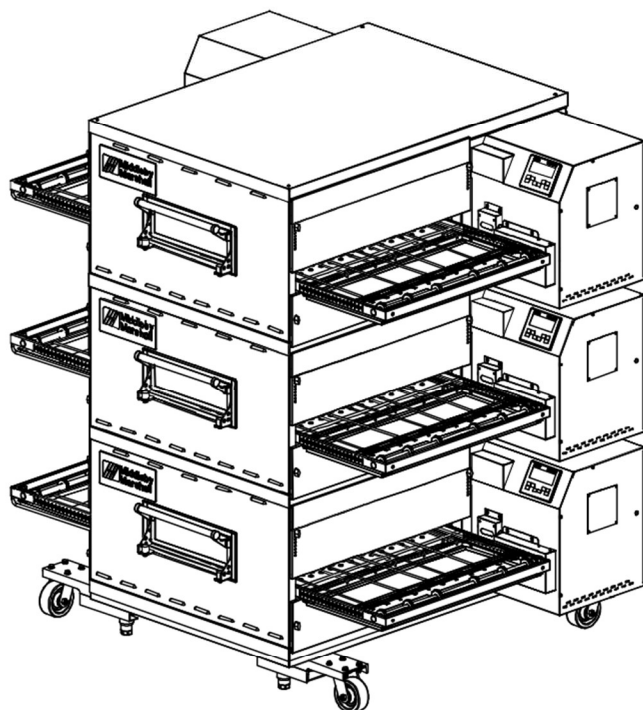


PS640/740/840 Series
Electric & Gas
Domestic & Std. Export
ENGLISH



P/N: 640
March, 2026 Rev. E



PS640/740/840 Series Ovens

Model

Combinations:

- Single Oven
- Double Oven (Two-Stack)
- Triple Oven (Three-Stack)

PARTS MANUAL

for domestic and standard export ovens

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Middleby Cooking Systems Group • 1400 Toastmaster Drive • Elgin, IL 60120 • (847)741-3300 • FAX (847)429-7508



NOTICE:

This parts manual should be kept in a prominent, easily reachable location.

Ovens are shipped from the factory configured for use with natural gas. If permitted by local, national and international codes, at the time of installation the oven may be converted to propane gas operation. This conversion requires the use of a Gas Conversion Kit that is supplied with the oven. For CE-approved ovens, the conversion is described in the *Installation* section of this Manual. For domestic and standard export ovens, instructions are included in the Gas Conversion Kit.

It is suggested to obtain a service contract with a Middleby Marshall Authorized Service Agent.

WARNING

POST, IN A PROMINENT LOCATION, THE EMERGENCY TELEPHONE NUMBER OF YOUR LOCAL GAS SUPPLIER AND INSTRUCTIONS TO BE FOLLOWED IN THE EVENT YOU SMELL GAS.

Instructions to be followed in the event the user smells gas shall be obtained by consulting the local gas supplier. If the smell of gas is detected, immediately call the emergency phone number of your local Gas Company. They will have personnel and provisions available to correct the problem.

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, operation, and maintenance instructions thoroughly before installing or servicing this equipment.

WARNING

DO NOT SPRAY AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHILE IT IS IN OPERATION.

IMPORTANT

An electrical wiring diagram for the oven is located inside the machinery compartment.

IMPORTANT

It is the customer's responsibility to report any concealed or non-concealed damage to the freight company. Retain all shipping materials until it is certain that the equipment has not suffered concealed shipping damage.

NOTICE

CONTACT YOUR MIDDLEBY MARSHALL AUTHORIZED SERVICE AGENT TO INSTALL AND PERFORM MAINTENANCE AND REPAIRS AND IF NECESSARY TO CONVERT EQUIPMENT FOR USE WITH OTHER GASES. AN AUTHORIZED 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.

NOTICE

The equipment warranty is not valid unless the oven is installed, started and demonstrated under the supervision of a factory certified installer.

NOTICE

THIS EQUIPMENT IS ONLY FOR PROFESSIONAL USE AND SHALL BE USED BY QUALIFIED PERSONNEL.

RETAIN THIS MANUAL FOR FUTURE REFERENCE.

**MIDDLEBY MARSHALL
NO QUIBBLE LIMITED WARRANTY
(U.S.A. ONLY)**

MIDDLEBY MARSHALL, HEREINAFTER REFERRED TO AS "THE SELLER", WARRANTS EQUIPMENT MANUFACTURED BY IT TO BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP FOR WHICH IT IS RESPONSIBLE. THE SELLER'S OBLIGATION UNDER THIS WARRANTY SHALL BE LIMITED TO REPLACING OR REPAIRING, AT SELLER'S OPTION, WITHOUT CHARGE, ANY PART FOUND TO BE DEFECTIVE AND ANY LABOR AND MATERIAL EXPENSE INCURRED BY SELLER IN REPAIRING OR REPLACING SUCH PART. SUCH WARRANTY SHALL BE LIMITED TO THE ORIGINAL PURCHASER ONLY AND SHALL BE EFFECTIVE FOR A PERIOD OF ONE YEAR FROM DATE OF ORIGINAL INSTALLATION, OR 18 MONTHS FROM DATE OF PURCHASE, WHICHEVER IS EARLIER, PROVIDED THAT TERMS OF PAYMENT HAVE BEEN FULLY MET.

This warranty is valid only if the equipment is installed, started, and demonstrated under the supervision of a factory-authorized installer.

Normal maintenance functions, including lubrication, cleaning, or customer abuse, are not covered by this **no quibble warranty**.

Seller shall be responsible only for repairs or replacements of defective parts performed by Seller's authorized service personnel. Authorized service agencies are located in principal cities throughout the contiguous United States, Alaska, and Hawaii. This warranty is valid in the 50 United States and is void elsewhere unless the product is purchased through Middleby International with warranty included.

The foregoing warranty is exclusive and in lieu of all other warranties, expressed or implied. There are no implied warranties of merchantability or of fitness for a particular purpose.

The foregoing shall be Seller's sole and exclusive obligation and Buyer's sole and exclusive remedy for any action, including breach of contract or negligence. In no event shall Seller be liable for a sum in excess of the purchase price of the item. Seller shall not be liable for any prospective or lost profits of Buyer.

This warranty is effective on Middleby Marshall equipment sold on, or after, February 15, 1995.

**MIDDLEBY MARSHALL INC.
OVEN LIMITED WARRANTY
(Non U.S.A.)**

The Seller warrants equipment manufactured by it to be free from defects in material and workmanship for which it is responsible. The Seller's obligation under this warranty shall be limited to replacing or repairing, at Seller's option, without charge, F.O.B. Seller's factory, any part found to be defective and any labor and material expense incurred by Seller in repairing or replacing such part. Such warranty is limited to a period of one year from date of original installation or 15 months from date of shipment from Seller's factory, whichever is earlier, provided that terms of payment have been fully met. All labor shall be performed during regular working hours. Overtime premium will be charged to the Buyer.

This warranty is not valid unless equipment is installed, started, and demonstrated under the supervision of a factory-authorized installer.

Normal maintenance functions, including lubrication, adjustment of airflow, thermostats, door mechanisms, microswitches, burners and pilot burners, and replacement of light bulbs, fuses and indicating lights, are not covered by warranty.

Any repairs or replacements of defective parts shall be performed by Seller's authorized service personnel. Seller shall not be responsible for any costs incurred if the work is performed by other than Seller's authorized service personnel.

When returning any part under warranty, the part must be intact and complete, without evidence of misuse or abuse, freight prepaid.

Seller shall not be liable for consequential damages of any kind which occur during the course of installation of equipment, or which result from the use or misuse by Buyer, its employees or others of the equipment supplied hereunder, and Buyer's sole and exclusive remedy against Seller for any breach of the foregoing warranty or otherwise shall be for the repair or replacement of the equipment or parts thereof affected by such breach.

The foregoing warranty shall be valid and binding upon Seller if and only if Buyer loads, operates and maintains the equipment supplied hereunder in accordance with the instruction manual provided to Buyer. Seller does not guarantee the process of manufacture by Buyer or the quality of product to be produced by the equipment supplied hereunder and Seller shall not be liable for any prospective or lost profits of Buyer.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES WHATSOEVER. SPECIFICALLY THERE ARE NO IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE.

The foregoing shall be Seller's sole and exclusive obligation and Buyer's sole and exclusive remedy for any action, whether in breach of contract or negligence. In no event shall seller be liable for a sum in excess of the purchase price of the item.

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NOTE

Wiring Diagrams are in back of this Manual.
The diagram for each oven is also on the lower
inner surface of its Control Console.

SECTION 1 – DESCRIPTION

I. OVEN USES

PS640 Series Ovens can be used to bake and/or cook a wide variety of food products, such as pizza, pizza –type products, cookies, sandwiches and others.

