

replaces SPL102606-PF-BD
dated October 26, 2006
and SPL082505-PF-BD
dated August 25, 2005

Parts Manual

for domestic, CE and standard export ovens

Serial Number Code:

Models w/adjustable conveyor
belt feature are serial
051471006 and higher

First Four Digits - Order Of Production
Fifth Digit - Model Specific
Sixth & Seventh Digit - Month of Production
Eight & Ninth Digit - Year of Production
017070405 - Starting Serial Number and Higher

Serial Tag
Location

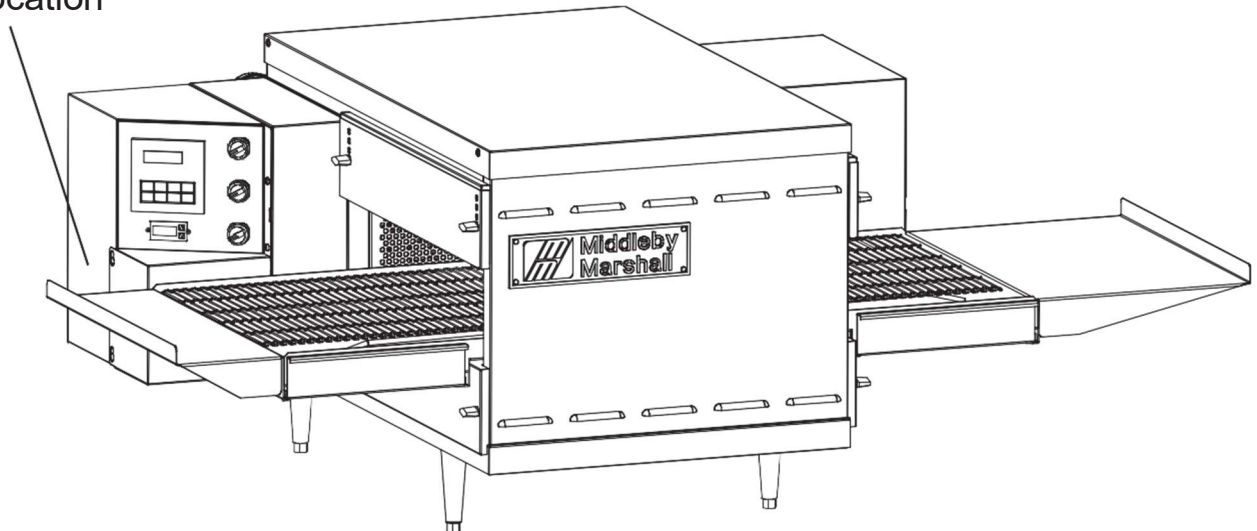


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WARNING
FOR YOUR SAFETY, DO NOT STORE OR
USE GASOLINE OR OTHER FLAMMABLE
VAPORS AND LIQUIDS IN THE VICINITY OF
THIS OR ANY OTHER APPLIANCE.

WARNING
Improper installation, adjustment, alteration,
service, or maintenance can cause property
damage, injury, or death. Read the
installation, operating, and maintenance
instructions thoroughly before installing or
servicing this equipment.

NOTICE
The warranty is NOT VALID unless the oven is installed, started, and demonstrated under the supervision of a factory-authorized installer

NOTICE
Contact your authorized Service Agency to perform maintenance and repairs. A Service Agency Directory is supplied with your oven.

NOTICE
Using any parts other than genuine Middleby Marshall factory-manufactured parts relieves the manufacturer of all warranty and liability.

NOTICE
Middleby Marshall (Manufacturer) reserves the right to change specifications at any time.

KEEP THIS MANUAL IN A VISIBLE LOCATION NEAR THE
OVEN FOR FUTURE REFERENCE.

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WIRING DIAGRAMS

208/240V Domestic USA/Canada - 48713J	18
380/480V Domestic USA/Canada - 52445J	19
230/240V CE, 1 Phase - UK,FR,GM,IT,SP - 52446K.....	20
380/400V CE, 1 Phase - UK, FR, GM, IT, SP - 54661J	21
380/400V CE, 3 Phase - High Leg - 58158F	22

PS520 SERIES OVEN SPECIFICATIONS

Conveyor Belt Width	18.00" (457mm)
Heating Zone Length	20.00" (5098mm)
Baking Area Square Feet	2.5 sq ft (.023 sq. m.)
Overall Dimensions	
Standard Single Oven w/Legs	42.00" (1067mm) L x 35.21" (894mm) W x 21.72" (786mm) H x
Overall Dimensions	
Double Oven	42.00" (1067mm) L x 35.21" (894mm) W x 37.27" (947mm) H x
Overall dimensions	
Triple Oven	42.00" (1067mm) L x 35.21" (894mm) W x 52.82" (1342mm) H x
Weight of Single Oven	250 lbs (93.3kg)
Shipping Weight	325 lbs (121.3kg)
Operating Range	8.3 kW/hr
Maximum Operating temperature	550°F (287°C)
Warm-up Time	20 min.
Belt Speed Limits	1-10 minutes

SERIES PS520 ELECTRICAL SPECIFICATIONS

	Main Blower & Elements Voltage	Control Circuit Voltage	Phase	Frequency	Amperage Draw	Poles	Wires
All Models	208-240V	208-240V	1 Ph	50/60 Hz	See Below	2 Pole	3 Wire (2 hot, 1 grd)
					Heater Amperage		
					Voltage kW Amp		
					208 8.3 39.9		
					230 7.6 33.0		
					240 8.3 34.6		
Non-CE	380V	230-240V	1 Ph	50/60 Hz	See Below	3 Pole	4 Wire (2 hot, 1 neut, 1 grd)
					Heater Amperage		
					Voltage kW Amp		
					380 8.3 21.8		
Domestic/Non-CE	480V	208-240V	1 Ph	50/60 Hz	See Below	3 Pole	4 Wire (2 hot, 1 neut, 1 grd)
					Heater Amperage		
					Voltage kW Amp		
					480 8.3 17.3		
CE Only	380-400V	230-240V	1 Ph	50/60 Hz	See Below	2 Pole	3 Wire (2 hot, 1 grd)
					Heater Amperage		
					Voltage kW Amp		
					380 8.3 21.8		
					400 8.3 23.0		
			3 Ph	50/60 Hz	See Below	4 Pole	5 Wire (3 hot, 1 neut, 1 grd)
					Heater Amperage		
					Voltage kW L1 L2 L3 N		
					380 8.3 21.8 21.8 1.2 1.2		
					400 9.2 23.0 23.0 1.2 1.2		

