



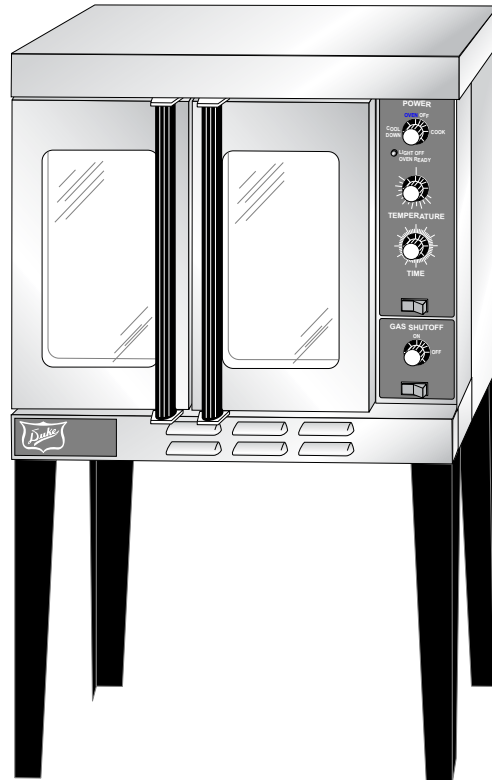
Your Solutions Partner

GAS CONVECTION OVEN

MODELS

6/13 OVEN
E SERIES

Illustrated Parts List



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How to Determine Manufacture Date from Duke Equipment Serial Numbers

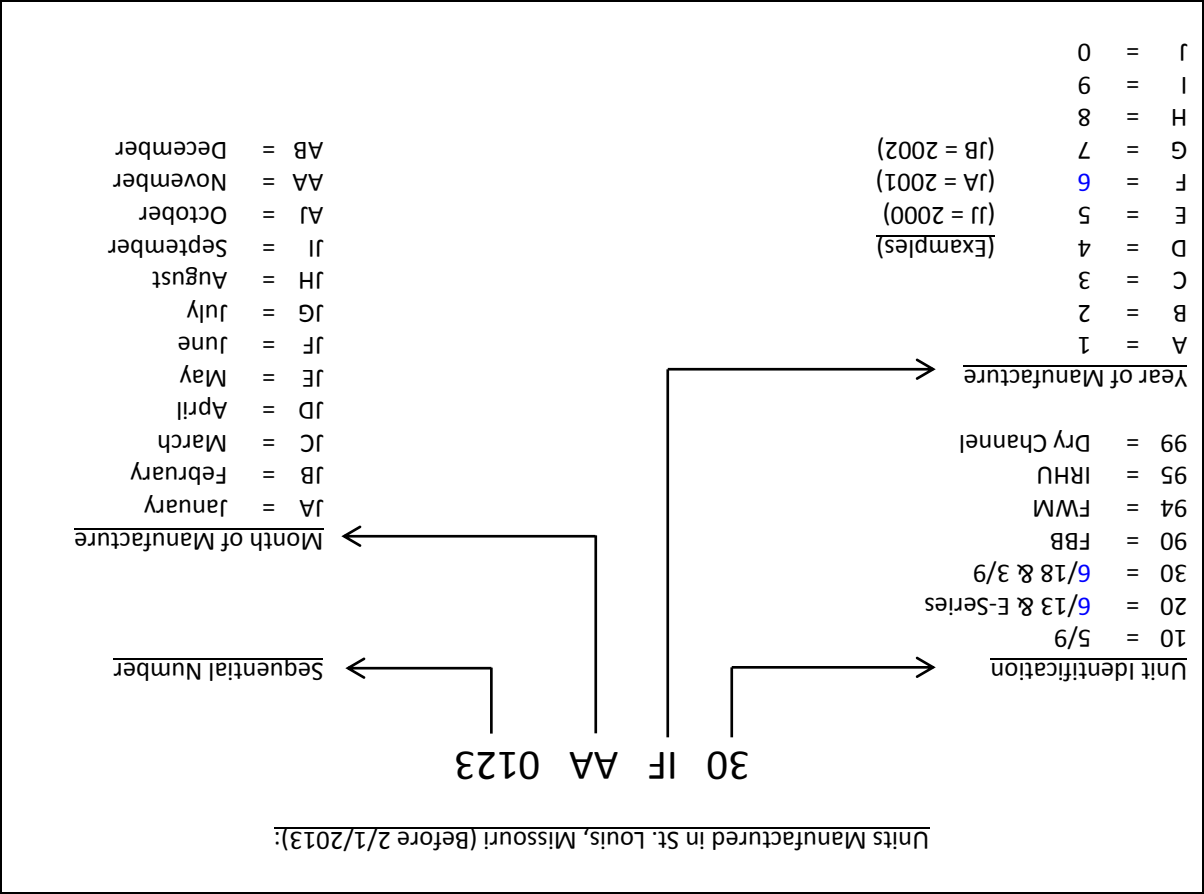
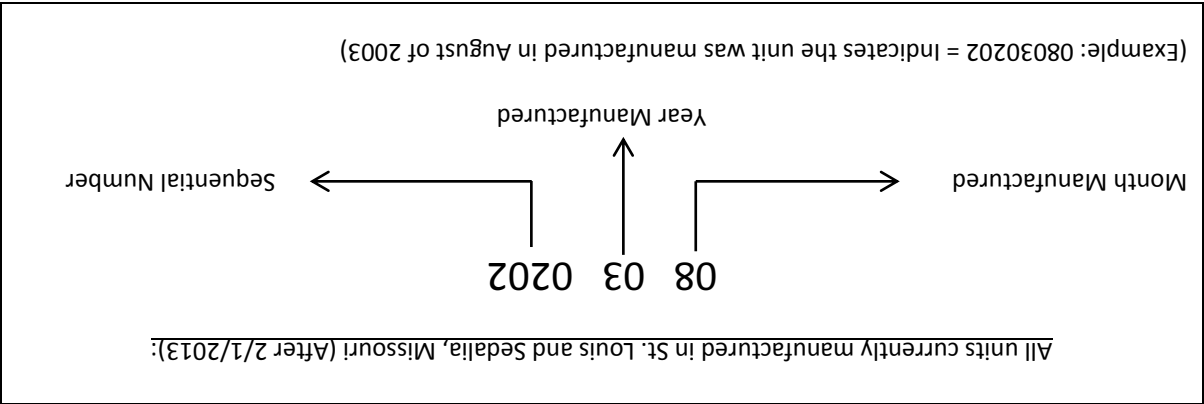


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6/13 THE OVEN, “E” SERIES, DOUBLE DOOR UNITS