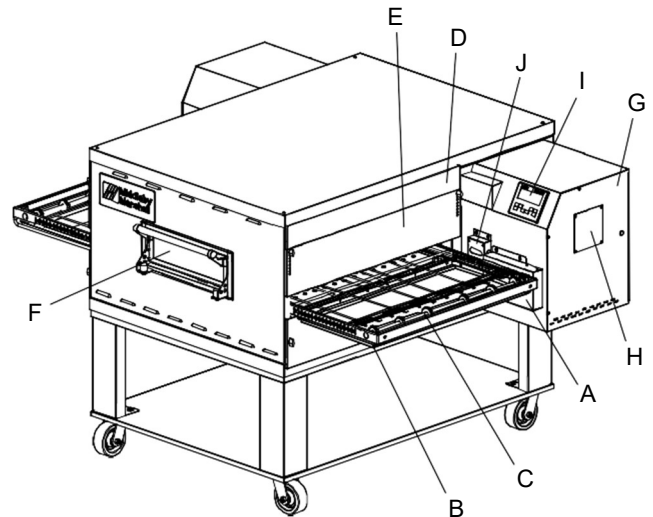
II. OVEN COMPONENTS – see Figure 1-1.

- A. **Conveyor Drive Motor:** Moves the conveyor.
- B. **Crumb Pans:** Catch crumbs and other materials that drop through the conveyor belt. One crumb pan is located at each end of the conveyor.
- C. **Conveyor:** Moves the food product through the oven.
- D. **End Plugs:** Allow access to the oven's interior.
- E. **Eyebrows:** Can be adjusted to various heights to prevent heat loss into the environment.
- F. **Window:** Allows the user to access food products inside the baking chamber.
- G. **Machinery Compartment Access Panel:** Allows access to the oven's interior and control components. No user serviceable parts are located in the machinery compartment.
- H. **Serial Plate:** Provides specifications for the oven that affects installation and operation. Refer to Section 2, Installation for details.
- I. **Control Panel:** Location of the operating controls for the oven. Refer to Section 3, Operation, for details.
- J. **Photo Cell:** Turns oven On when beam is interrupted.

Not Shown:

- K. **Gas Burner (gas ovens):** Heat air, which is then projected to the air fingers by the blowers.
- L. **Blowers:** Project hot air from the burner or heating element to the air fingers.
- M. **Air Fingers:** Project streams of hot air onto the food product.

Figure 1-1. Oven Components



I. OVEN SPECIFICATIONS

Table 1-1 Dimensions	Single Oven	Double Oven	Triple Oven
Overall Height	48-3/16" (1219mm)	62-3/4" (1575mm)	78-11/16" (1981mm)
Overall Depth	60" (1524mm)	60" (1524mm)	60" (1524mm)
Overall Length	76-1/2" (1930mm)	76-1/2" (1930mm)	76-1/2" (1930mm)
Conveyor Width – belt width is 32"	33-1/2" (838mm) or 2 × 15" (381mm)	33-1/2" (838mm) or 2 × 15" (381mm)	33-1/2" (838mm) or 2 × 15" (381mm)
Shortened Exit Conveyor - 24"	Single Oven	Double Oven	Triple Oven
Overall Depth	52.75" (1340mm)	52.75" (1340mm)	52.75" (1340mm)
Overall Length	69" (1753mm)	69" (1753mm)	69" (1753mm)

* All other dimension are the same

Recommended Minimum Clearances

Rear of Oven to Wall	3" (76mm)	3" (76mm)	3" (76mm)
Control end of conveyor to Wall	1" (25.4mm)	1" (25.4mm)	1" (25.4mm)
Non-control end of conveyor to Wall)	1" (25.4mm)	1" (25.4mm)	1" (25.4mm)

Table 1-2: General Specifications PS640 GAS	32" Belt	24" Belt
Weight	1150 lbs. (522kg)	1150 lbs. (522kg)
Rated Heat Input	99,000 BTU (25,000kcal, 29 kW/hr)	99,000 BTU (25,000kcal, 29 kW/hr)
Maximum Operation Temperature	600°F / 315°C	600°F / 315°C
Air Blowers	Two Blowers at 1900 RPM	Two Blowers at 1900 RPM
Warmup Time	15 min.	15 min.

Table 1-3: Electrical specifications for PS640G gas ovens

Main Blower Voltage	Control Circuit Voltage	Phase	Freq	Current Draw	Poles	Wires
208-240VAC	208-240VAC	1Ph	50/60Hz	11-9.6 Amp	2 Pole	3 Wire (2 hot, 1 gd)

Table 1-4: Gas orifice and pressure specifications for PS640G gas ovens

Gas Type	Main Orifice I.D. PS640G	Supply (Inlet) Pressure	Orifice (Manifold) Pressure	Bypass Pressure
Natural	0.1065" (0.120mm)	7-10" W.C. (17.4 - 24.9mbar)	3.5" W.C. (8.7mbar)	0.25-0.3" W.C. (0.6-0.8 mbar)
Propane	0.067" (1.9mm)	12-14" W.C. (29.9 - 34.8mbar)	10.0" W.C. (24.9mbar)	0.9-1.0" W.C. (2.2-2.5 mbar)

IMPORTANT – Additional electrical information is provided on the oven's serial plate, and on the wiring diagram inside the machinery compartment.

GAS ORIFICE AND PRESSURE SPECIFICATIONS (PER OVEN CAVITY) - CE OVENS

Gas Type	Main Orifice dia.	Supply (Inlet) Pressure						Orifice (Manifold) Pressure	Rated Heat Input
		IT,PT,ES,SE, UK,CH,IT,AT, DK,FI I _{2H}	NL I _{2L}	DE I _{2E}	BE,FR I _{2E+}	SE,CH,AT,DK, FI,DE,NL I _{3B/P}	BE,IE,IT,PT, ES,UK I ₃₊		
G20	0.120" (3.05 mm)	20 mbar	--	20 mbar	20 mbar	--	--	11.21 mbar	22.36 kW-hr.
G25	0.120" (3.05 mm)	--	25 mbar	--	--	--	--	16.19 mbar	22.36 kW-hr.
G30	0.075" (1.9 mm)	--	--	--	--	29 or 50 mbar	28-30, 37 or 50 mbar	26.2 mbar	22.59 kW-hr.

NOTE

Wiring Diagrams are contained in Section 5 of this Manual and are also located inside the oven at the bottom of the Control Panel.

Additional electrical information is provided on the oven's serial plate.

This Manual Must Be Kept For Future Reference

SECTION 2 – INSTALLATION

WARNING – After any conversions, readjustments, or service work on the oven:

- Perform a gas leak test.
- Test for proper combustion and gas supply.
- Test for correct air supply, particularly to the burner blower.
- Check that the ventilation system is in operation.

WARNING - Keep the appliance area free and clear of combustibles.

WARNING – The oven must be installed on an even (level) non-flammable flooring and any adjacent walls must be non-flammable. Recommended minimum clearances are specified in the Description section of this manual.

WARNING – Do not obstruct the flow of combustion and ventilation air to and from your oven. There must be no obstructions around or underneath the oven. Constructional changes to the area where the oven is installed shall not affect the air supply to the oven.

CAUTION: To reduce the risk of fire, the appliance is to be mounted on floors of noncombustible construction with noncombustible flooring and surface finish and with no combustible material against the underside thereof, or on noncombustible slabs or arches having no combustible material against the underside thereof, such construction shall in all cases extend not less than 12 inches (304mm) beyond the equipment on all sides.

CAUTION: For additional installation information, contact your local Authorized Service Agent.

NOTE – There must be adequate clearance between the oven and combustible construction. Clearance must also be provided for servicing and for proper operation.

NOTE – An electrical wiring diagram for the oven is located inside the machinery compartment.

NOTE: All aspects of the oven installation, including placement, utility connections, and ventilation requirements, must conform with any applicable local, national, or international codes. These codes supersede the requirements and guidelines provided in this manual.

NOTE: In the USA, the oven installation must conform to local codes. In the absence of local codes, gas oven installations must conform with the National Fuel Gas Code, ANSI Z223.1. Gas and electric ovens, when installed, must be electrically grounded in accordance with local codes, or in the absence of local codes, with the National Electrical Code (NEC), or ANSI/NFPA70.

NOTE: In Canada, the oven installation must conform with local codes. In the absence of local codes, gas oven installations must conform with the Natural Gas Installation Code, CAN/CGA-B149.1, or the Propane Gas Installation Code, CAN/CGA-B149.2, as applicable. Gas and electric ovens, when installed, must be electrically grounded in accordance with local codes, or in the absence of local codes, with the Canadian Electrical Code CSA C22.2.

NOTE: In Australia, the oven installation must conform with local codes. In the absence of local codes, gas oven installations must conform with the requirements of AS5601/AG601, Gas, Electricity, and any other relevant statutory regulations.