Figure 2-5. MODEL PS520 SINGLE OVEN DIMENSIONS

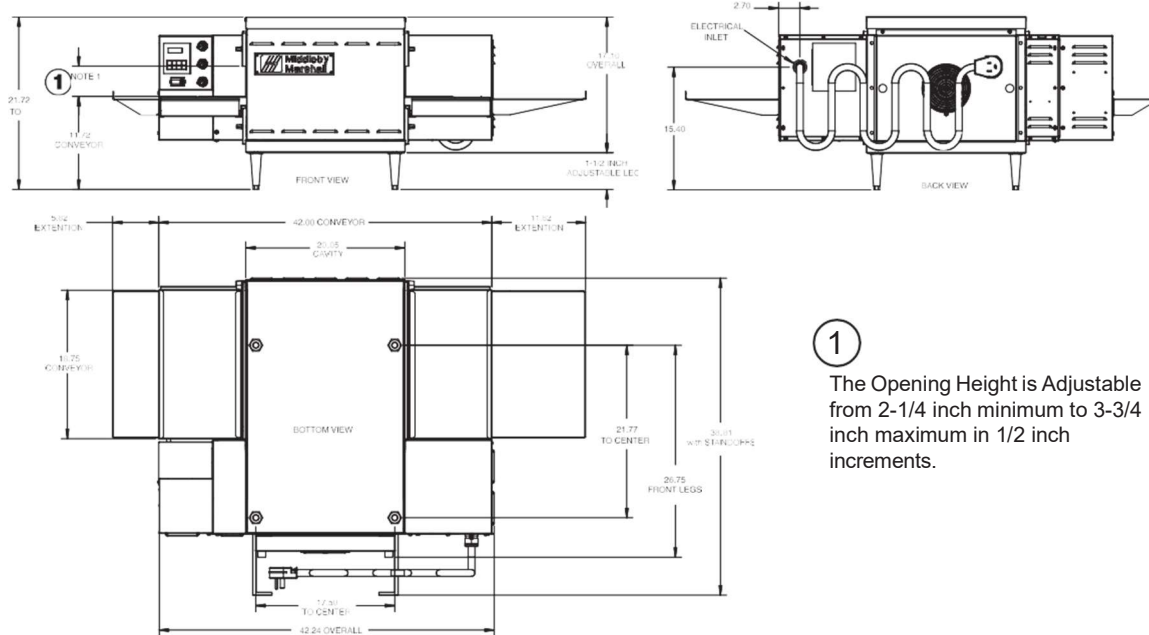


Figure 2-6. MODEL PS520 DOUBLE OVEN DIMENSIONS

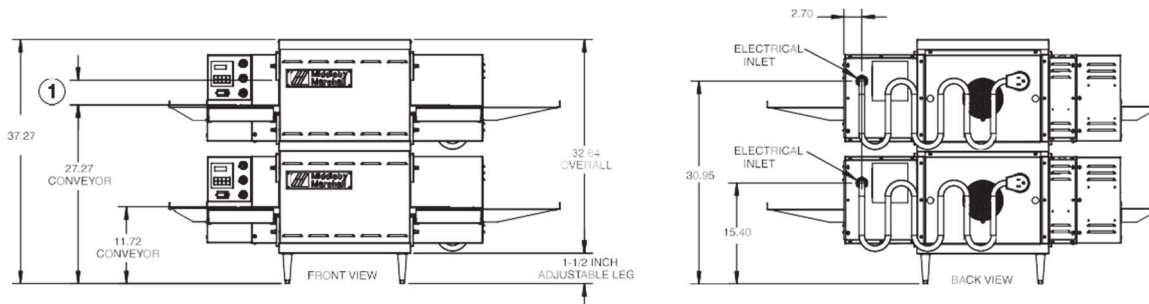
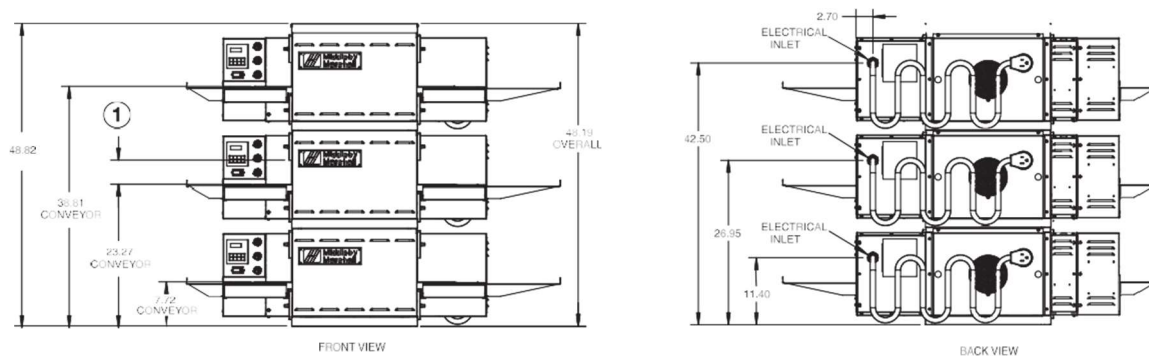


