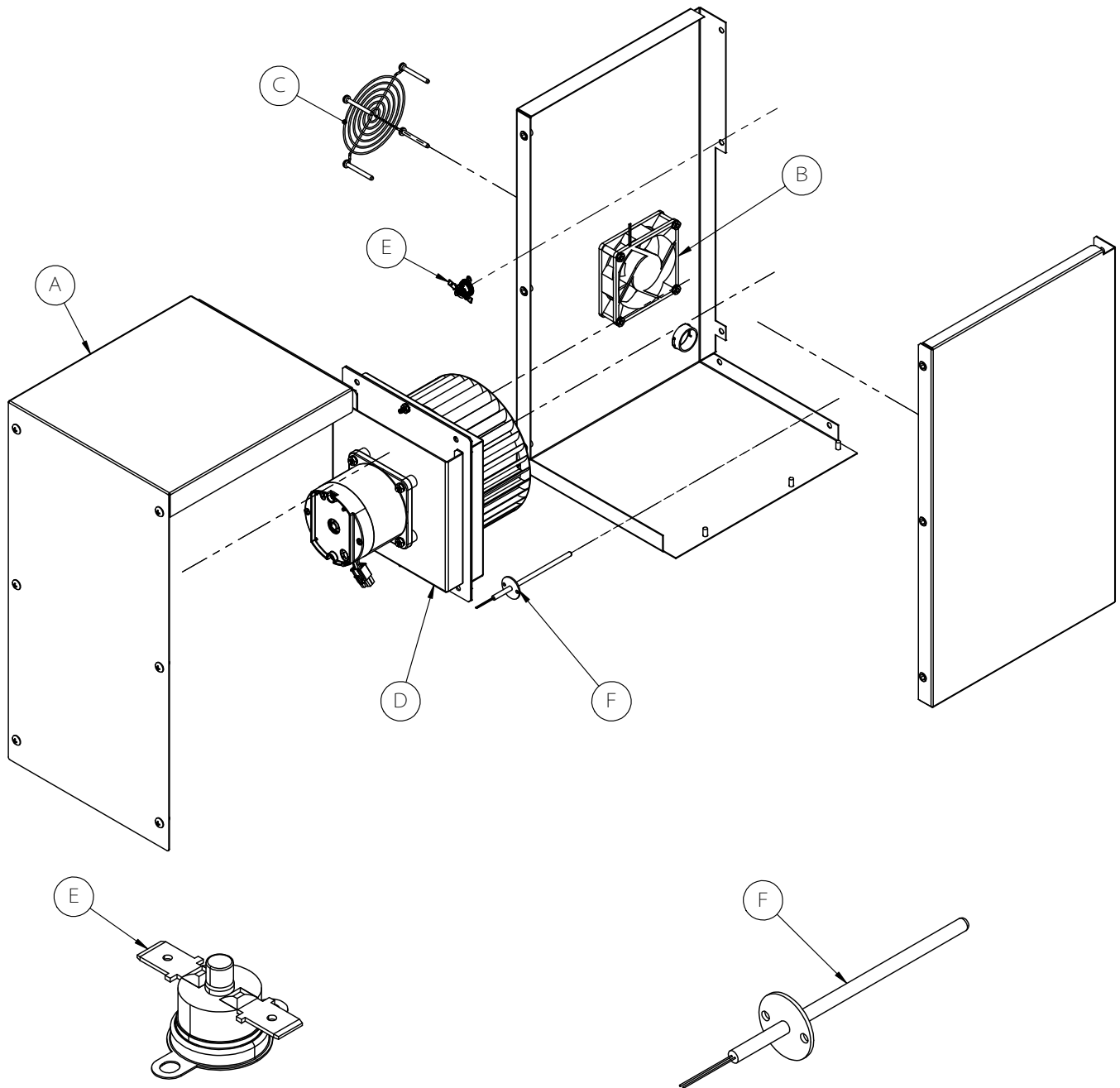
COMPONENT PANEL - GAS



COMPONENT PANEL - GAS

LETTER	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A	4604746	COOLING FAN, 24VDC, 2424	
B	4605506	SSR, 50A, 1 POLE	
C	4605923	BLOWER MOTOR DRIVER	
D	369856	STANDOFF, MALE SNAP-IN	
E	4604751	POWER SUPPLY, 24V	
F	2320700	FUSE BLOCK, 20A 600V, CHASSIS MOUNT	
G	4606033	FUSE, 4A 600V	
H	CK4608303	I/O BOARD LINCOLN 1ST S/N 2301100100336	
I	4600840	WIRE SADDLE FOR .188"	
NOT SHOWN	4607696	BLOWER MOTOR CHOKE	
NOT SHOWN	4608356	WIRING HARNESS DC 2424 GAS DOMESTIC	
NOT SHOWN	4608357	WIRING HARNESS AC 2424 GAS DOMESTIC	
NOT SHOWN	4608358	WIRING HARNESS LEFT TOWER 2424 GAS DOMESTIC	