PS640 24" OVEN INSTALLATION REQUIRED KITS AND EQUIPMENT

TYPE OF INSTALLATION	PS640 Gas Oven Installation Kit P/N61452	PS640 Single Oven Option Base w/ 15" Legs, Casters & Top Kit P/N61123	PS640 Double Oven Option Base w/ 6" Legs, Casters & Top Kit P/N61457	PS640 Triple Oven Option Base w/ Casters& Top Kit P/N61458
PS640 Single Gas Oven	1	1		
PS640 Double Gas Oven	2		1	
PS640 Triple Gas Oven	3			1

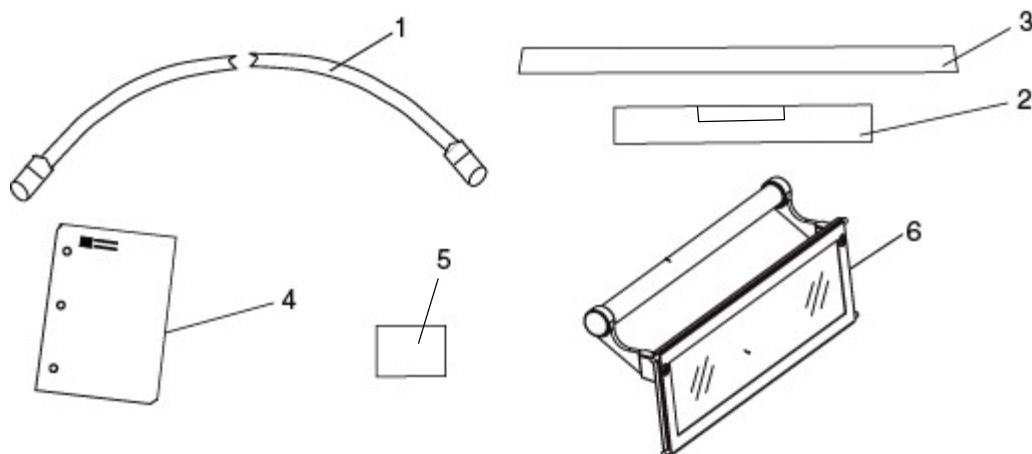
PARTS LIST FOR SERIES PS640 GAS OVEN INSTALLATION KIT P/N 61452

(Two required for double oven)

(Three required for triple oven)

ITEM NO.	QTY	PART NO.	DESCRIPTION
1	1	22361-0001	FLEXIBLE GAS HOSE
2	1	61823	CONVEYOR END STOP, 18"
3	1	31461	CONVEYOR LEFT REAR STOP, 21.25"
4	1	42612	SERVICE AGENCY DIRECTORY
5	1	22500-0080	LABEL, MM
6	1	51054	ASSY, HANDLE & DOOR

Figure 2-1A. PS640-Series Gas Oven Installation Parts



PS640 32" OVEN INSTALLATION REQUIRED KITS AND EQUIPMENT

TYPE OF INSTALLATION	PS640 Gas Oven Installation Kit P/N61033	PS640 Single Oven Option Base w/ 15" Legs, Casters & Top Kit P/N59720	PS640 Double Oven Option Base w/ 6" Legs, Casters & Top Kit P/N59725	PS640 Triple Oven Option Base w/ Casters& Top Kit P/N59726
PS640 Single Gas Oven	1	1		
PS640 Double Gas Oven	2		1	
PS640 Triple Gas Oven	3			1

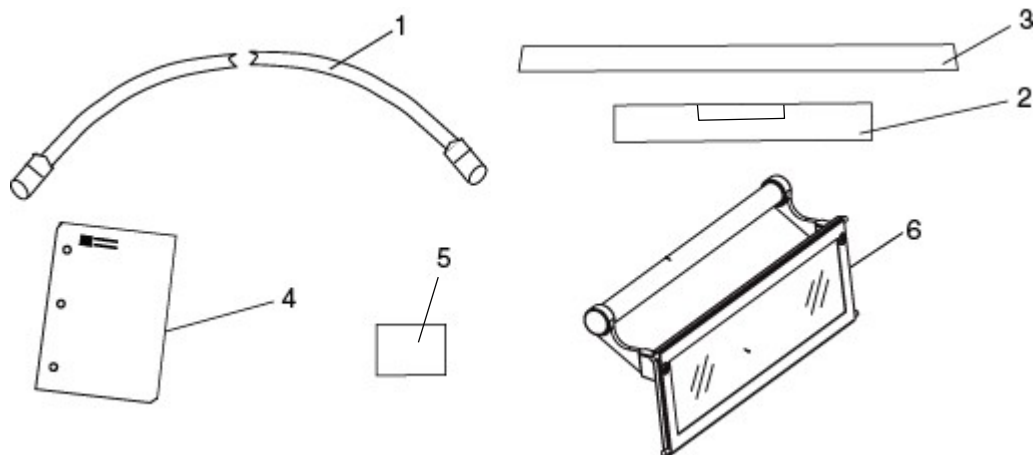
PARTS LIST FOR SERIES PS640 GAS OVEN INSTALLATION KIT P/N 61033

(Two required for double oven)

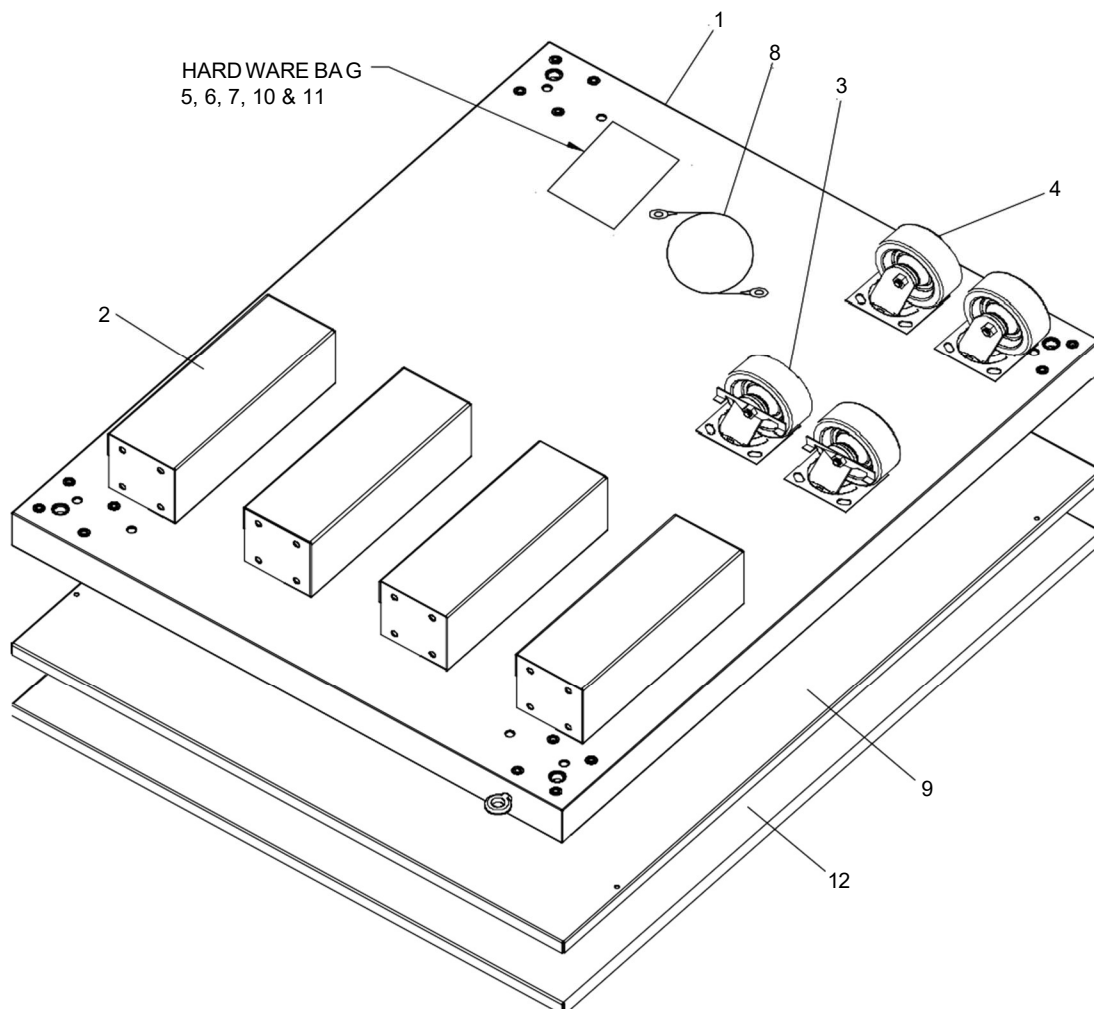
(Three required for triple oven)

ITEM NO.	QTY	PART NO.	DESCRIPTION
1	1	22361-0001	FLEXIBLE GAS HOSE
2	1	61823	CONVEYOR END STOP
3	1	55027	CONVEYOR LEFT REAR STOP
4	1	42612	SERVICE AGENCY DIRECTORY
5	1	22500-0080	LABEL, MM
6	1	51054	ASSY, HANDLE & DOOR