Figure 2-7. MODEL PS520 TRIPLE OVEN DIMENSIONS

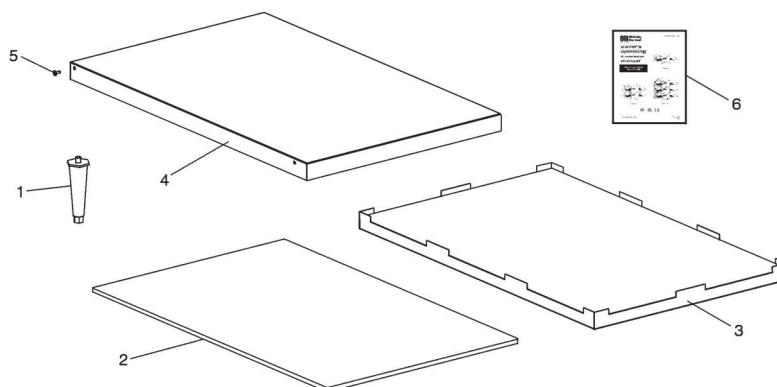


PARTS LIST FOR SERIES PS520 ELECTRIC OVEN INSTALLATION KIT

Single and Double Stack Ovens

P/N 48397

Item NO.	QTY	PART NO.	DESCRIPTION
1	4	3101908	Leg 4" AD FT
2	2	48392	Insulation Bottom Tray
3	1	48394	Bottom Tray Weldment
4	1	48396	Top Cover
5	4	51387	Screw MSSLT Thread 8-32 x 1/2, 18-8
6	1	52358	Installation & Operation Manual - English
6	1	59476	Installation & Operation Manual - French
7	4	57258	Plate, Air Vent
8	1	59227	Guard, Heat
9	2	59272	Tray, Ext. 12"

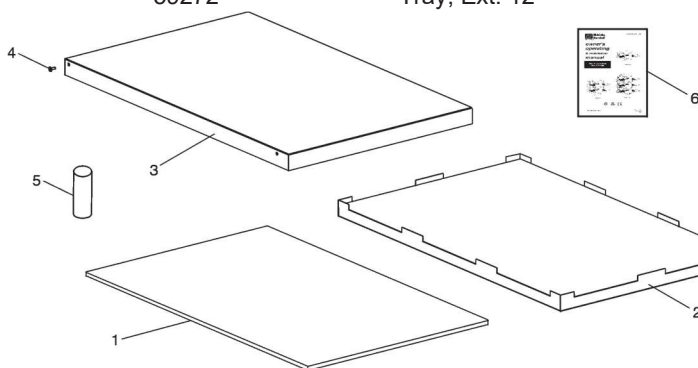


PARTS LIST FOR SERIES PS520 ELECTRIC OVEN INSTALLATION KIT

Triple Stack Ovens

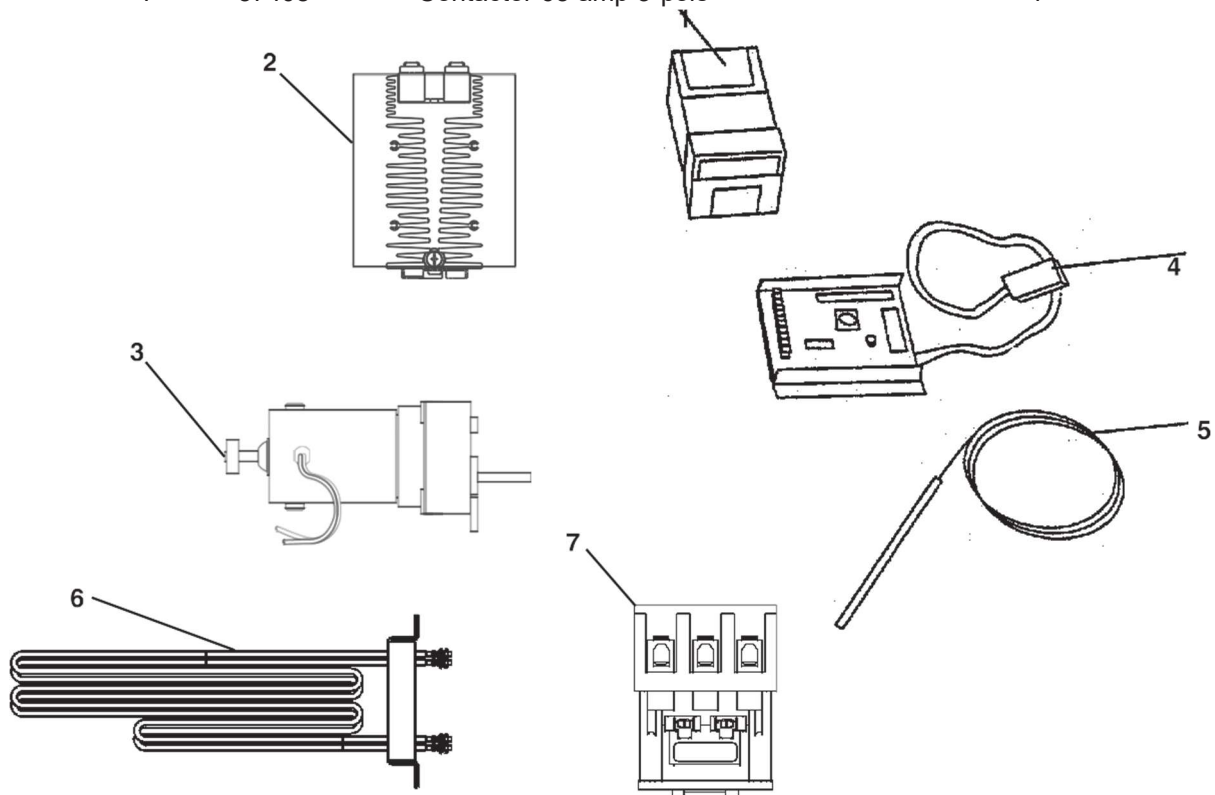
P/N 54593

Item NO.	QTY	PART NO.	DESCRIPTION
1	2	48392	Insulation Bottom Tray
2	1	48394	Bottom Tray Weldment
3	1	48396	Top Cover
4	4	51387	Screw MSSLT Thread 8-32 x 1/2, 18-8
5			
6	1	52358	Installation & Operation Manual - English
6	1	59476	Installation & Operation Manual - French
7	4	3101908	Leg, 4" AD FT
8	4	57258	Plate, Air Vent
9	1	59227	Guard, Heat
10	2	59272	Tray, Ext. 12"