Location	Part Number	Description	Qty.
	613-E1VS	613-E1V Duke Convection.	1
1	153018	Duct Flue (1056) 613 & DCO	1
2	153075	Trim, Flue Standard	1
3	153512	Assembly, Rack Std. Depth 613	1
4	153230	Rack, Oven Std. 613/E101	6/5
5	153229	Rack, Support Oven	2
3	153513	Assembly, Rack E-101	1
4	153231	Rack, 6/13, Deep Depth	6/5
5	153229	Rack, Support Oven	2
6	155827	Assembly, Motor, 2 Speed, Gas	1
	153034	Motor, ½ HP, 100-115/200-230V 1-speed	1
7	153027	Burner, Oven, Left Assembly (Not Shown)	1
	153388	Burner, Oven, Right Assembly (Not Shown)	1
	153641	Pilot Burner/Igniter Assembly, Natural Gas	1
	153642	Pilot Burner/Igniter Assembly, Propane Gas	1
	153154	Orifice, Burner #44 Natural – Standard Depth	2
	153155	Orifice, Burner #55 Propane – Standard Depth, LH	1
	153010	Orifice, Burner #57 Propane - Standard Depth, RH	1
	153359	Orifice, Burner #43 Natural – Deep Depth	2
	153360	Orifice, Burner #54 Propane – Deep Depth	2
	153177	Probe, “X”, “XX”, “Z”, “ZX” Models	1
Not Shown	600432	Kit, Orifice Reduction, Propane - Standard Depth	1
8	153115	Grommet	1
9	153073	Vent Flue (1027)	1
10	153446	Finishing Piece, Top Assembly RL	1
11	153045	Finishing Piece, Bottom Assembly Gas/Electric	1
12	153357	Block, Power Distribution	1
13	147963	Holder, Lamp	1
14	156029	Bulb, Light, 40W	1
15	153092	Gasket, Light Box	1
16	153579	Frame for Glass	1
17	153089	Glass Light	1
18	153499	Control, Digital Time/Temp, X 2-Button	1
	153564	Control XX	1
	153150	Control, Digital Time/Event, Z, 12-Button	1
	153481	Control ZX	1
	153134	Mylar, Control Panel “V” Model, 2 Button	1
	153758	Mylar, Control Panel “X” Model	1
	153566	Mylar, Control Panel “XX” Model	1
	153138	Mylar, Control Panel “Z” Model	1
	153482	Mylar, Control Panel “ZX” Model	1
	155363	Mylar, Control Panel E-Series	1
	153139	Mylar Panel, Lower 6/13 Model	1
	153362	Mylar Panel, Lower Gas Panel E-Series	1

Table: PL-1 6/13 The Oven, “E” Series, Double Door Units

6/13 THE OVEN, "E" SERIES, DOUBLE DOOR UNITS (CONT'D.)

Location	Part Number	Description	Qty.
19	154377	Control, Interface Control Board, ZZ (Not Shown)	1
20	153156	Contactor, 50Amp. 3-Pole 208/240V	1
	153159	Contactor, 60Amp. 2-Pole , 208/240V	1
21	153114	Microswitch, Door	1
22	155904	Assy, Actuator, Door Switch	1
23	153440	Door Assembly 6/13, Solid Left 50/50	1
	153441	Door Assembly 6/13, Solid Right 50/50	1
	153434	Door Assembly 6/13 w/Glass, Left 50/50.	1
	153442	Door Assembly 6/13, w/Glass, Right 50/50	1
	153462	Door Assembly 6/13, w/Glass, Left 65/35	1
	153285	Door Assembly, Solid Right 65/35	1
24	153161	Bearing, Thrust, 5/8" ID x 1" OD x 1/8"	AR
25	147467	Bearing, Thrust, 5/8" ID x 1" OD x 1/16"	AR
26	153056	Bearing, Door	4
27	153074	Flue Extension	1
28	153233	Stacking Bracket	1
29	147355	1/4-20 Hex Nut	2
30	153241	Plate, Mounting Assy, Left	1
31	387350	Washer, 1/4 Lock Split, Pltd	2
32	153202	Spacer, Door Shaft	1
33	273700	Screw, 1/4-20 x 3/4" Hex Hd Bolt	2
34	153253	Painted Legs, 27"	4
	FC01S	Set of 4 – Bullet Feet	1
Not Shown	153067	Insert, Adjustable Foot	4
Not Shown	153122	Valve, Manual Shut Off	1
Not Shown	153123	Handle, Valve, Manual Shut Off	1
Not Shown	155815	O-Ring, .063 ID x .078 THK (for 153122 Valve)	1
Not Shown	153618	Harness, Motor/Gas Cabinet 613	1
Not Shown	155385	Conversion Kit, Natural Gas to LP, Deep Depth	1
Not Shown	155386	Conversion Kit, LP to Natural Gas, Standard Depth	1
Not Shown	155387	Conversion Kit, Natural Gas to LP, Standard Depth	1
Not Shown	600107	Kit, Gas Valve Combo	1

Table: PL-1 6/13 The Oven, "E" Series, Double Door Units (Cont.)