Figure 2-1B. PS640-Series Gas Oven Installation Parts



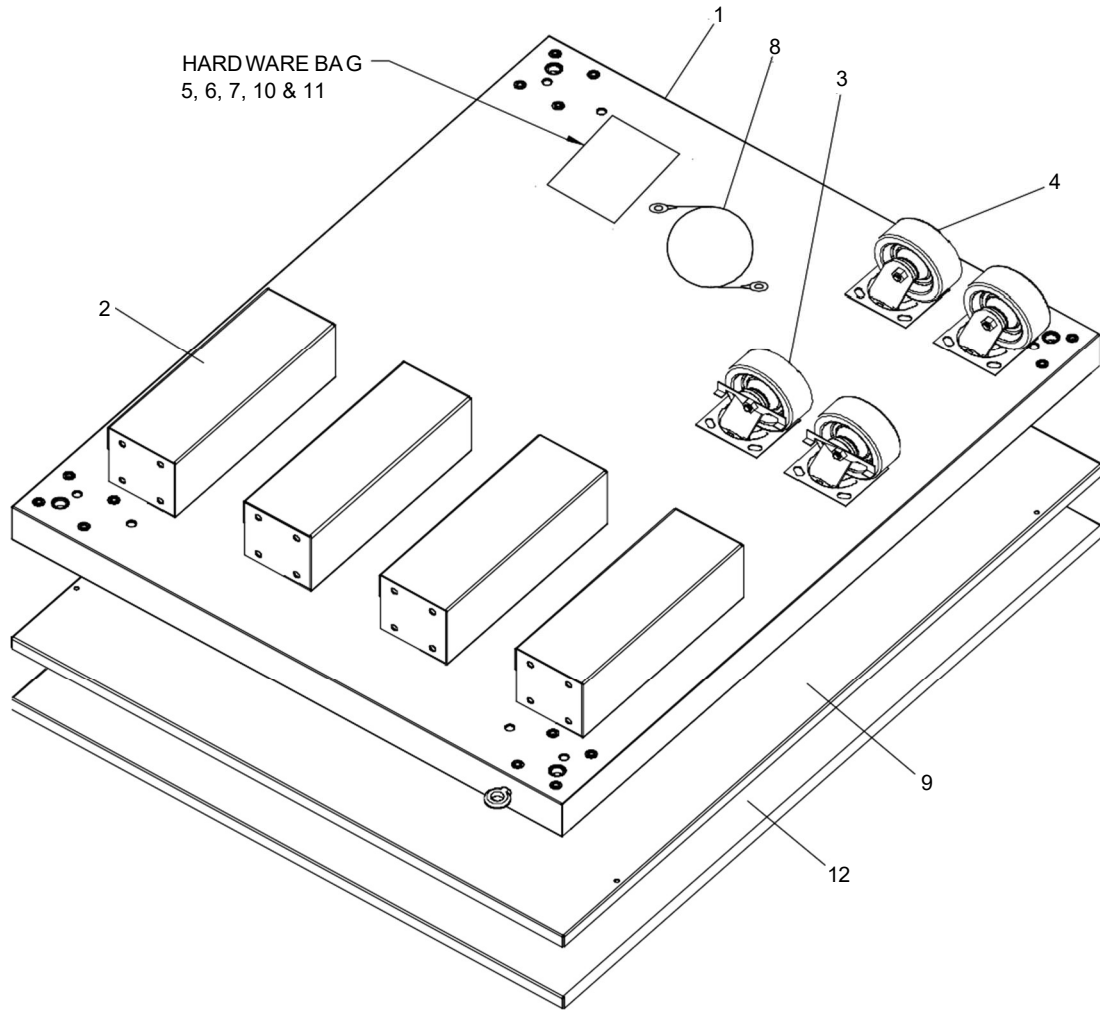
**Figure 2-2A. Model PS640 24" Single Oven
Option Base with Legs and Top**



**PARTS LIST FOR PS640 SERIES 24" SINGLE OVEN OPTION - BASE w/15" LEGS & TOP
P/N 61123**

ITEM NO.	QTY	PART NO.	DESCRIPTION
1	1	61126	COMPLETE BASE WELDMENT
2	4	37900-0024	TOP PLATE, LEG WELDMENT
3	2	22290-0009	SWIVEL CASTER W/BRAKE FLAT PLATE
4	2	22290-0010	SWIVEL CASTER FLAT PLATE
5	32	2000531	3/8"-16 × 1" HEX SCREW, SST
6	32	21416-0001	3/8" FLAT WASHER, SS
7	32	21422-0001	3/8" SPLIT LOCK WASHER, ZP
8	1	22450-0228	RESTRAINT CABLE ASSEMBLY
9	1	61125	TOP COVER
10	2	59677	SCR, MS SL TR HD 10-32 × 2-1/2"
11	2	7A2S15	SCR, MS STR TRSHD 10-32 × 3/4"
12	1	61128	SUPPORT, SHELF

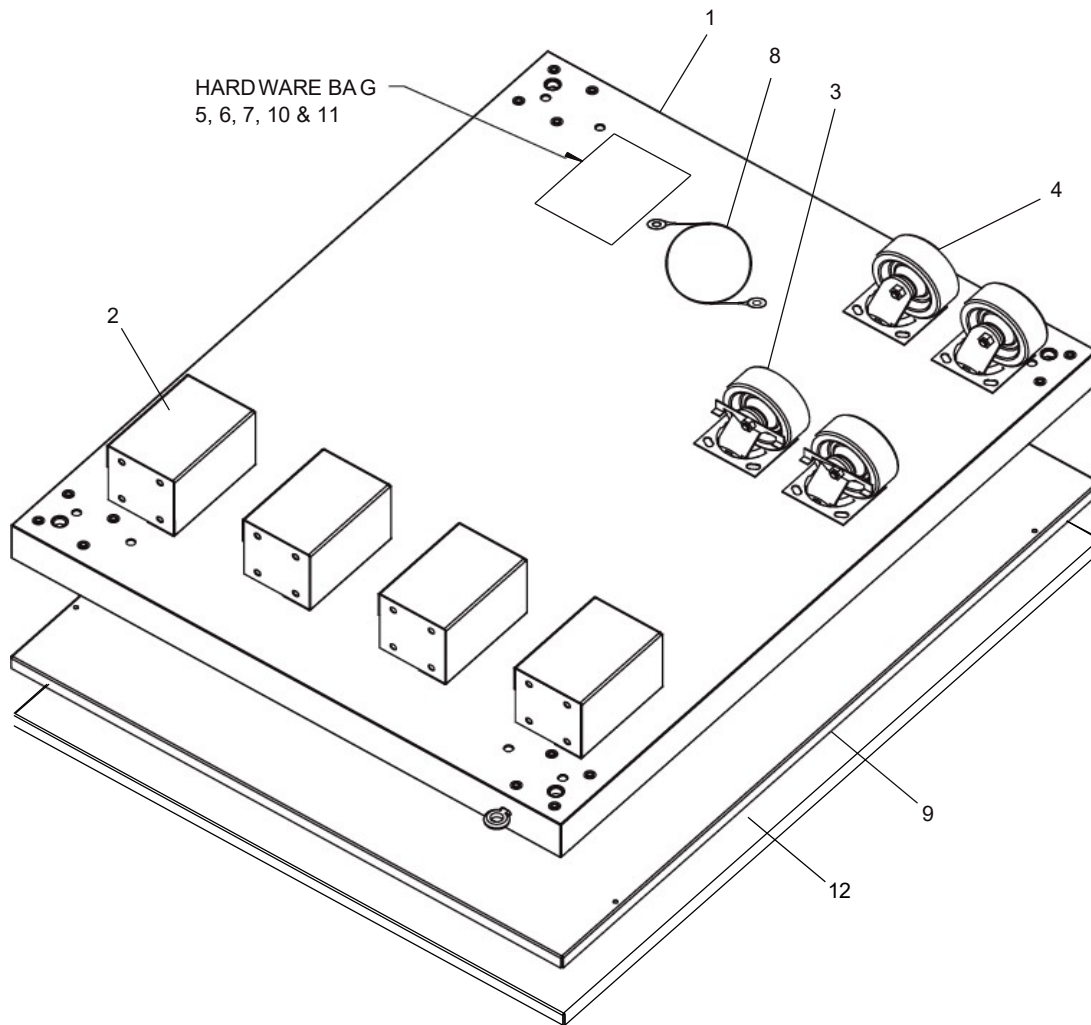
**Figure 2-2B. Model PS640 32" Single Oven
Option Base with Legs and Top**



**PARTS LIST FOR PS640 32" SERIES SINGLE OVEN OPTION - BASE w/15" LEGS & TOP
P/N 59720**

ITEM NO.	QTY	PART NO.	DESCRIPTION
1	1	60287	COMPLETE BASE WELDMENT
2	4	37900-0024	TOP PLATE, LEG WELDMENT
3	2	22290-0009	SWIVEL CASTER W/BRAKE FLAT PLATE
4	2	22290-0010	SWIVEL CASTER FLAT PLATE
5	32	2000531	3/8"-16 × 1" HEX SCREW, SST
6	32	21416-0001	3/8" FLAT WASHER, SS
7	32	21422-0001	3/8" SPLIT LOCK WASHER, ZP
8	1	22450-0228	RESTRAINT CABLE ASSEMBLY
9	1	59560	TOP COVER
10	2	59677	SCR, MS SL TR HD 10-32 × 2-1/2"
11	2	7A2S15	SCR, MS STR TRSHD 10-32 × 3/4"
12	1	59724	SUPPORT, SHELF