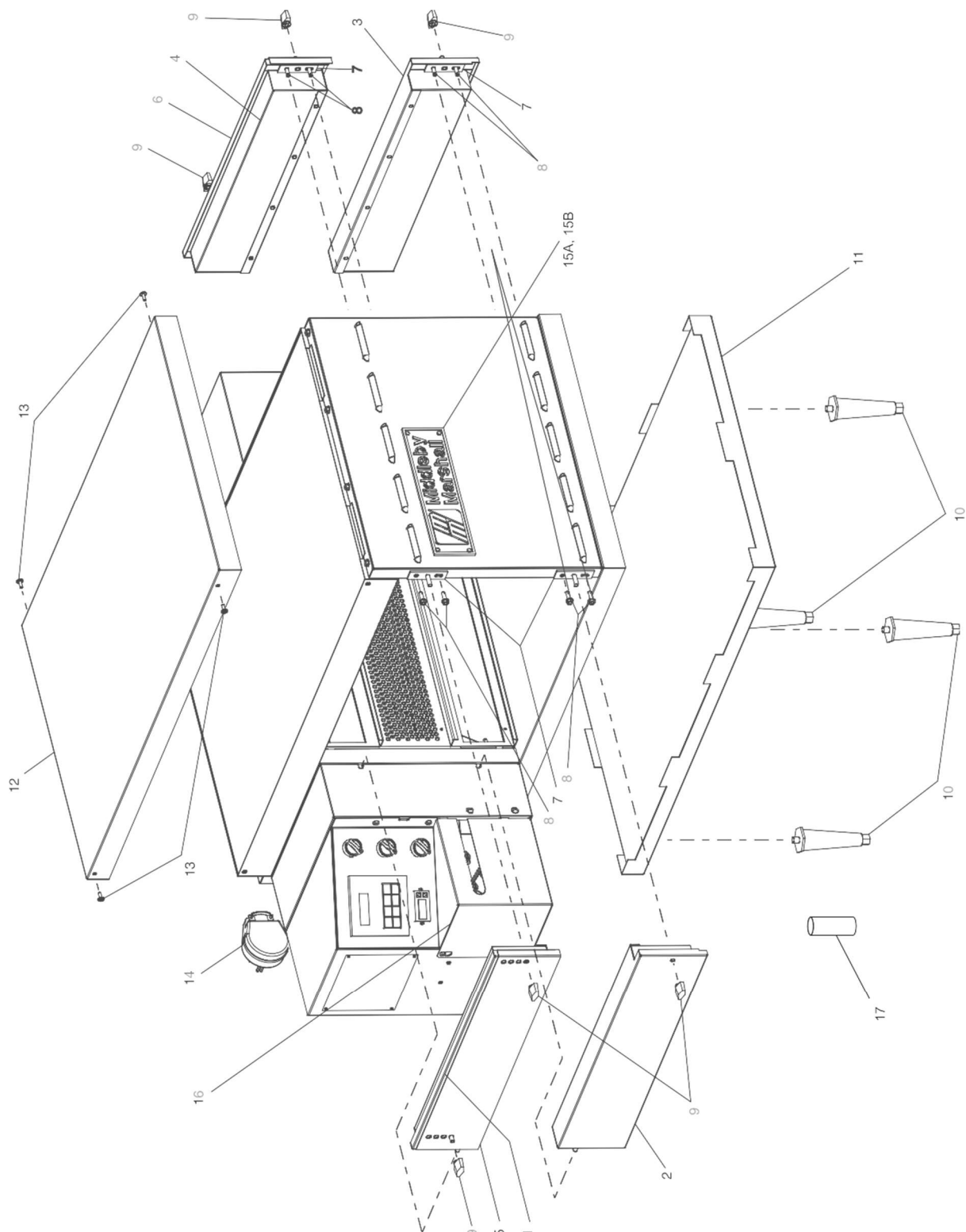
PS520-SERIES ELECTRIC OVEN KEY SPARE PARTS KIT

ITEM	PART NO.	DESCRIPTION	QUANTITY
1	75729	Kit, Temperature Control On/Off PID (58504)	1
2	66226	Relay, 100A	1
3A	44695	Assy, Drive Motor	1
3B	74106	24VDC Motor, Gear	
4A	64149	CNTRL, COMNV Digital	1
4B	72533	CNTRL, Speed 24VDC Anaheim	
5	33812-8	Thermocouple	3
6A	50715	Heater Element, 208V	1
6B	51017	Heater Element, 240V	1
6C	51958	Heater Element, 380V	1
6D	51961	Heater Element, 480V	1
7	57408	Contactor 65 amp 3-pole	1