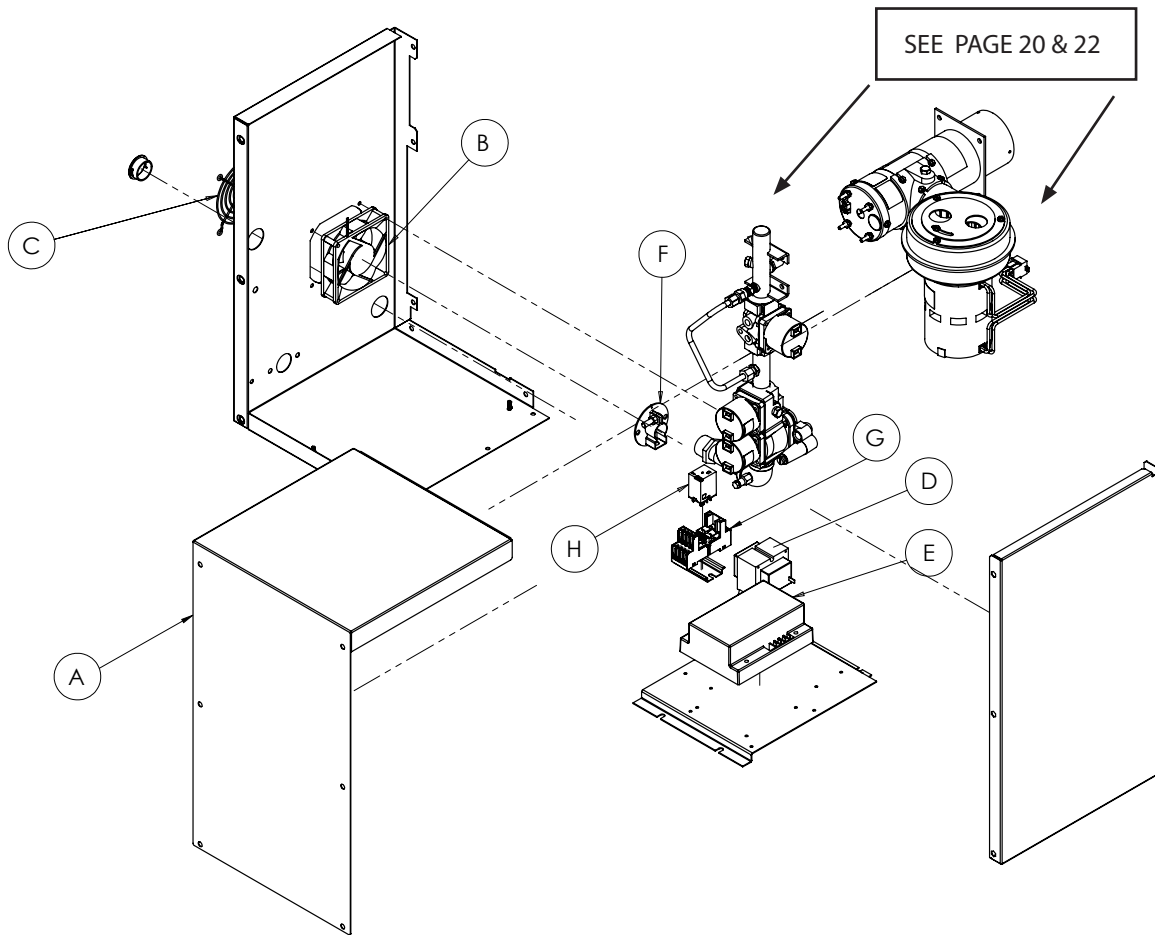
LEFT CONTROL BOX - ELECTRIC



LEFT CONTROL BOX - ELECTRIC

LETTER	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A	4606217	COVER, SIDE, CORNER, CONTROL BOX	
B	4604746	COOLING FAN, 24VDC, 2424	
C	4604757	GUARD, FAN	
D	CK4605340	FAN MOTOR ASSEMBLY	
E	4605622	THERMAL DISCONNECT	
F	4603578	THERMOCOUPLE	