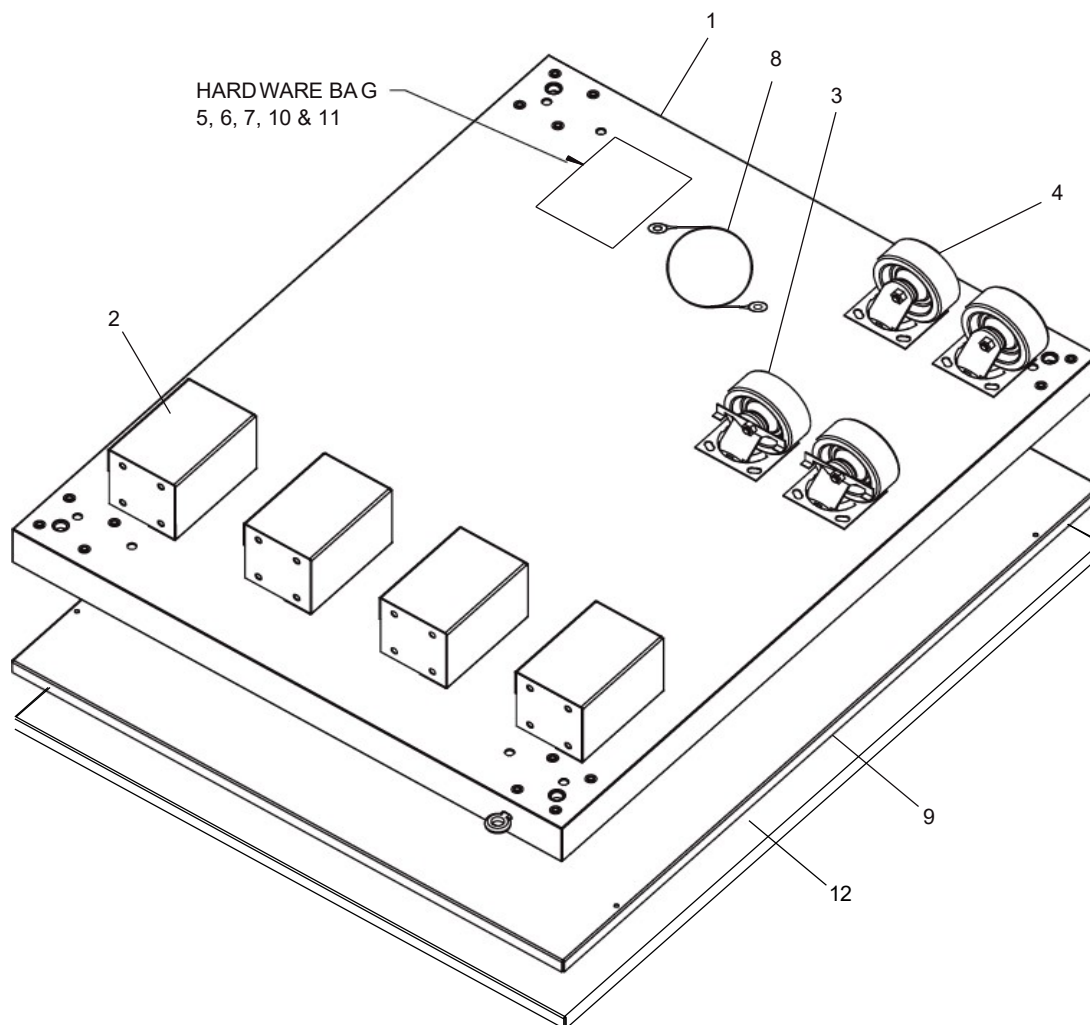
**Figure 2-3A. Model PS640 24" Double Oven
Option Base with Legs and Top**



**PARTS LIST FOR PS640 SERIES 24" DOUBLE OVEN OPTION - BASE w/6" LEGS & TOP
P/N 61457**

ITEM NO.	QTY	PART NO.	DESCRIPTION
1	1	61126	COMPLETE BASE WELDMENT
2	4	37900-0102	TOP PLATE, LEG WELDMENT
3	2	22290-0009	SWIVEL CASTER W/BRAKE FLAT PLATE
4	2	22290-0010	SWIVEL CASTER FLAT PLATE
5	32	2000531	3/8"-16 × 1 HEX SCREW, SST
6	32	21416-0001	3/8" FLAT WASHER, SS
7	32	21422-0001	3/8" SPLIT LOCK WASHER, ZP
8	1	22450-0228	RESTRAINT CABLE ASSEMBLY
9	1	61125	TOP COVER
10	2	59677	SCR, MS SL TR HD 10-32 × 2-1/2"
11	2	7A2S15	SCR, MS STR TRSHD 10-32 × 3/4"
12	1	61128	SUPPORT, SHELF

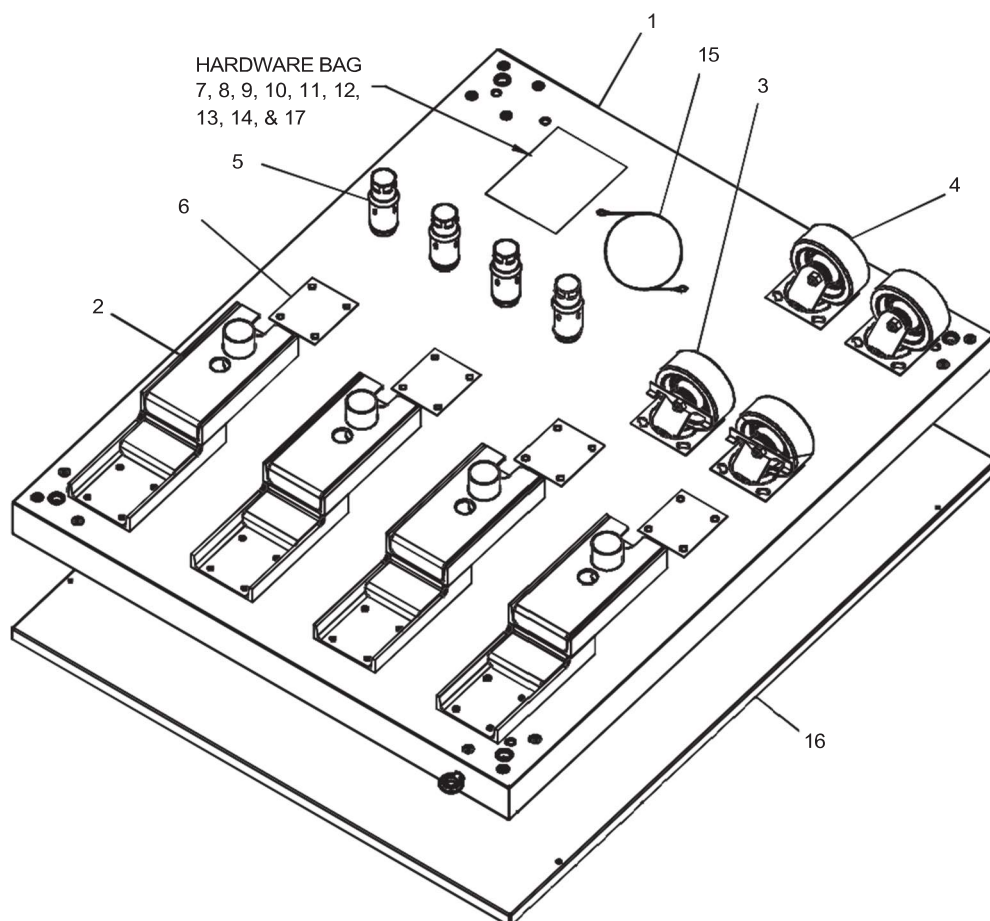
**Figure 2-3B. Model PS640 32" Double Oven
Option Base with Legs and Top**



**PARTS LIST FOR PS640 SERIES 32" DOUBLE OVEN OPTION - BASE w/6" LEGS & TOP
P/N 59725**

ITEM NO.	QTY	PART NO.	DESCRIPTION
1	1	60287	COMPLETE BASE WELDMENT
2	4	37900-0102	TOP PLATE, LEG WELDMENT
3	2	22290-0009	SWIVEL CASTER W/BRAKE FLAT PLATE
4	2	22290-0010	SWIVEL CASTER FLAT PLATE
5	32	2000531	3/8"-16 × 1 HEX SCREW, SST
6	32	21416-0001	3/8" FLAT WASHER, SS
7	32	21422-0001	3/8" SPLIT LOCK WASHER, ZP
8	1	22450-0228	RESTRAINT CABLE ASSEMBLY
9	1	59560	TOP COVER
10	2	59677	SCR, MS SL TR HD 10-32 × 2-1/2"
11	2	7A2S15	SCR, MS STR TRSHD 10-32 × 3/4"
12	1	59724	SUPPORT, SHELF