PS520E-SERIES PARTS MANUAL

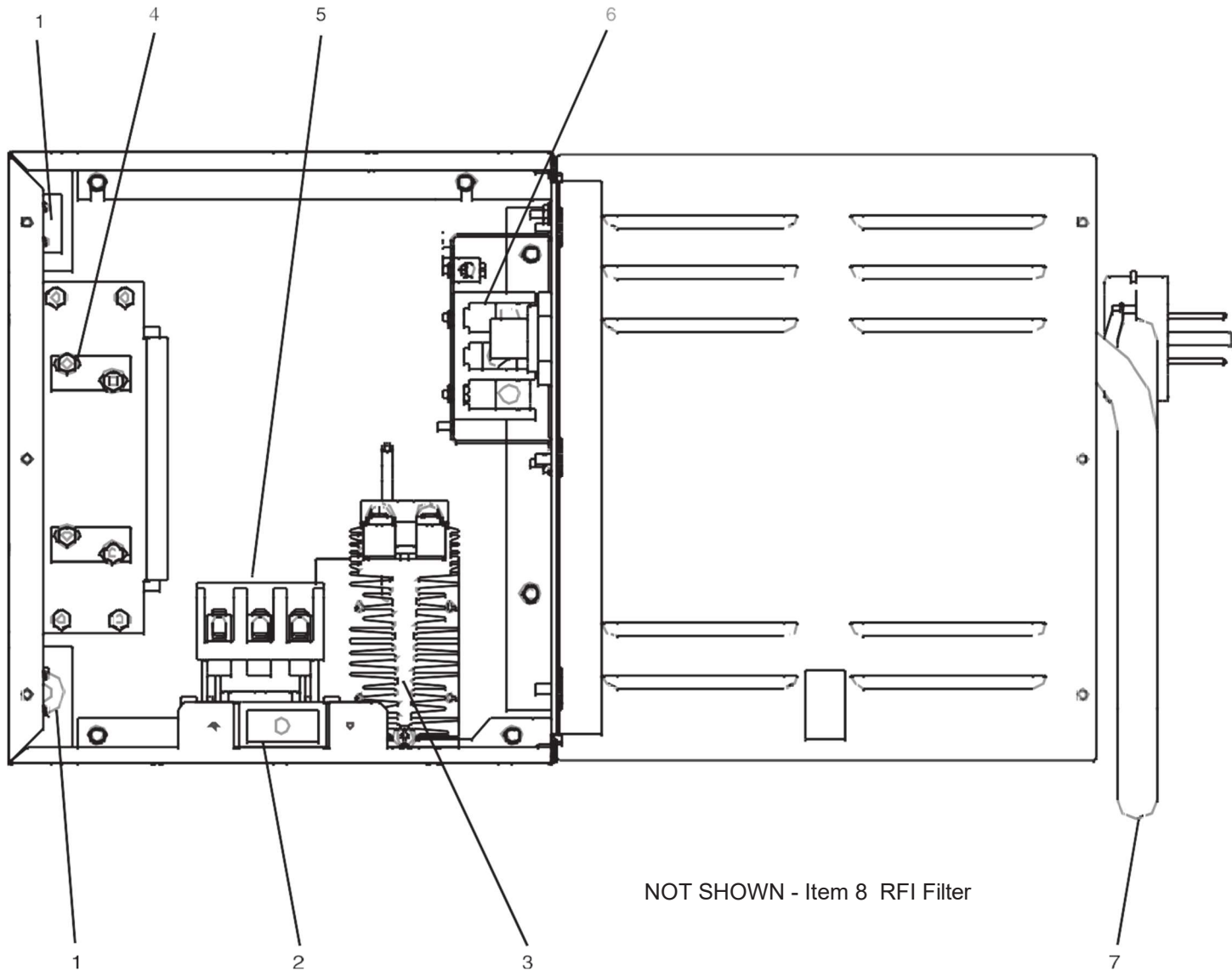
Front View Of Oven



Parts For Front View Of Oven

ITEM	QTY	PART NO.	DESCRIPTION
1	1	67446	Upper LH End Plug Assembly, includes item 5 eyebrow
2	1	67451	Lower LH End Plug Assembly
3	1	67446	Lower RH End Plug Assembly
4	1	67456	Upper RH End Plug Assembly, includes item 6 eyebrow
5	1	62347	Eye brow, Upper LH End Plug Assembly
6	1	62346	Eye brow, Upper RH End Plug Assembly
7	4	51398	End Plug Mounting Bracket Assembly .875"
8	8	21296-0005	Screw, Hex Head, WSHHD 12-14x3/4 SS BSD
9	6	36452	Nut, Wing-Plastic 1/4-20
10	4	3101908	Leg, 4" ADJ FT (NPS)
11	1	48395	Bottom Tray Assembly (includes insulation part #48392)
12	1	48396	Cover, Top
13	4	51387	Scr, MS, SLT THRD 8-32x1/2" 18-8
14	1	NLA	Cordset, 50 Amp 250V, 2P 3W 208/240V Models Only
15A	1	45739	Nameplate, Middleby Marshall
15B	1	59104	Nameplate, Noble Roman's
16	1	66461	Cover, Motor
17	4	M3828	Alignment Pin (Triple Stack)

View Of Right Hand Of Electrical Compartment

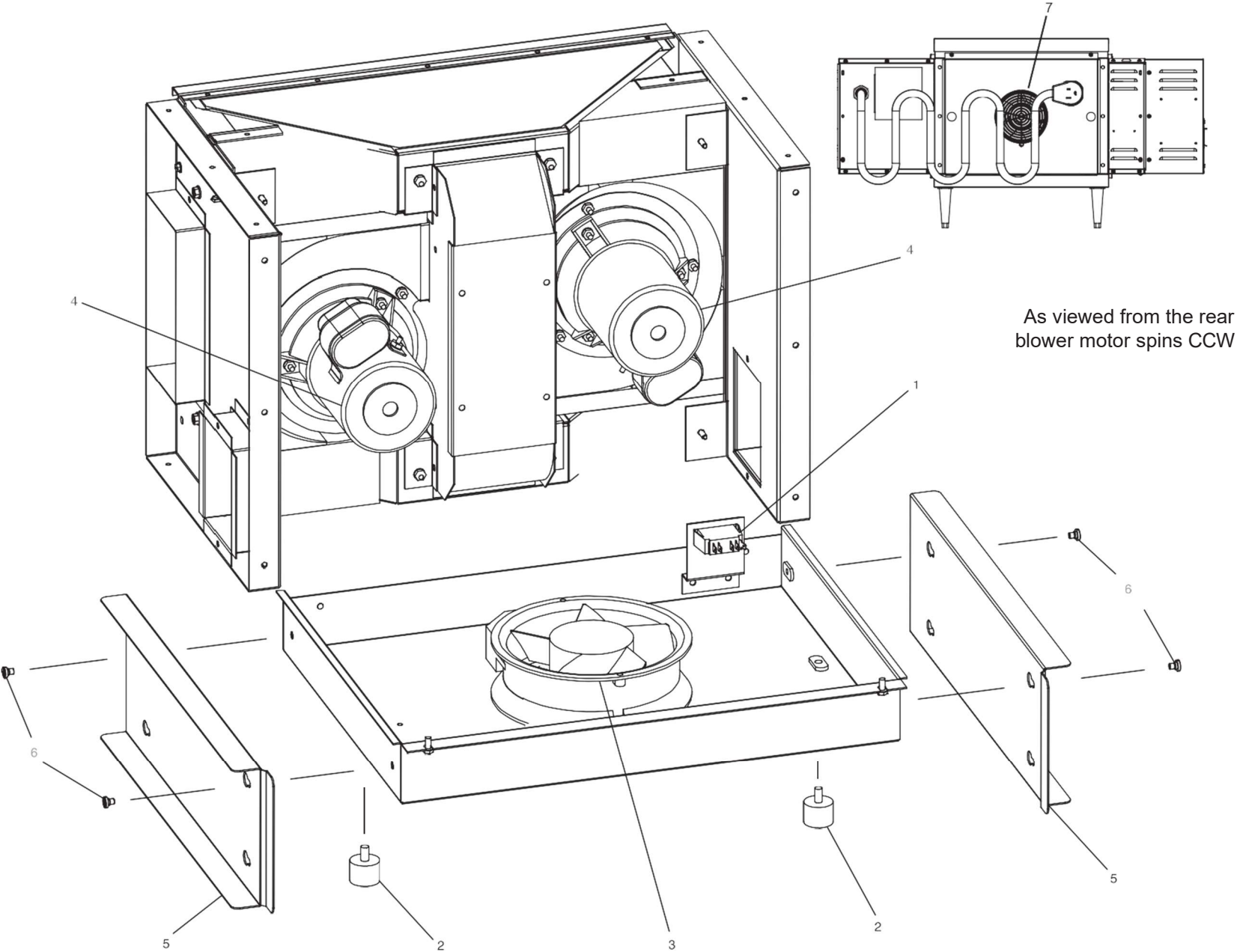


NOTE: Air switch was removed starting with serial #035870306 and after.