6/13 THE OVEN, "E" SERIES, DOUBLE DOOR UNITS

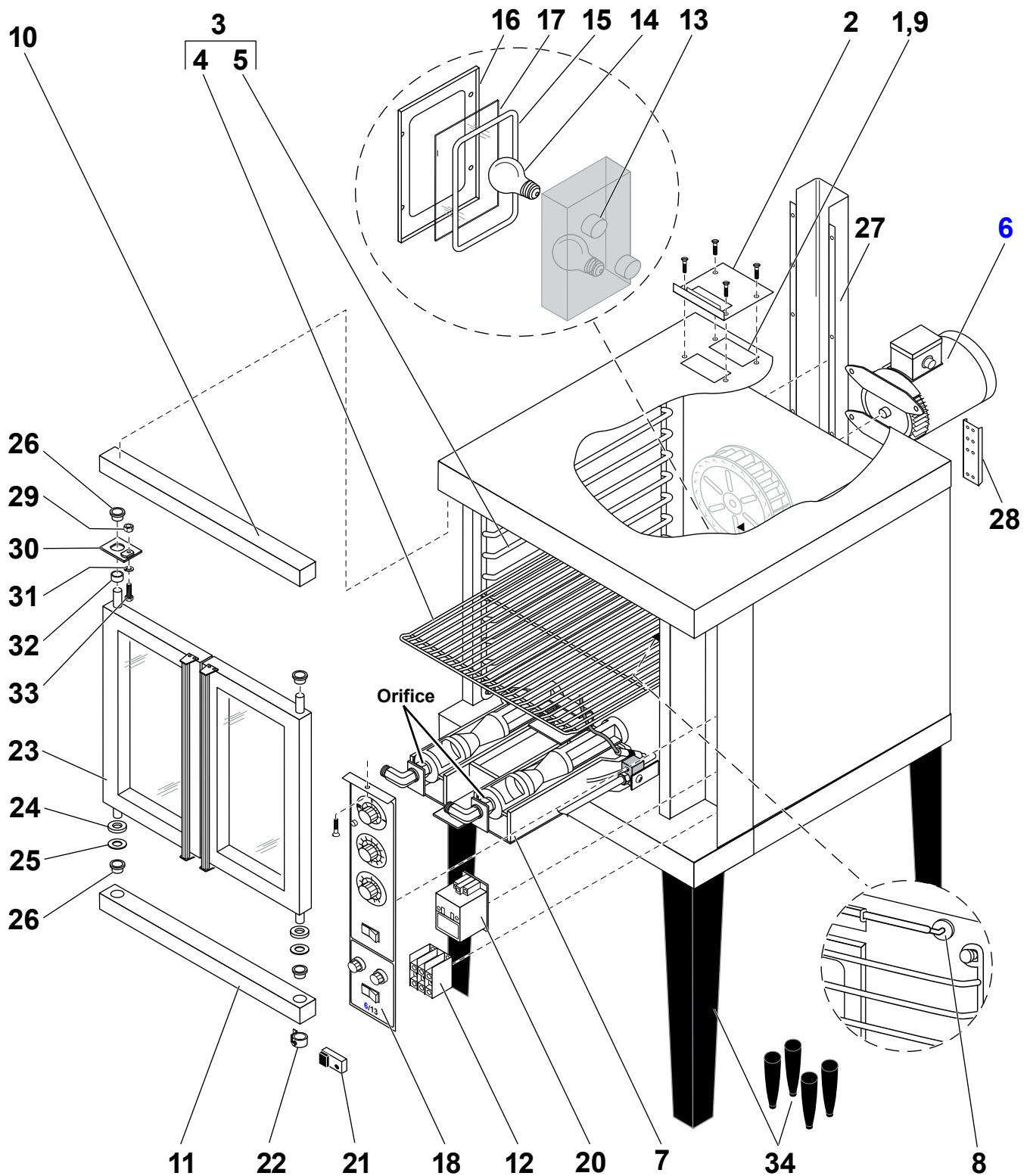


Figure: PL-1 6/13 The Oven, "E" Series, Double Door Units

DOOR ASSEMBLY (65/35 DOOR UNITS)

Location	Part Number	Description	Qty.
1	145274	Link, Master	4
2	147355	1/4-20 Hex Nut	2
3	147368	1/4-20 Hex Nut, LH Thread	2
4	147407	Washer, Lock, External Tooth	4
5	147753	Turnbuckle, 1/4-20	2
6	153107	Rod, Connecting (Long)	1
7	153108	Rod, Connecting (Short)	2
8	153234	Chain, Door	2
9	153235	Rod, Door Stop Assy	1
10	153237	Chain, Door Assembly	1
11	153461	Door Assy, Left Solid, 65/35	1
	153462	Door Assy, Left w/Glass, 65/35	1
Not Shown	153468	65/35 Door LT w/Glass "Kit"	1
12	153285	Door Assy, Right, Solid, 65/35	1
13	153446	Finish Piece, Top Assy 613 RL	1
14	147254	Screw, #10x1/2" PN PH ZP-Tek	2

Table: PL-2 Door Assembly (65/35 Door Units)

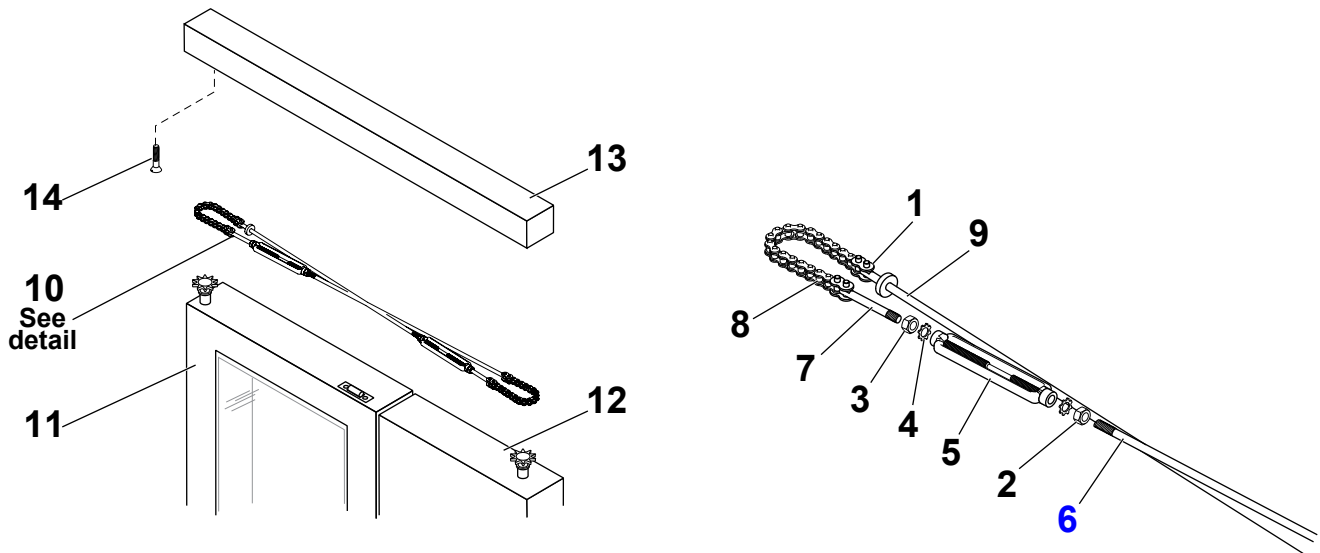


Figure: PL-2 Door Assembly (65/35 Door Units)

REAR MOUNTED FAN MOTOR & HEATERS

Location	Part Number	Description	Qty.
1	155827	Assembly, Motor, 2 Speed, Gas	1
	153034	Motor, ½ HP, 208/240V, 1-Speed	1
Not Shown	153367	Blower Assembly, Gas, 2-Speed	1
Not Shown	153464	Blower Assembly, Gas, 1-Speed	1
2	153174	Spacer, Motor Mount, 1" Long	4
3	147304	Bolt, Tap ¼-20 x 2, HX, ZP GRB	4
4	147355	Nut, ¼-20 Hex, ZP	12
5	0387350	Washer, ¼ Lock Split, Plated	4
6	153093	Fan Revolution Corr. 9.875 D x 2.125 Thick	1
7	155115	Set Screws, ¼-20 x 1/2" KNL Thumb	4
8	153000	Fan Motor Mounting Plate	1