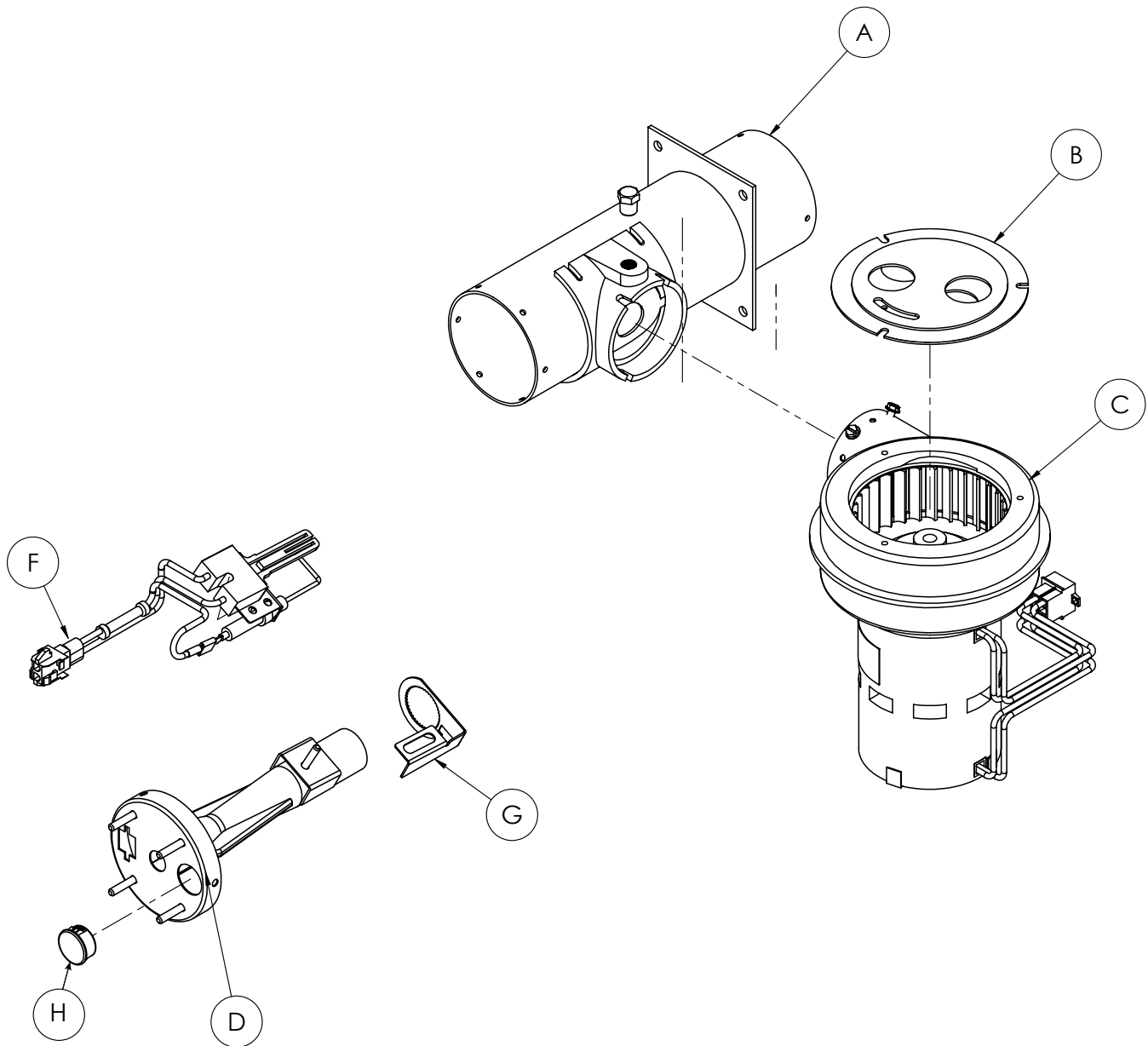
LEFT CONTROL BOX - GAS



LEFT CONTROL BOX - GAS

LETTER	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A	4607515	COVER, SIDE, CORNER	
B	4604746	COOLING FAN, 24VDC, 2424	
C	4604757	GUARD, FAN	
D	9900250	TRANSFORMER OVEN	
E	369532	IGNITOR CONTROL	
F	371539	BULK HEAD ASSEMBLY	
G	4608479	RELAY BASE	
H	4608478	RELAY - DPDT 10A, 24VAC COIL	