Parts For Right Hand Electrical Compartment

ITEM	QTY	PART NO.	DESCRIPTION
1	1 or 2	33812-8	Thermocouple, Type "J" Shielded 2.5" x 120"
2	1	63909	Switch, Interlock, 10A NO 2 Pole
3	1	66226	Relay, Heat Sink 100A
4	1	50715	Element, Heating, 208V
4	1	51017	Element, Heating, 240V
4	1	51958	Element, Heating, 380V
4	1	51961	Element, Heating, 480V
5	1	57408	Contactor, 208/240V, 65A, 50/60 Hz
6	1	300-3946	Block-Power Dist 3-Pole
7	1	NLA	Cordset, 50 Amp, 250V, 2P 3W 208/240V Models Only
8	1	45244	RFI Filter - CE Only

Rear View Of Blower Compartment

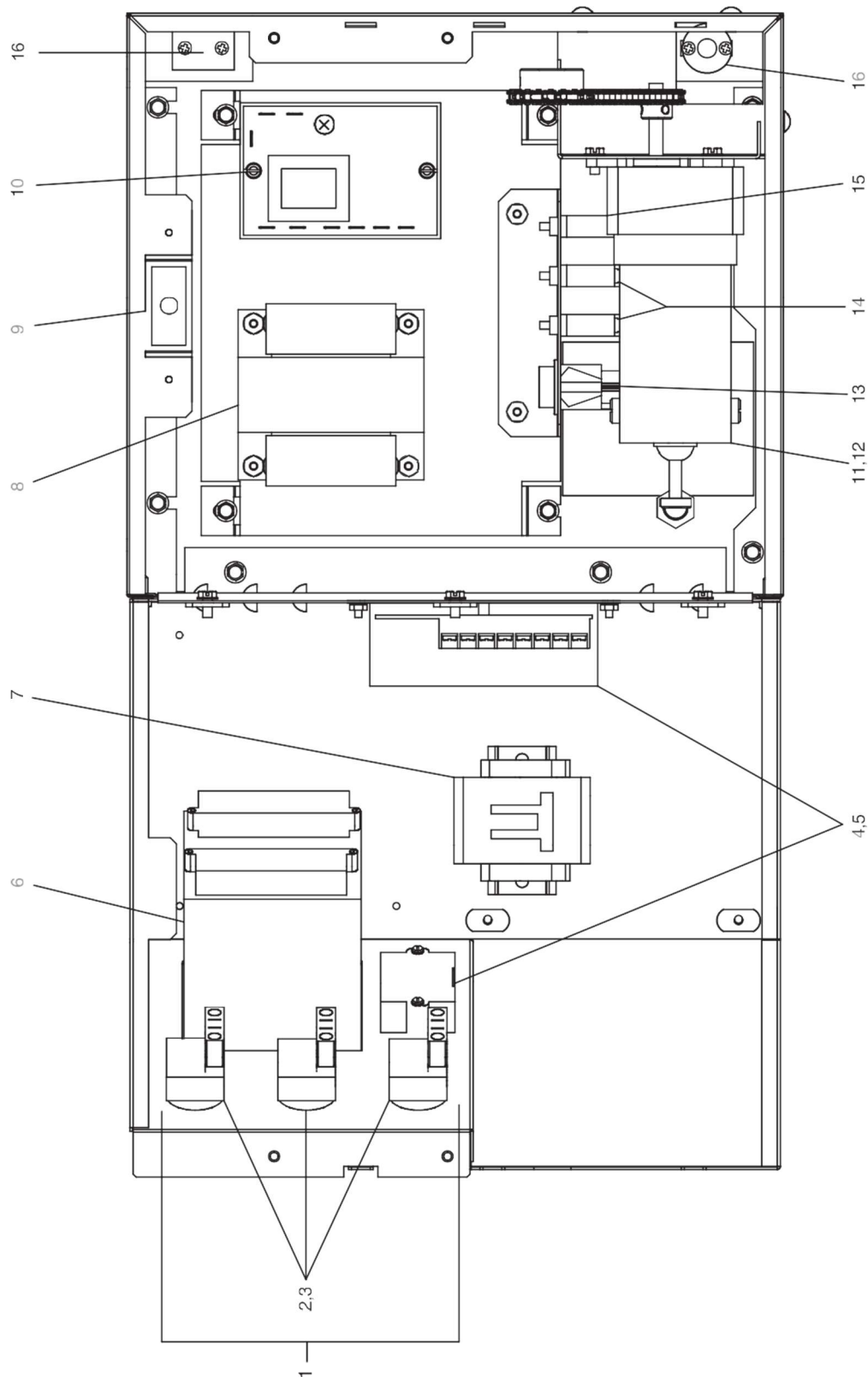


Parts For Rear View Blower Compartment

ITEM	QTY	PART NO.	DESCRIPTION
1	1	63910	Switch, Momentary-10A, NO 2 Pole
2	2	30927	Bumper, Window
3	1	51399	Fan, Cooling, 230V AC, 295 CFM
4	2	52244	Motor, Blower, CW, 208/230V 50/60 Hz With Blower Wheel
5	2	57258	Plate, Air Vent
6	4	7007413	SCR, Shoulder 10-32x3/4 18-8
7	1	31497	Guard-Cooling Fan