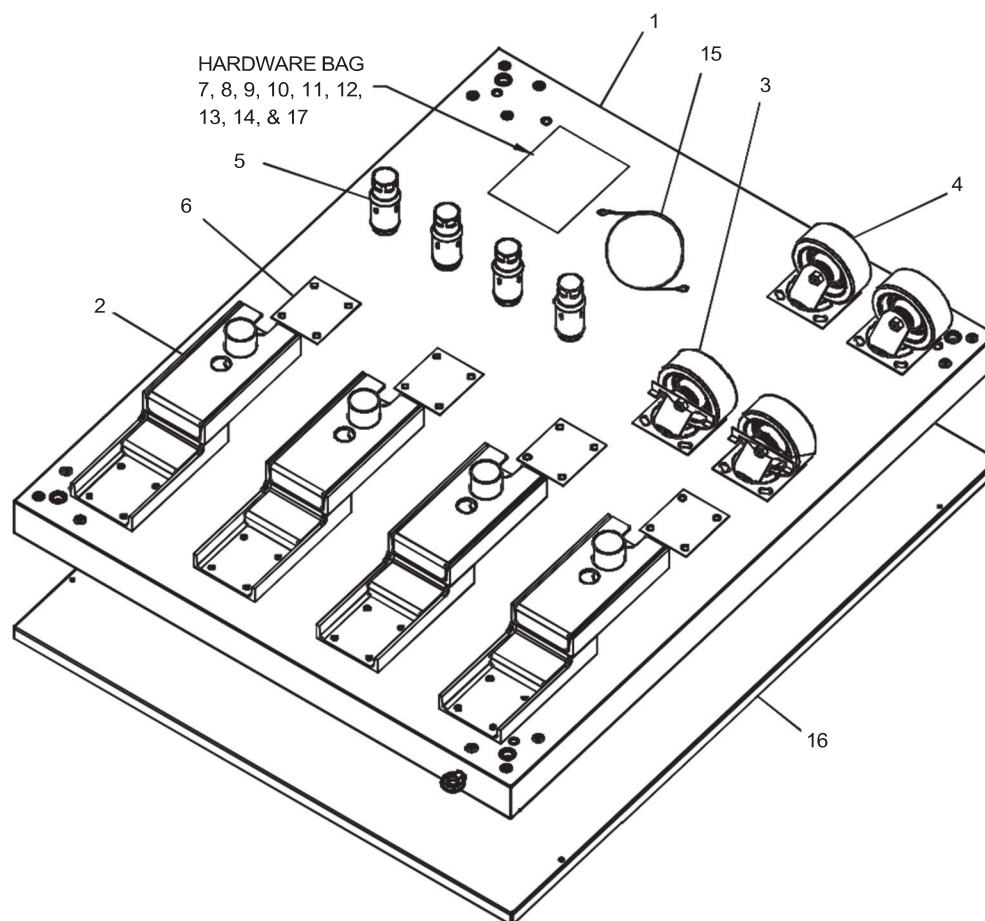
**Figure 2-4A. Model PS640 24" Triple Oven
Option Base with Outriggers and Top**



**PARTS LIST FOR PS640 SERIES 24" TRIPLE OVEN OPTION - BASE w/CASTERS & TOP
P/N 61458**

ITEM NO.	QTY	PART NO.	DESCRIPTION
1	1	61126	COMPLETE BASE WELDMENT
2	4	45209	QUAD OUTRIGGER WELDMENT
3	2	22290-0009	SWIVEL CASTER, W/BRAKE FLAT PLATE
4	2	22290-0010	SWIVEL CASTER, FLAT PLATE
5	4	45206	INSERT, QUAD ADJUSTMENT FOOT
6	4	45205	SPACER, QUAD CASTER
7	32	A27727	3/83 -16x1-1/4 HEX BOLT
8	32	A21924	3/83 FLAT WASHER, SS
9	32	21422-0001	3/83 SPLIT LOCK WASHER, ZP
10	16	21172-0004	3/83 -16 NYLON INSULATED LOCKNUT, ZC
11	8	2001048	1/23 -13 x 1-3/8 18-8 HEX CAPSCREW
12	8	A27750	1/23 18-8 FLAT WASHER
13	8	21422-0016	1/23 18-8 LOCK WASHER
14	2	59677	SCR, MS SL TR HD 10-32X2-1/2
15	1	22450-0228	RESTRAINT CABLE ASSEMBLY
16	1	61125	TOP COVER
17	2	7A2S15	SCR, MS STR TRSHD 10-32X3/4"

**Figure 2-4B. Model PS640 32" Triple Oven
Option Base with Outriggers and Top**



**PARTS LIST FOR PS640 SERIES 32" TRIPLE OVEN OPTION - BASE w/CASTERS & TOP
P/N 59726**

ITEM NO.	QTY	PART NO.	DESCRIPTION
1	1	60287	COMPLETE BASE WELDMENT
2	4	45209	QUAD OUTRIGGER WELDMENT
3	2	22290-0009	SWIVEL CASTER, W/BRAKE FLAT PLATE
4	2	22290-0010	SWIVEL CASTER, FLAT PLATE
5	4	45206	INSERT, QUAD ADJUSTMENT FOOT
6	4	45205	SPACER, QUAD CASTER
7	32	A27727	3/83 -16x1-1/4 HEX BOLT
8	32	A21924	3/83 FLAT WASHER, SS
9	32	21422-0001	3/83 SPLIT LOCK WASHER, ZP
10	16	21172-0004	3/83 -16 NYLON INSULATED LOCKNUT, ZC
11	8	2001048	1/23 -13 x 1-3/8 18-8 HEX CAPSCREW
12	8	A27750	1/23 18-8 FLAT WASHER
13	8	21422-0016	1/23 18-8 LOCK WASHER
14	2	59677	SCR, MS SL TR HD 10-32X2-1/2
15	1	22450-0228	RESTRAINT CABLE ASSEMBLY
16	1	59560	TOP COVER
17	2	7A2S15	SCR, MS STR TRSHD 10-32X3/4"