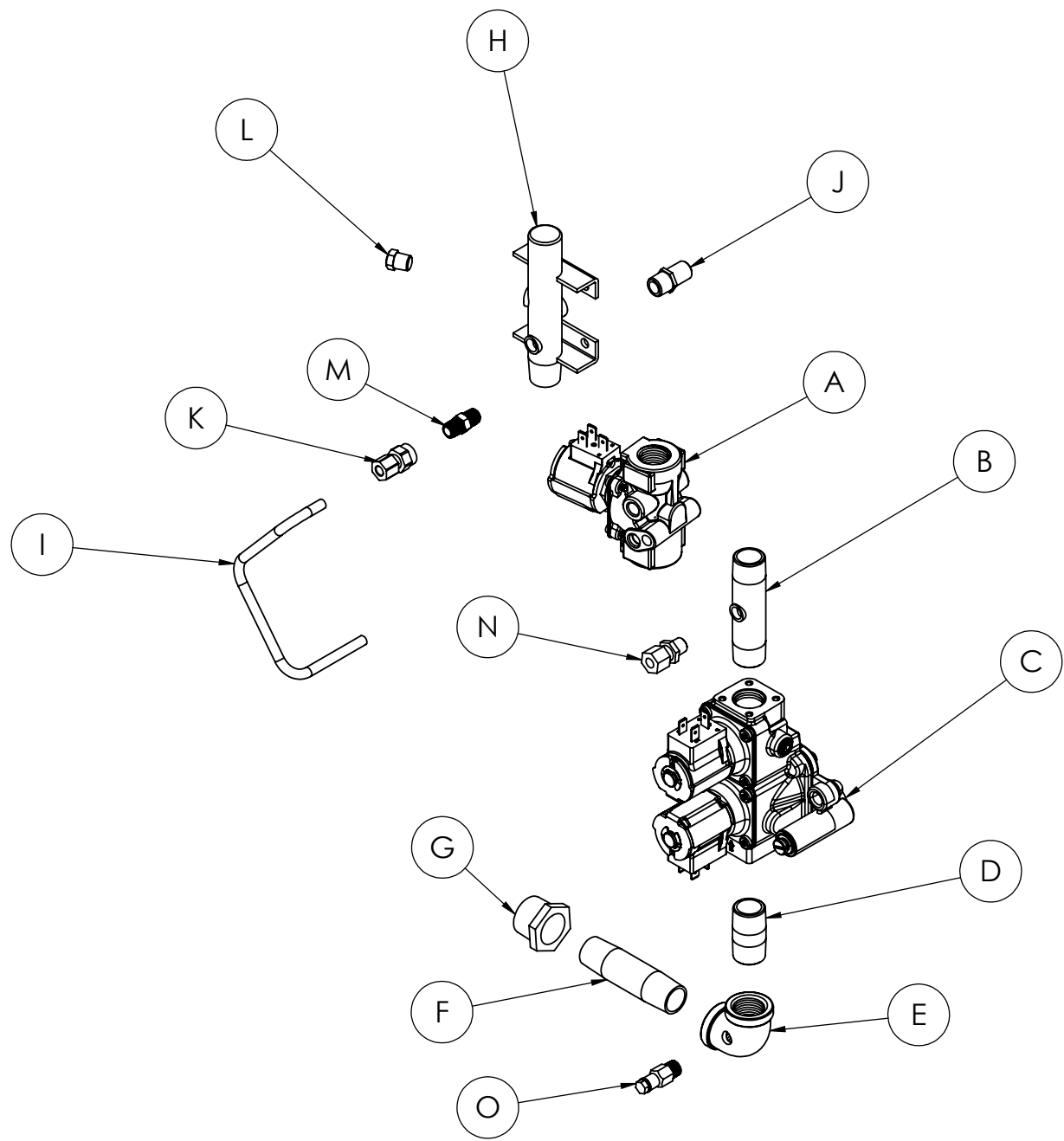
BURNER ASSEMBLY



BURNER ASSEMBLY

LETTER	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A	369662	BURNER TUBE ASSY	
B	369399	AIR SHUTTER, BURNER	
C	4071242	BLOWER MOTOR ASSY DOMESTIC FASCO	
D	369568	VENTURI ASSEMBLY, NAT	
F	369552	HOT SURFACE IGNITOR W/FLAME SENSOR	
G	4608261	VENTURI RING BRACKET	
H	390131	SNAP BUSHING HEYCO WP-7050 E-FLOW	
NOT SHOWN	370304	H.S.I. CONNECTOR KIT	