PS520E-SERIES PARTS MANUAL

View of Left Hand Electrical Compartment



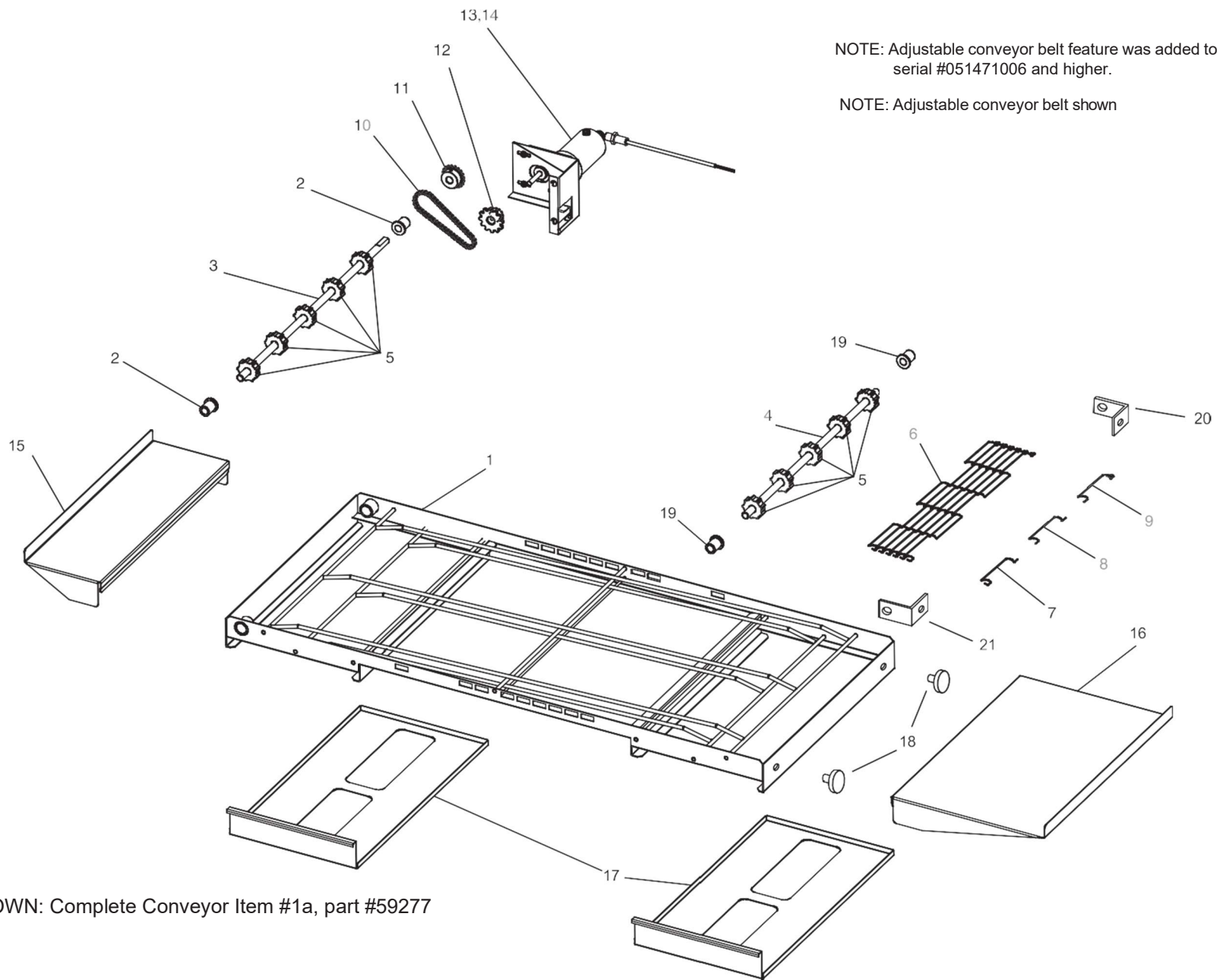
Parts For Left Hand Electrical Compartment

ITEM	QTY	PART NO.	DESCRIPTION
1	3	78159	Kit Blower Switch
2	3	78163	Contact Block
3	3	78184	Selector Switch
4A	1	64149	CNTRL, CONV Digital
4B	1	72533	CNTRL, Speed 24VDC Anaheim
5	1	37503	Digital Speed Control (Display Only)
6	1	75729	Control, Combo 4-20MA (58504)
7	1	28041-0011	Contact, 208/240V-25A
8	1	31504	Transformer, 230V(P)/120(S), 200VA - Conveyor
9	1	63909	Switch, Interlock, 10A
10	1	33983	Control, Electric, Hi-Limit, 240V
11A	1	44695	Assy, Drive Motor
11B	1	74106	24 VDC Motor, Gear
11C	1	39002	Magnet, 2-Pole
11D	1	58484	Kit, 2 Brushes & 2 Caps
12	1	22450-0249	Sensor-Conveyor Pick-up
13	1	35145	Switch, Push-button, Molveno, 250V
14	2	45036	Breaker, Circuit 240V, 3A
15	1	48635	Breaker, Circuit 240V, 0.3A
16	1 or 2	33812-8	Thermocouple, Type "j", Shielded, 2.5" x 120"

View of Conveyor Parts

NOTE: Adjustable conveyor belt feature was added to serial #051471006 and higher.