Table: PL-3 Rear Mounted Fan Motor & Heaters

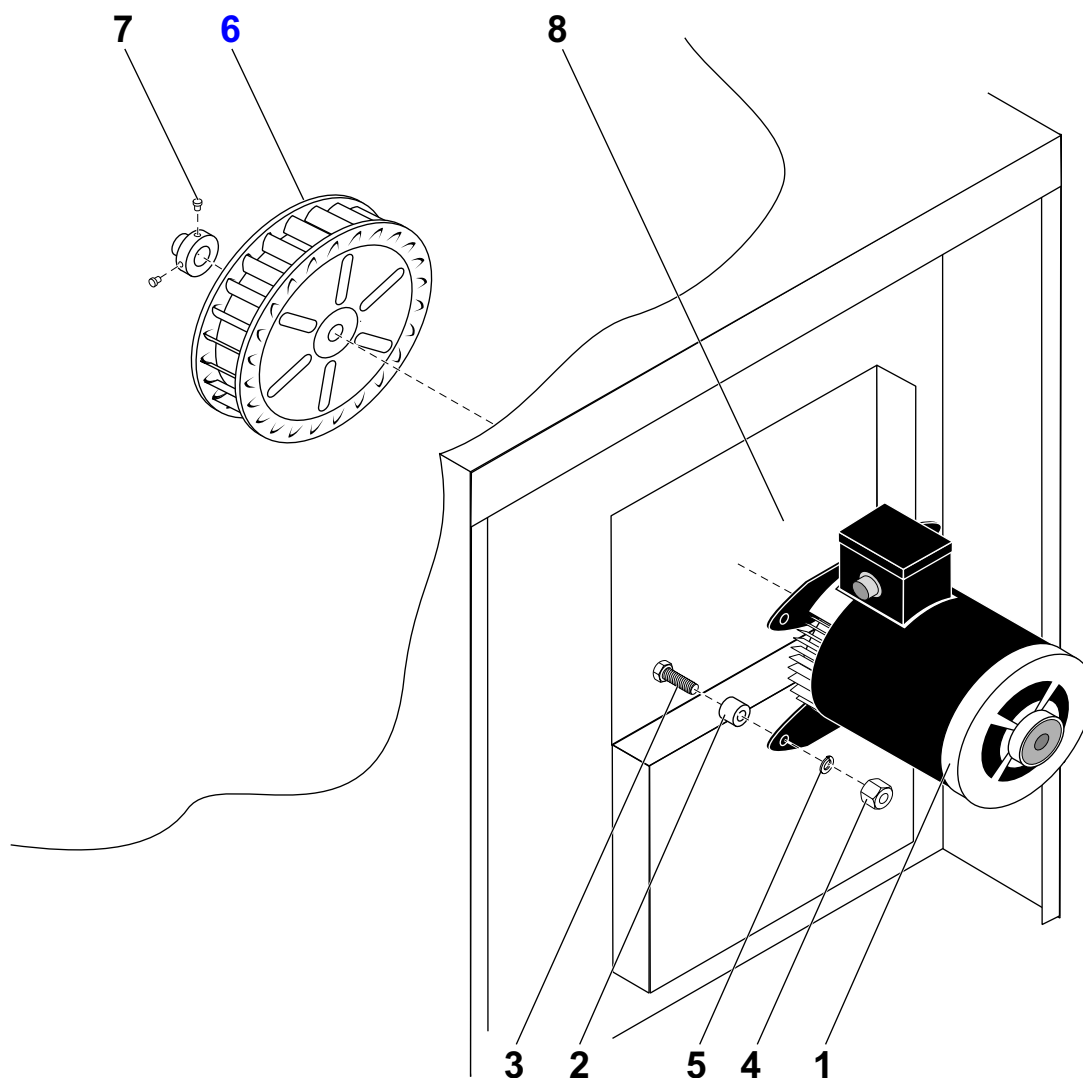


Figure: PL-3 Rear Mounted Fan Motor & Heaters

“X” CONTROL PANEL ASSEMBLY FOR 6/13 SERIES

Location	Part Number	Description	Qty.
1	600541	Kit, 3 Position Rotary Switch	1
2	153485	Assembly, Probe, Temp, RTD, for 6/13 only	1
	153177	Probe, Temp, RTD, for 6/13 model	1
*3	153499	X Controller *(No Longer Available)	1
4	153760	Panel, Control, for 6/13 model	1
5	547333	Screw, 10-24 x 5/8" PN PH ZP-T	1
*6	615758	Mylar, Panel-X for 6/13 model	1
	155314	Mylar, Digital Com 6000 for 5/9 model	1
7	153142	Knob, Control	1
8	153204	Light, Oven ready, 240V	1
9	153144	Switch, HI/ LOW SPDT Fan	1
10	153200	Fuse Holder, BK / HPG EE	2
11	153201	Fuse, 10 Amp Time Delay	2
12	153146	Switch, Light SPST 15A 125 for 6/13 model only	1
13	153140	Mylar, Electric 6/13 Label for 6/13 model only	1
14	153766	Knob Control Digital	2
15	155358	Lock Nut, 6/32, Nylon Insert	4

* NOTE : Part No. 153499 & 615758 are no longer available. In its place order Part No. 600139 or 600140.