V. KEY SPARE PARTS KIT # 60904 – Available separately. See Figure 4-8. This Page Updated 8-20-2015

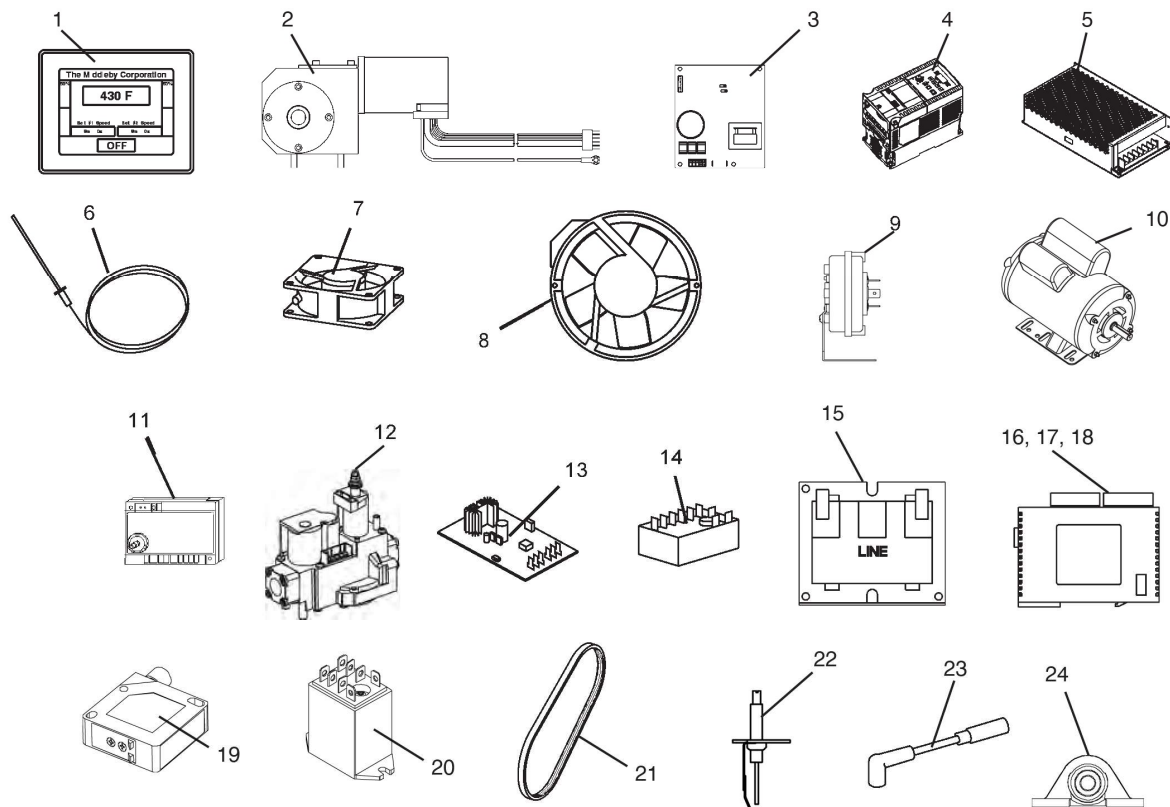
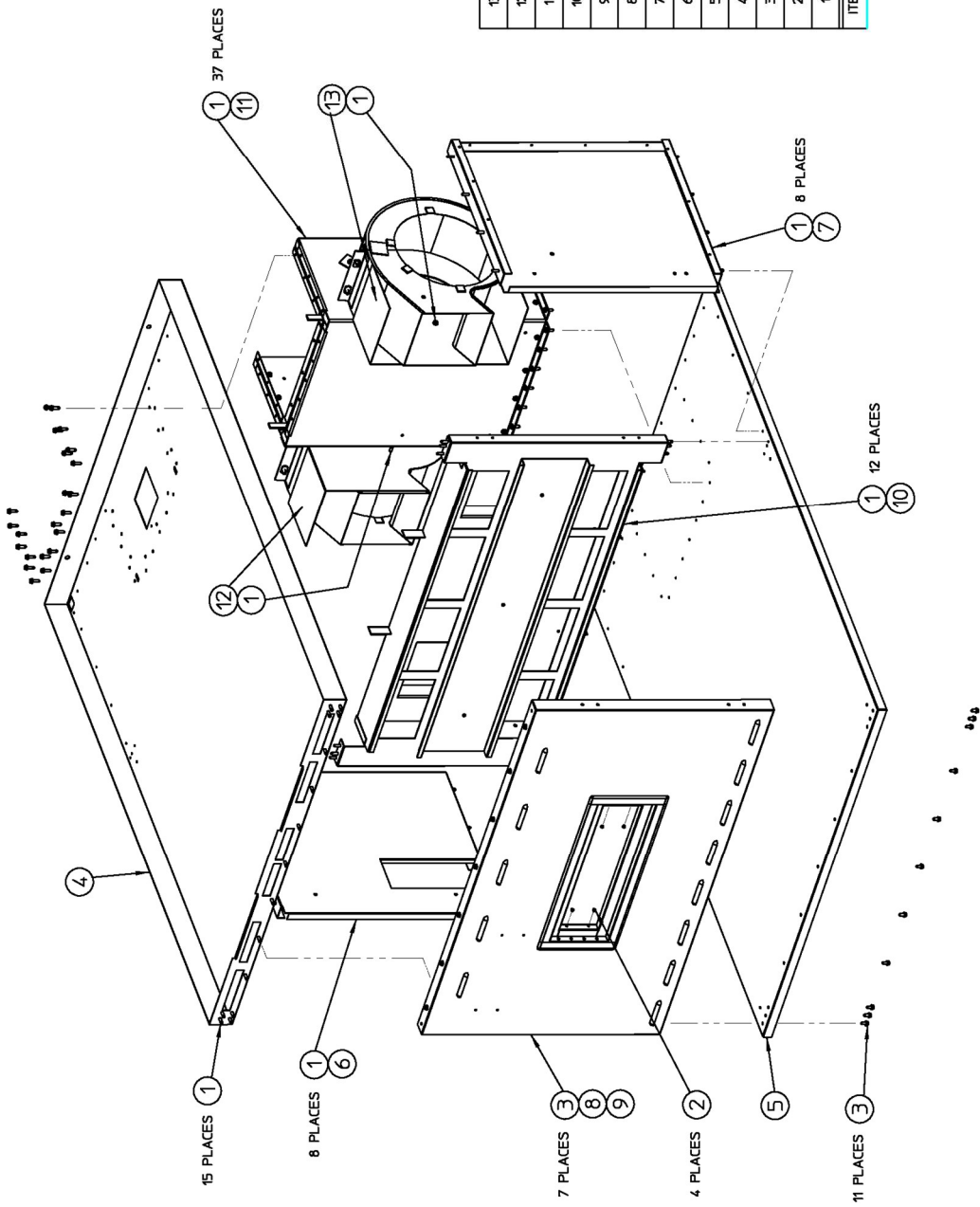
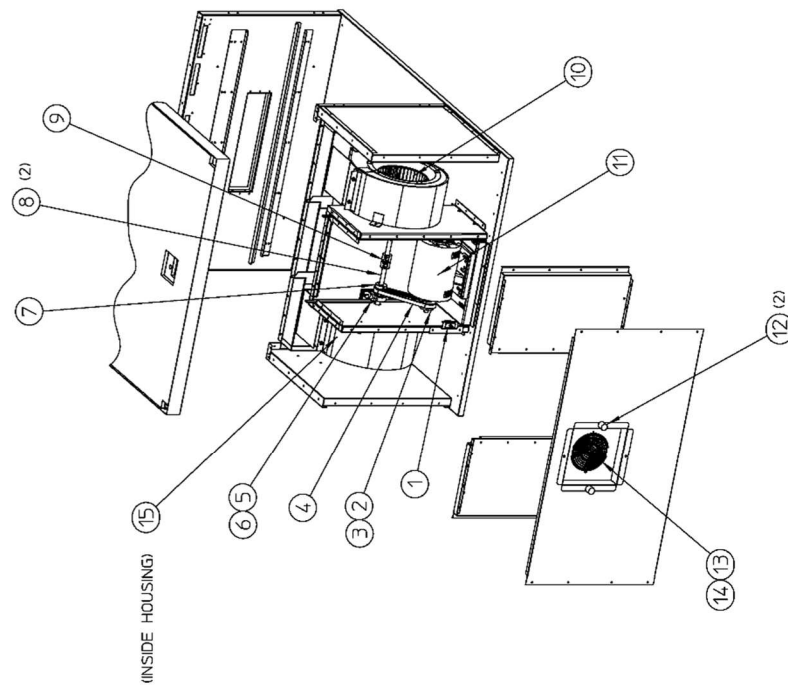


Figure 4-8. Key Spare Parts
KEY SPARE PARTS PS640 GAS

ITEM	QTY.	P/N	DESCRIPTION
1	1	74453	Digital Display, Programmed
2	1	74106	Motor, Conveyor Drive
3	1	74081	Conveyor Control Board
4	1	74097	Inverter, Programmed
5	1	74801	Power Supply
6	1	33984	Kit, Thermocouple
7	1	65061	Fan Cooling Control (97525 until 7/2011)
8	1	51399	Fan Cooling Rear
9	1	60598	Air Switch
10	1	57288	Motor, Blower
11	1	78971	Ignition Module
12	1	60679	Assy, Valve Gas Modulating
13	1	60671	Board, Signal Cond. 0-15VDC
14	1	33983	High Limit Control Module, 240V
15	2	32108	Transformer, 240V p:24Vs
16	1	67052	PLC Module, Programmed
17	1	58668	Thermocouple Module
18	1	73903	Current Module
19	1	72209	PhotoCell
20	2	71771	Relay, DPDT 24V Coil
21	1	59668	Belt, Blower
22	1	71037	Ignitor, Single Rod
23	1	50240	Ignition Cable, 25"
24	1	64106	Bearing, PB 5/8 Bore
25	1	71421	Hall Effect Sensor
26	1	60422	Photo Cell Label