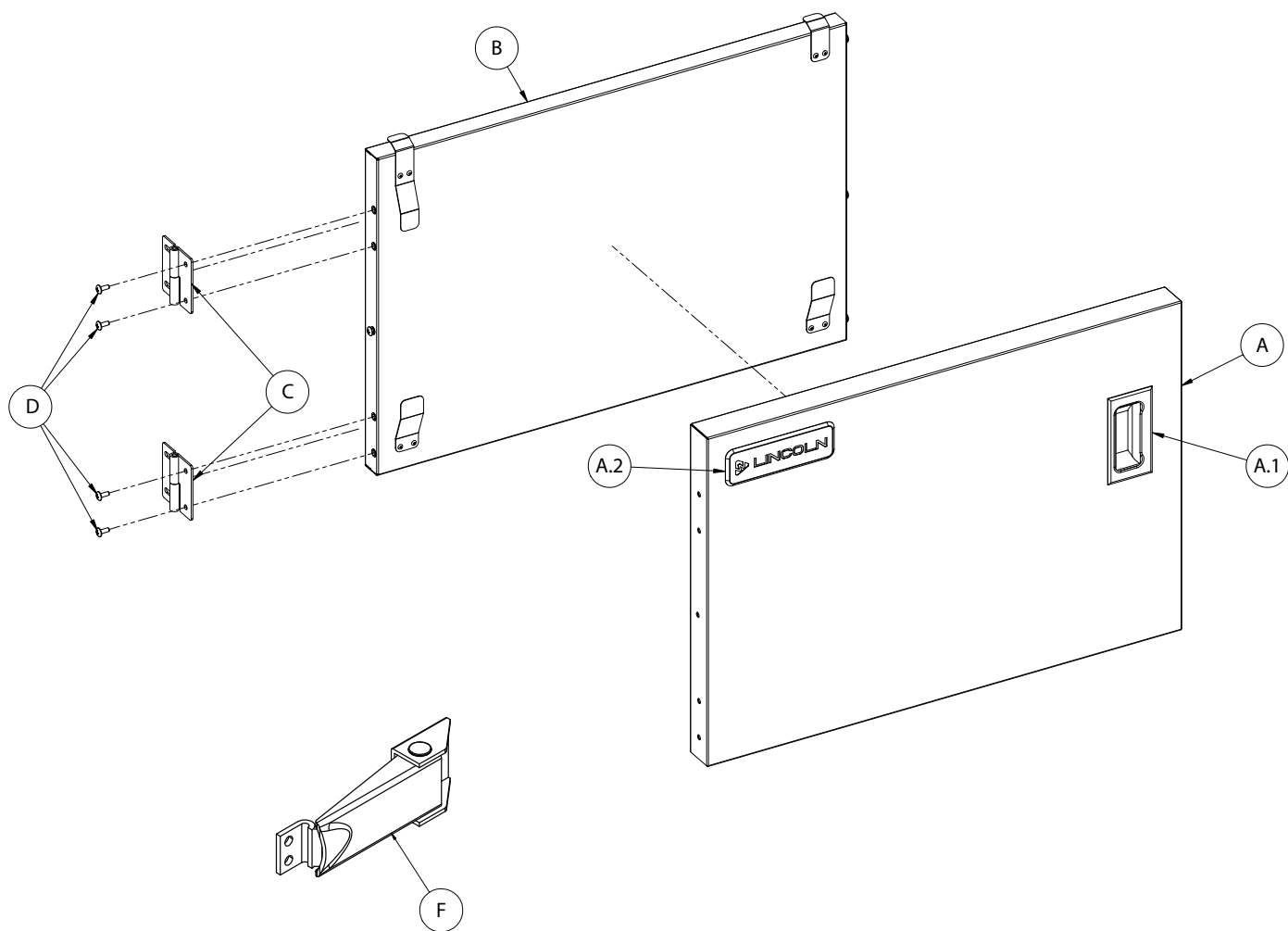
TRAIN ASSEMBLY - GAS



TRAIN ASSEMBLY - GAS

LETTER	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A	369398	VALVE, AUTO. L.P. /NAT H91 DA-7D	
B	G01477-13	NIPPLE 1/2 NPT X 3 E-FLOW	
C	369263	G96H JOHNSON CONTROL VALVE G96HGA-4D	
D	369974	NIPPLE B.I. 1/2 CLOSE	
E	369559	ELBOW 1/2 NPT 90 B.I. E-FLOW	
F	2614013	NIPPLE 1/2 NPT X 3 IN	
G	369971	REDUCER NPT 3/4M – 1/2F EXPORT IMPINGER OVENS	
H	4070523	ORIFICE MANIFOLD PGCD	
I	4606242	TUBE BYPASS LO PROFILE OVENS	
J	369757	MAIN ORIFICE .136/3.45MM NAT GAS	
K	369577	CONNECTOR FEMALE 1/4 TUBE X 1/8 NPT	
L	4071188	1/8 NPT PLUG E-FLOW OVENS	
M	4607570	BRASS FLOW CONTROL ORFICE .052"	
N	2601109	COMPRESSION FITTING 1/4 OD TUBING X 1/8 NPT	
O	02250	PRESSURE TEST SPIGOT	