Table: PL-4 X Control Panel Assembly for 6/13 Series

“X” CONTROL PANEL ASSEMBLY FOR 6/13 SERIES

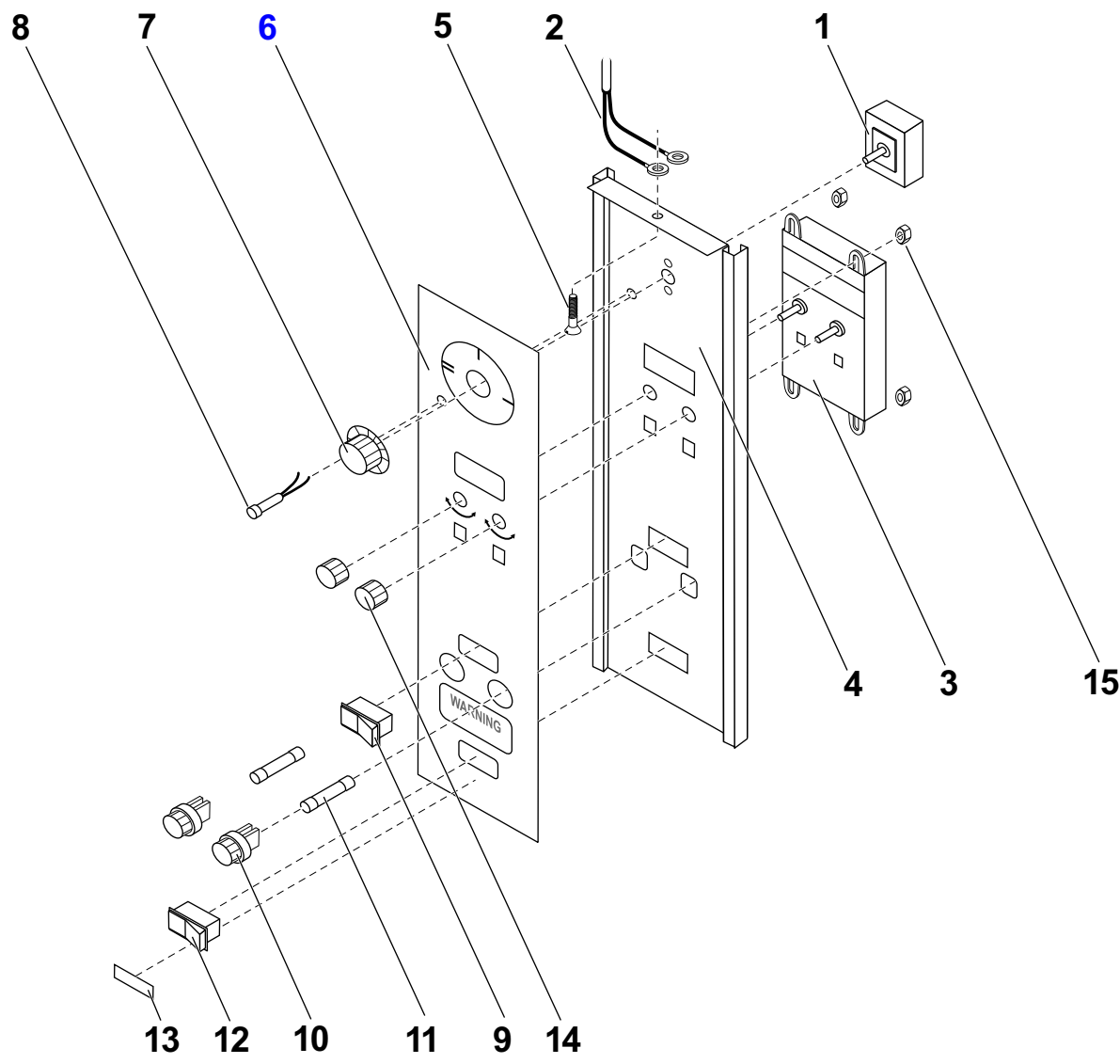


Figure: PL-4 X Control Panel Assembly for 6/13 Series

“XX” CONTROL PANEL ASSEMBLY 6/13 SERIES

Location	Part Number	Description	Qty.
1	600541	Kit, 3 Position Rotary Switch	1
2	153177	Probe, Temp RTD for 6/13 model	1
3	153564	XX Controller	1
4	153569	Panel Control for 6/13 model	1
5	547333	Screw, 10-24 x 5/8 PN PH ZP-T	1
6	153566	Mylar, Panel-XX, for 6/13 model	1
7	153142	Knob, Control	1
8	153204	Light, Oven Ready, 240V	1
9	153144	Switch, 2-Speed Fan	1
10	153200	Fuse Holder, BK / HPG EE	2
11	153201	Fuse, 10 Amp Time Delay	2
12	153146	Switch, Light SPST 15A 125 for 6/13 model only	1
13	153140	Mylar, Electric 613 Label for 6/13 model only	1
14	159107	KEP. Nut, 4 - 40	4