NOTE: Adjustable conveyor belt shown

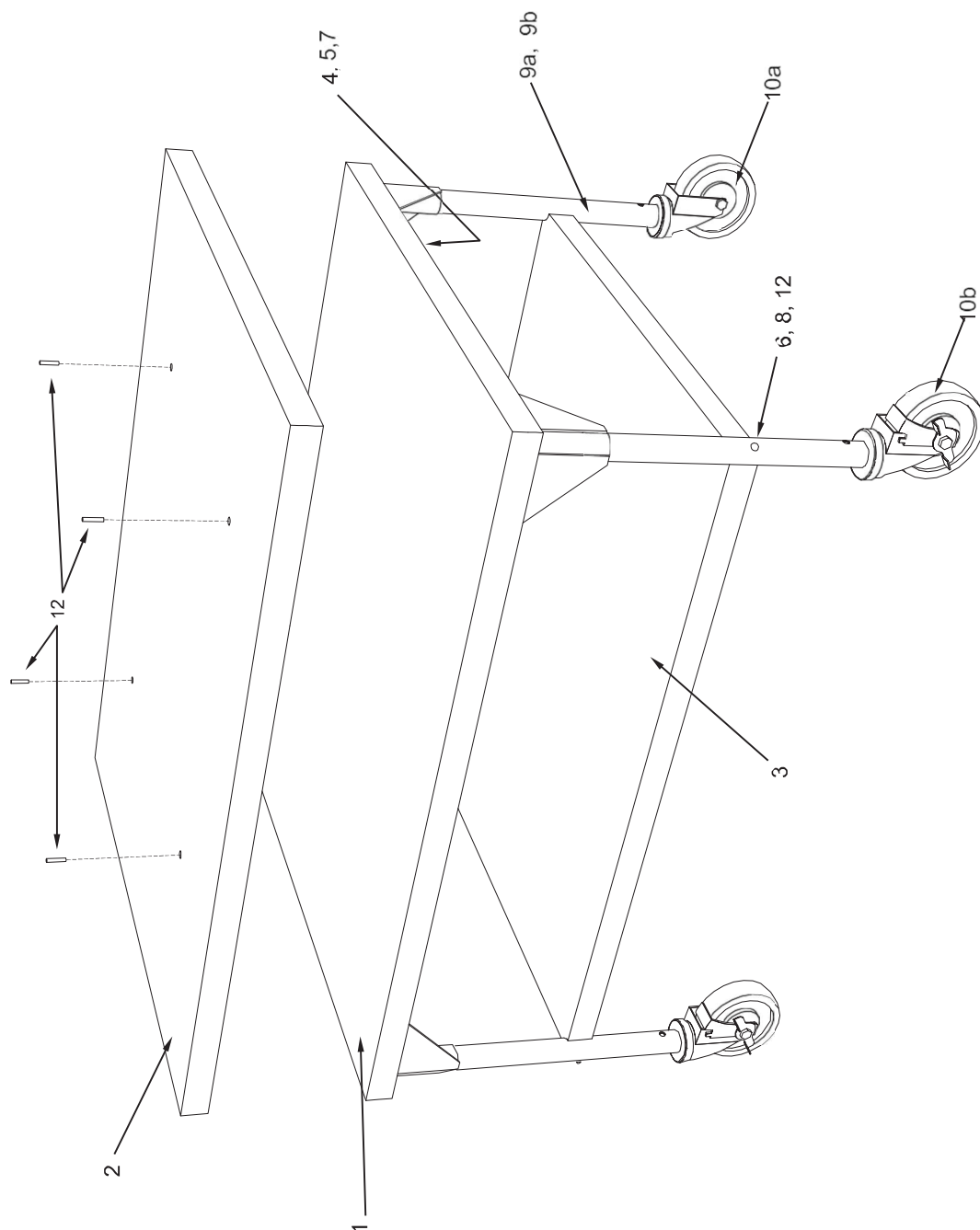


NOT SHOWN: Complete Conveyor Item #1a, part #59277

Parts For Conveyor			
ITEM	QTY	PART NO.	DESCRIPTION
1A	1	74154	Complete Conveyor Assembly - w/Adjustment Feature *
1B	1	67349	Frame Only - Conveyor - Weldment
2	2	M4817	Bearing, Rulon
3	1	62295	Shaft, Drive
4A	1	67357	Shaft, Idler 18-1/4" *
4B	1	51408	Shaft, Idler 18-3/4"
5	10	M4818	Sprocket, Wire Belt
6	1	59307	Belt, Wire, Stainless Steel, 18"x87-1/2" *
7	1	58391	Kit, Master Link Front, Middle, Rear
10A	1	55567	Assy, Chain High Speed w/Master Link
10B	1	310-1212	Master Link Only
11A	1	44695	Assy, Drive Motor
11B	1	74106	24VDC Motor, Gear
12	1	45349	Sprocket, 25B25 w/5/16" Bore - Drive Shaft
13	1		Motor, Conveyor Drive w/2 Pole Magnet
13C	1	58500	Conveyor Drive Motor Only
13D	1	58484	Kit, 2 Brushes & 2 Caps
13E	1	39002	Magnet 2-Pole
14	1	22450-0249	Sensor-Conveyor Pick-up
15	1	59280	Extension, Conveyor - 6" *
16	1	59272	Extension, Conveyor - 12" *
17A	2	51409	Pan, Crumb Vented - Shipped As Standard
17B	2	48469	Pan, Solid - Optional
18	2	59276	Screw Adjustment *
19	2	59264	Bushing, Rulon - Idler *
20	1	59267	Idler Guide - Back *
21	1	59270	Idler Guide - Front *

NOTE: ITEMS 1A, 4A, 6A, 15A, 16A, 18A-21A used on models with serial #051471006 and higher

View of Cart Parts



Parts For Oven Cart

ITEM	#52241	#54596	PART NO.	DESCRIPTION
	Single/Double QTY	Triple QTY		
1	1	1	52237	Wldmt,Base Cart Panel PS520
2	1	1	52238	Panel, Cover Cart PS520
3	2	0	52240	Wldmt, Lower Shelf Cart Panel PS520
4	16	16	A3682	Washer, Lock 5/16"
5	16	16	B10012	Nut, Hex 5/16"-18 ZP
6	4	0	F706A8805	Washer, FLat Rivet Burr 1/4" NP
7	16	16	M0226	Washer, Flat 5/16"
8	4	0	M10435	Scr, MS PH PANHD 1/4"-20 x 2-14"
9a	4	0	M2585	Leg 18" Single and Double
9b	0	4	54657	Leg 5" - Triple Only
10a	2	2	15688	Caster w/o Brake
10b	2	2	15687	Caster w/Brake
11	4	4	M3828	Pin - Alignment
12	4	0	M7958	Nut, Nylon Insert 1/4-20

Notes

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Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury or death. Read the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment.

NOTICE

During the warranty period. ALL parts replacement and servicing should be performed by your Middleby Marshall Authorized Service Agent. Service that is performed by parties other than your Middleby Marshall Authorized Service Agent may void your warranty.

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Commercial Food Equipment Service Association

Middleby is proud to support the Commercial Food Equipment Service Association (CFESA). We recognize and applaud CFESA's ongoing efforts to improve the quality of technical service in the industry.

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