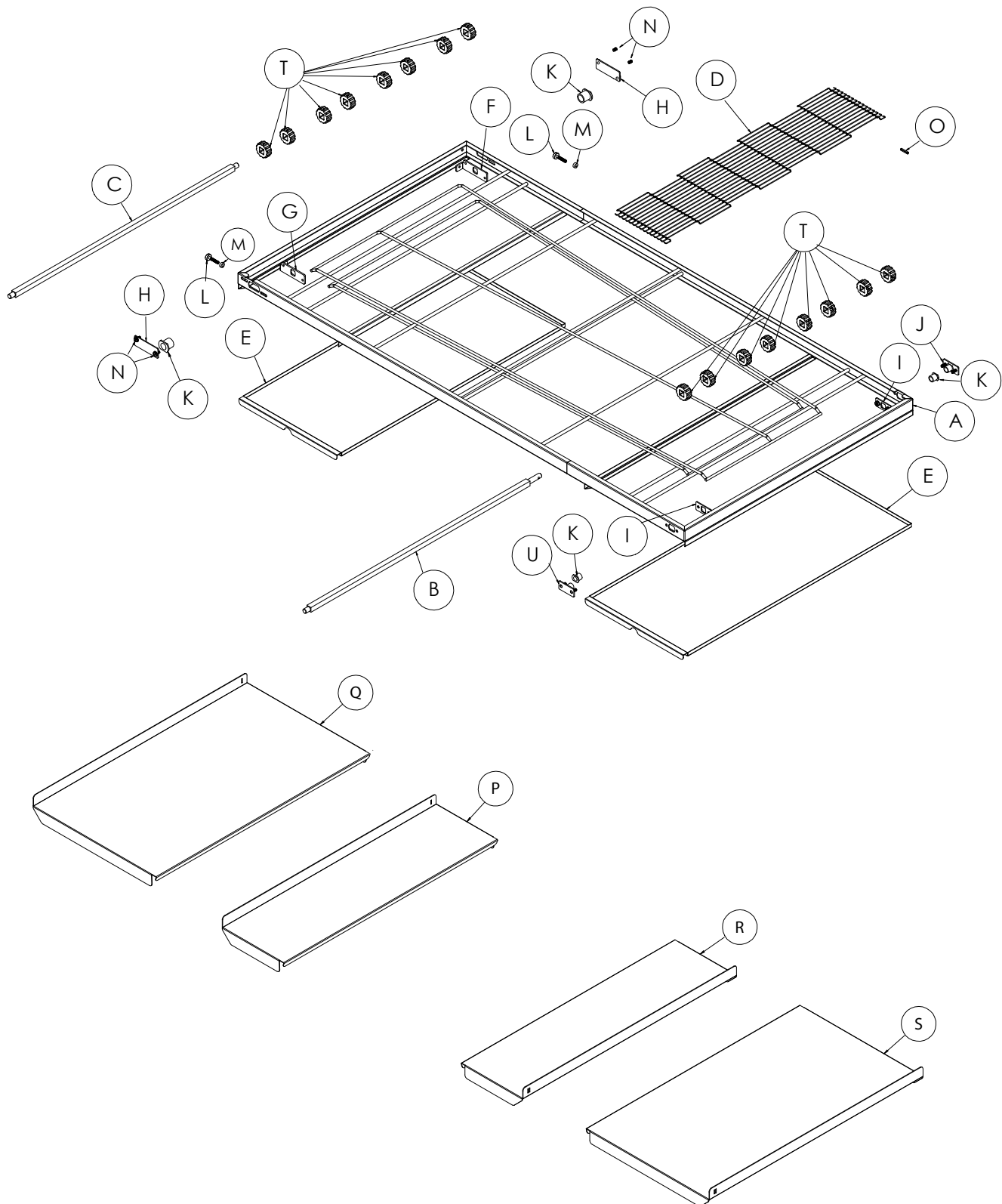
DOOR ASSEMBLY



DOOR ASSEMBLY

LETTER	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
A	CK4605377	COVER, OUTER DOOR (INCLUDES A.1 AND A2)	
A.1	08108	HANDLE DOOR LIFTOFF SST WITH #10 NUTS	
A.2	370016	NAMEPLATE IMPINGER	
B	CK4605374	DOOR SUB-ASSEMBLY	
C	4605861	DOOR HINGE 2424	
D	8003128	#10-24 X 1/2IN PHILLIPS	
F	369501	LATCH & CATCH	

CONVEYOR ASSEMBLY



CONVEYOR ASSEMBLY

LETTER	PART NUMBER	DESCRIPTION	CRITICAL / RECOMM.
	CK4605743	COMPLETE CONVEYOR ASSEMBLY	
A	4605386	FRAME ASSY	
B	4605747	DRIVE SHAFT	
C	4605748	IDLE SHAFT	
D	4605744	BELT, CONVEYOR	
E	4605384	CRUMB TRAY	
F	4605920	BRACKET ADJ LH	
G	4605757	BRACKET ADJ RH	
H	4605756	COVER PLATE IDLE SHAFT	
I	4605753	PLATE BUSHING DRIVE SHAFT	
J	4605749	STUDS PLATE W/HOLES	
K	4605752	FLANGED SLEEVE BEARING MODIFIED	
L	4605754	10-32 X 1 KNURLED HEAD THUMB SCREW SS	
M	4605755	SPACER	
N	4605772	10-32 X 3/8 FLANGE SCREW	
O	4605773	SLOTTED SPRING PIN	
P	4605442	TRAY LOADING SHORT	
Q	4605441	TRAY LOADING LONG	
R	4605444	TRAY OFFLOADING SHORT	
S	4605443	TRAY OFFLOADING LONG	
T	369515	SPROCKET 12 TOOTH	
U	4605751	ASSY BRACKET BUSHING O.S CONVEYOR	
NOT SHOWN	CK4608265	SPLICE CLIP, .050 DIA WIRE	