Table: PL-5 “XX” Control Panel Assembly 6/13 Series

“XX” CONTROL PANEL ASSEMBLY 6/13 SERIES

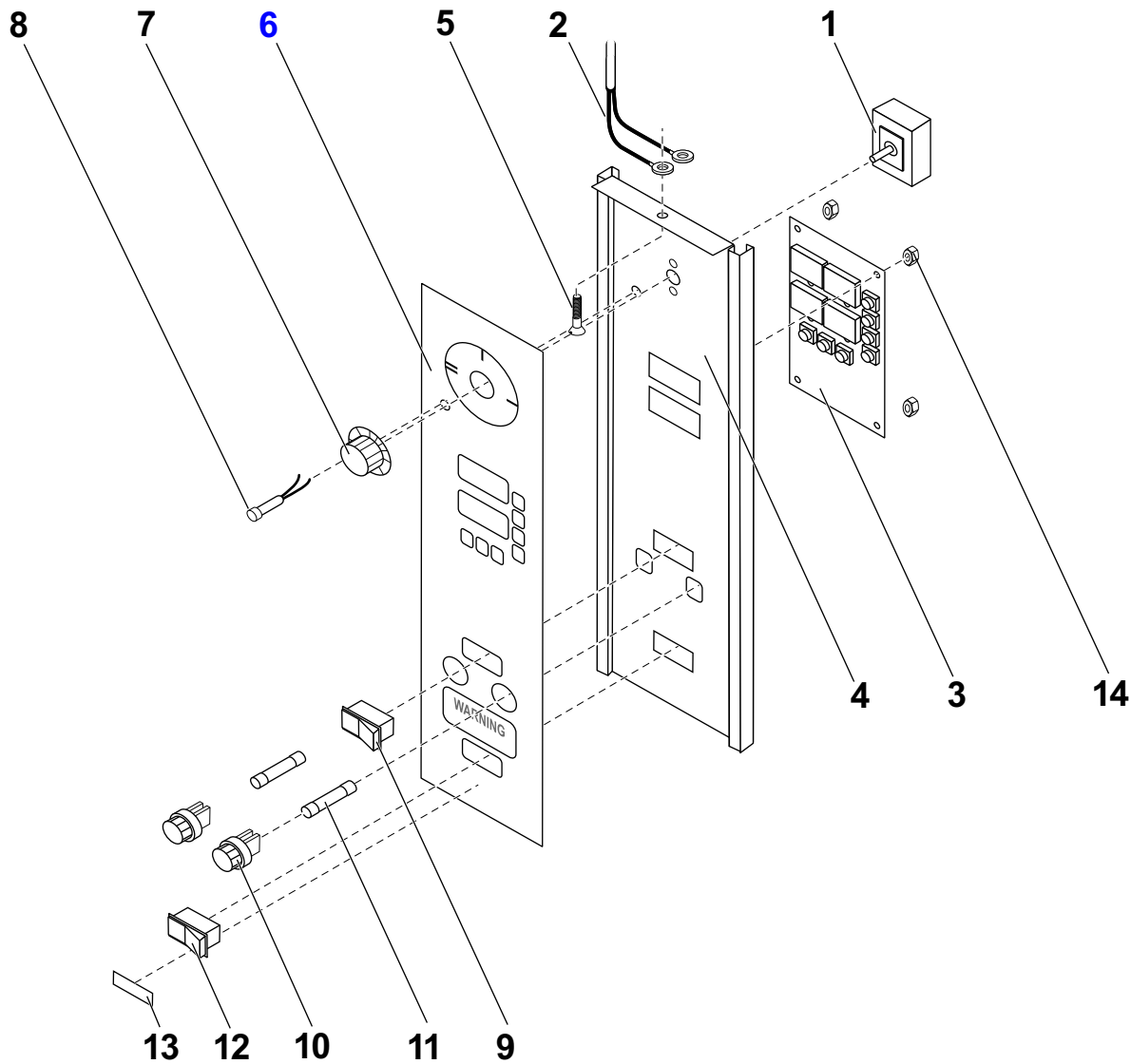


Figure: PL-5 “XX” Control Panel Assembly 6/13 Series

“Z” CONTROL PANEL ASSEMBLY 6/13 SERIES

Location	Part Number	Description	Qty.
1	600541	Kit, 3 Position Rotary Switch	1
2	153177	Probe, Temp RTD for 6/13 model	1
3	153150	Z Controller	1
4	153179	Panel Control Digital for 6/13 model	1
5	547333	Screw, 10-24 x 5/8 PN PH ZP-T	1
6	153138	Mylar, Panel- Z Control, for 6/13 model	1
7	153142	Knob, Control	1
8	153204	Light, Oven Ready, 240V	1
9	153143	Knob, Digital	2
10	153200	Fuse Holder, BK / HPG EE	2
11	153201	Fuse, 10 Amp Time Delay	2
12	153146	Switch, Light SPST 15A 125 for 6/13 model only	1
13	153140	Mylar, Electric 6/13 Label for 6/13 model only	1
14	155358	Lock Nut, 6/32 Nylon Insert	4

Table: PL-6 “Z” Control Panel Assembly 6/13 Series

“Z” CONTROL PANEL ASSEMBLY 6/13 SERIES

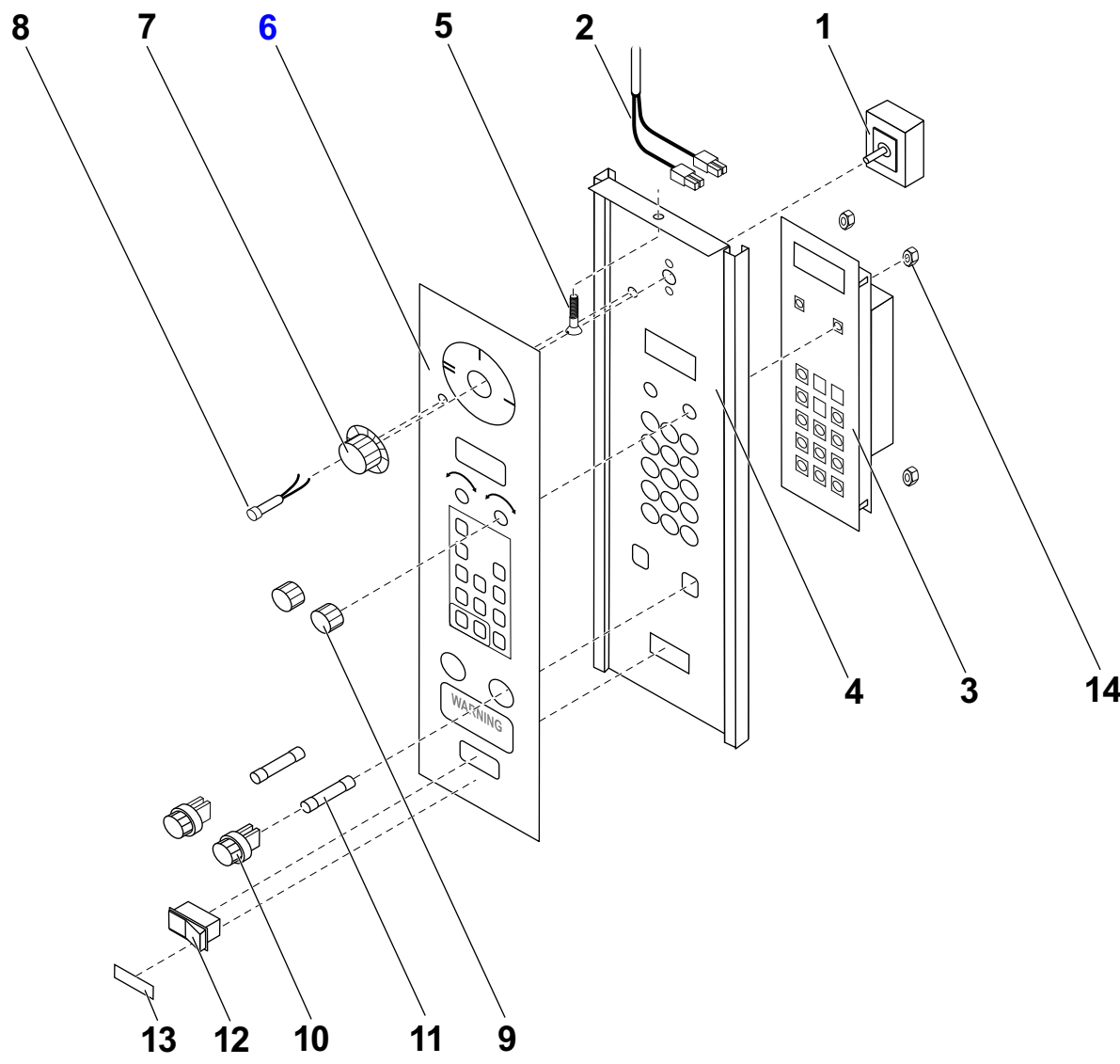


Figure: PL-6 “Z” Control Panel Assembly 6/13 Series

“ZX” CONTROL PANEL ASSEMBLY FOR 6/13 & 5/9 SERIES

Location	Part Number	Description	Qty.
1	600541	Kit, 3 Position Rotary Switch	1
2	153177	Probe, Temp RTD for 6/13 model	1
3	153481	ZX Controller	1
4	153179	Panel Control Digital for 6/13 model	1
5	547333	Screw, 10-24 x 5/8" PN PH ZP-T	1
6	153143	Knob, Digital	2
7	153482	Lexan, Panel- ZX Control, for 6/13 model	1
8	153142	Knob, Control	1
9	153204	Light, Oven Ready, 240V	1
10	153200	Fuse Holder, BK / HPG EE	2
11	153201	Fuse, 10 Amp Time Delay	2
12	153146	Switch, Light SPST 15A 125 for 6/13 model only	1
13	153140	Mylar, Electric 613 Label for 6/13 model only	1
14	155358	Lock Nut, 6/32 Nylon Insert	4

Table: PL-7 “ZX” Control Panel Assembly 6/13 & 5/9 Series

“ZX” CONTROL PANEL ASSEMBLY FOR 6/13 & 5/9 SERIES

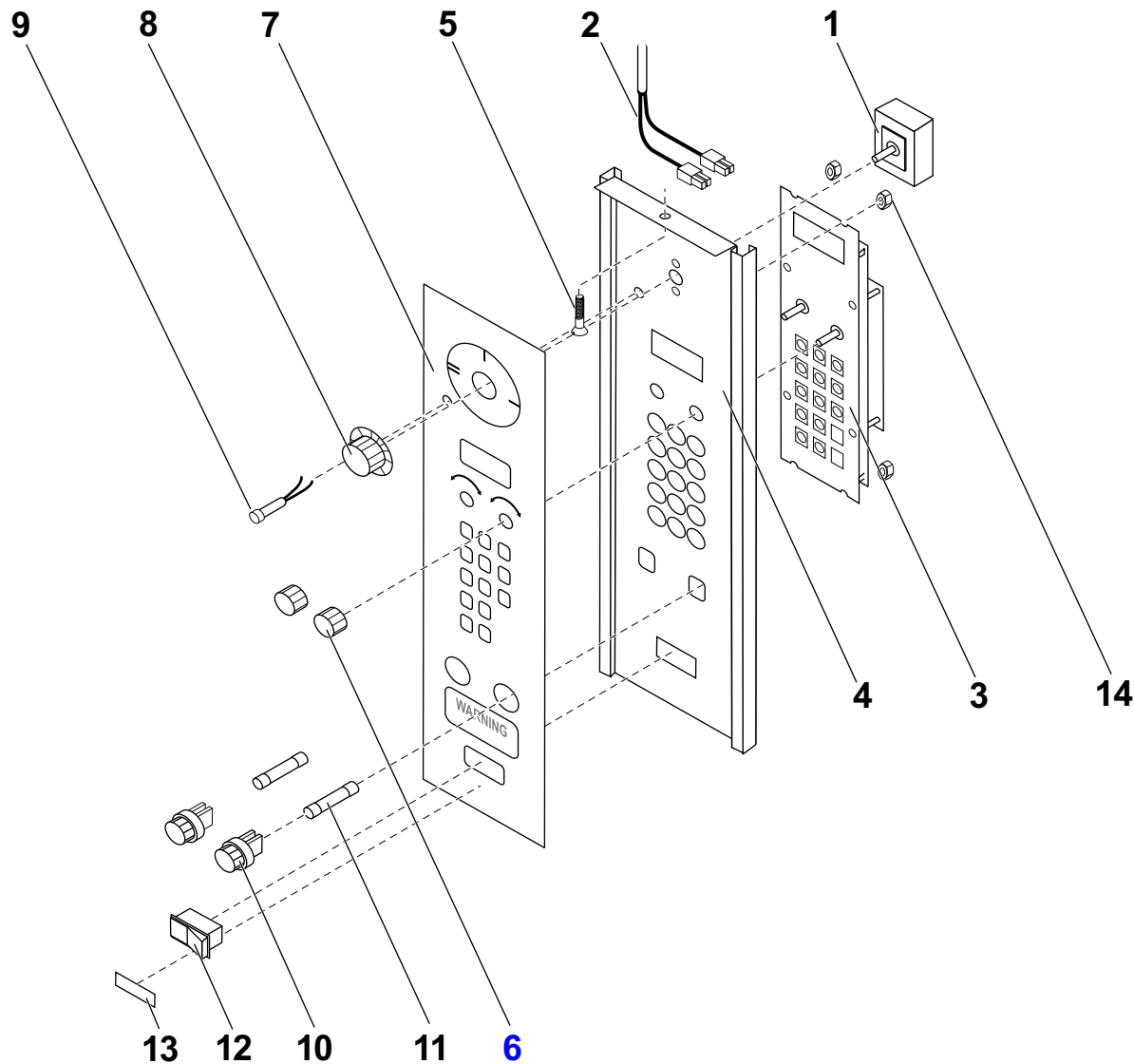


Figure: PL-7 “ZX” Control Panel Assembly 6/13 & 5/9 Series

6/13 “V” CONTROLLERS E SERIES ELECTRO MECHANICAL CONTROLLER ASSEMBLY

Location	Part Number	Description	Qty.
	153831	Assy. Control Panel E-Ser. V Elect	1
1	600541	Kit, 3 Position Rotary Switch	1
2	149403	Thermostat Electric	1
3	600304	Kit, Timer Replacement, 120V 60Hz	1
	600305	Kit, Timer Replacement, 230V 60Hz	1
	600306	Kit, Timer Replacement, 230V 50Hz	1
4	153178	Panel, Control (1067)	1
5	547333	Screw, 10-24 x 5/8" PN PH ZP-T	1
6	154075	Buzzer, 240V 6" Wire Leads	1
7	155363	Mylar, E-Series Electric	1
8	153142	Knob, Control Cook/Timer	3
9	153204	Light, Oven Ready, 240V	1
10	153144	Switch, HI/LOW SPDT Fan	1
11	153200	Fuse Holder, BK / HPG EE	2
12	153201	Fuse, 10 Amp Time Delay	2
13	153146	Switch, Light SPST 15A 125	1
14	155358	Lock Nut, 6/32 Nylon Insert	4
Not Shown	153334	Harness, Mechanical Panel, Gas	1

Table: PL-8 “ZX” Control Panel Assembly 6/13 & 5/9 Series

**6/13 “V” CONTROLLERS E SERIES
ELECTRO MECHANICAL CONTROLLER ASSEMBLY**

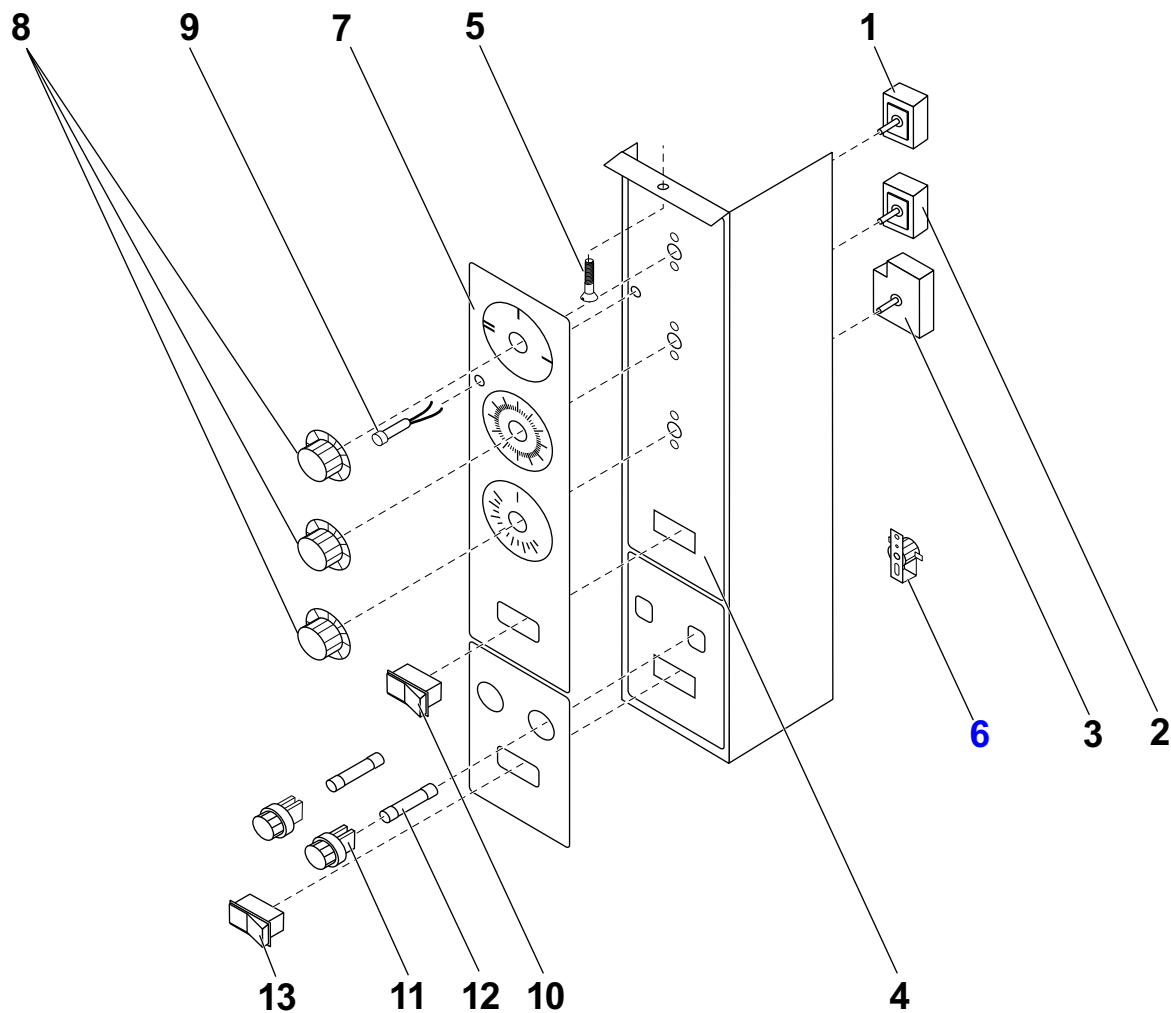
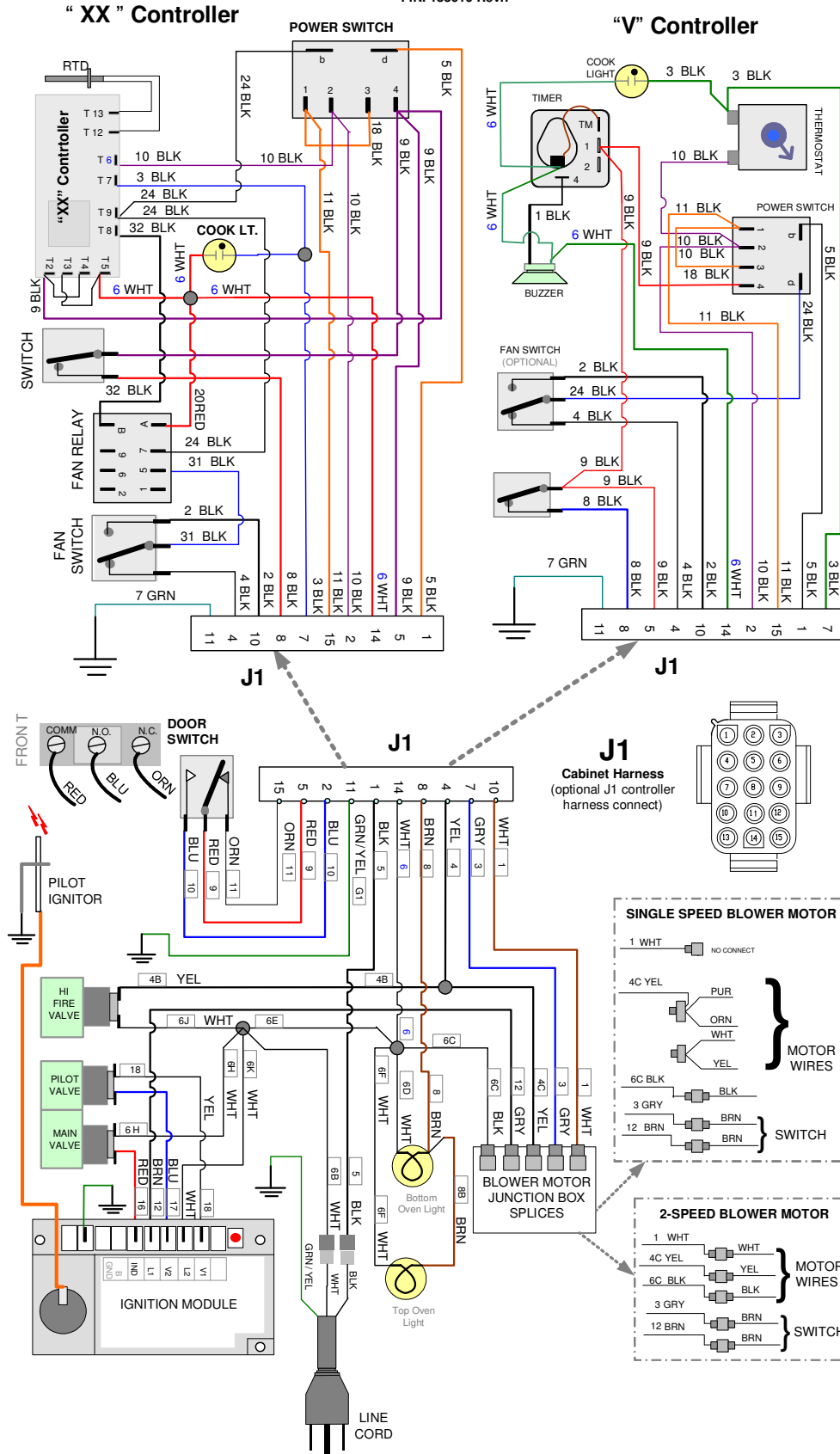


Figure: PL-8 “ZX” Control Panel Assembly 6/13 & 5/9 Series

ELECTRICAL SCHEMATIC GAS CONVECTION OVEN

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