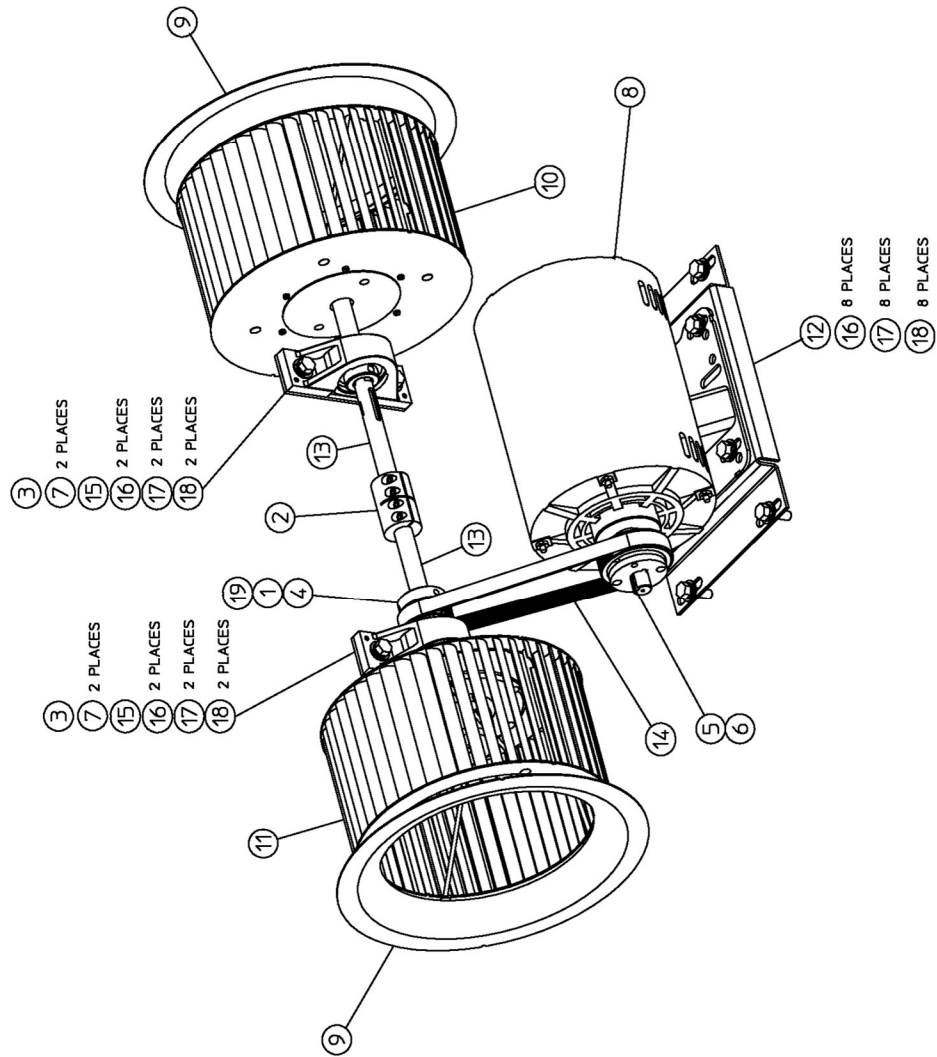


ITEM	QTY	PART NO.	DESCRIPTION
13	1	60818	WLDMT,HEAT REFLECT RH
12	1	60817	WLDMT,HEAT REFLECT LH
11	1	59569	ASSY,BLWR MTG
10	1	59567	WLDMT,PLENUM
9	1	59536	ASSY,FRT PNL INR
8	1	59533	ASSY,FRT PNL/WINDOW
7	1	75944	PANEL,INR RR SIDE RH
6	1	59432	PANEL,INR RR SIDE LH
5	1	59309	PANEL,FLOOR
4	1	59308	PANEL,ROOF
3	18	50281	SCR,#12X1/2 SL HX W/HD T/S ZC
2	4	21516-0001	RIVET,POP STY1 #43 GR51 SS
1	67	21296-0005	SCR,HX WSHD 12-14X3/4 SS BSD

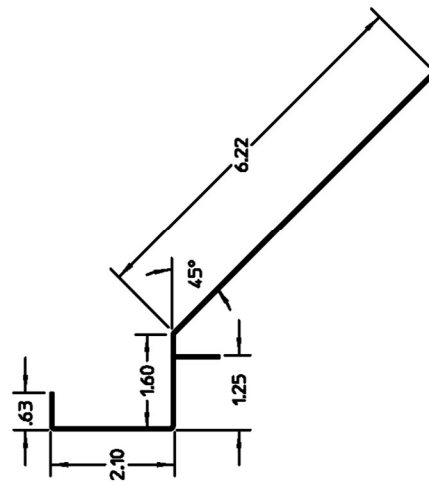
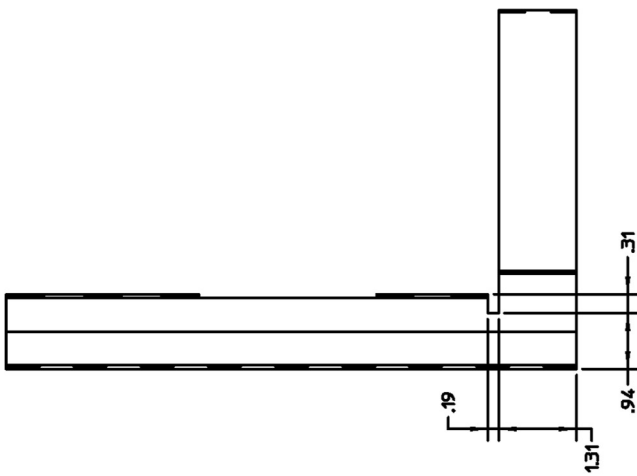
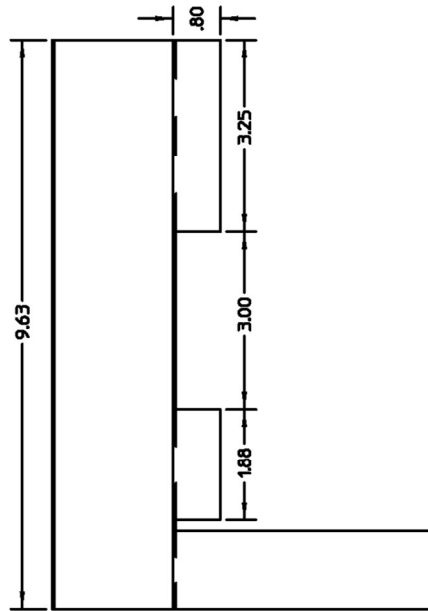
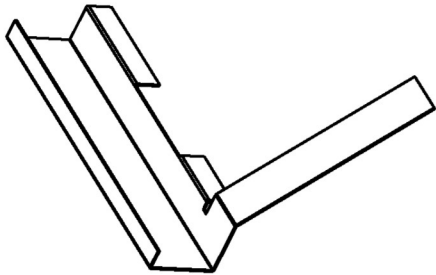


PS640/PS740/PS840 BLOWERS
AND
PS640VE2/PS740VE2/PS840VE2 BLOWERS

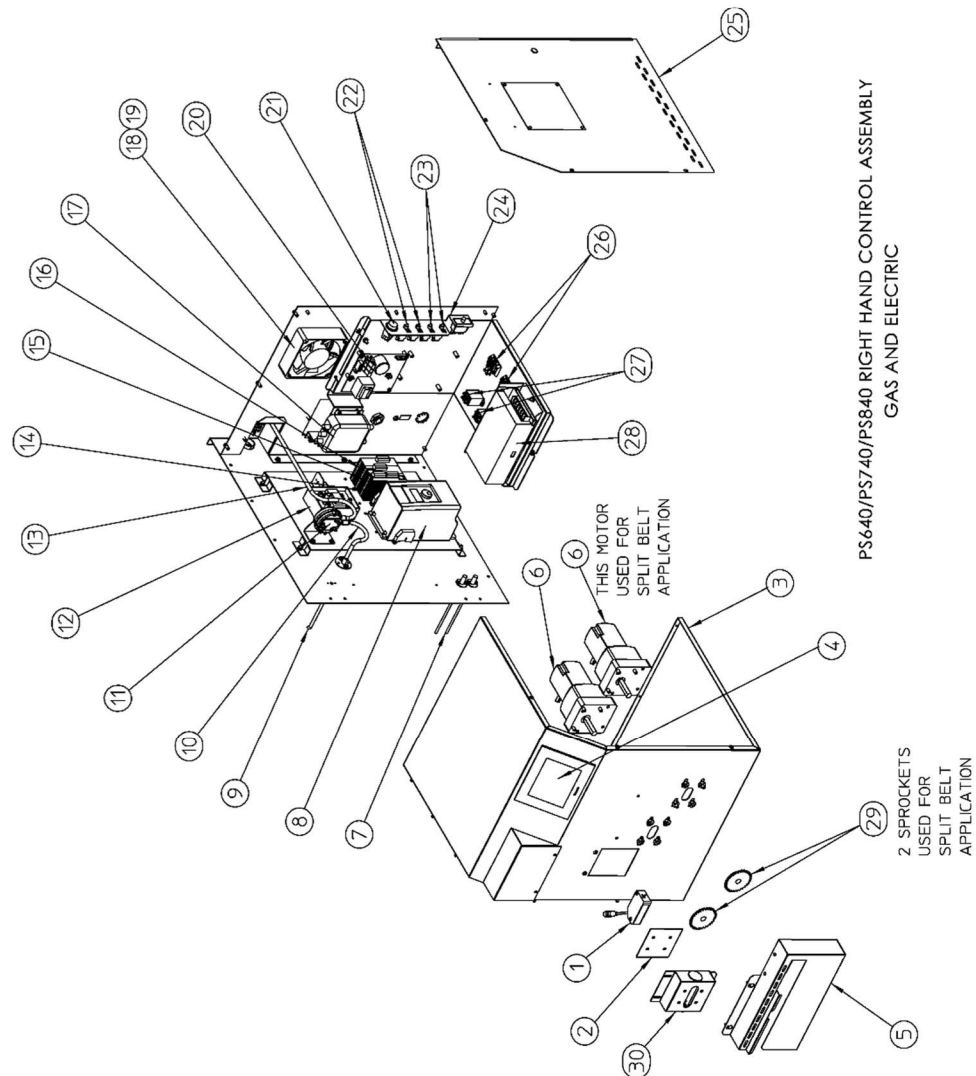
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	63910	SWITCH, MOMENTARY 10A NO 2 POLE
2	1	50260	SHEAVE, POLY V 6J25G
3	1	50259	BUSHING, G 5/8
4	1	59668	BELT, POLY-V 220J6
5	2	64106	BEARING, DODGE 5/8
6	2	50160	PLATE, SHIM PS536
7	1	50224	SHEAVE, POLY V 5/8X6J18
8	2	66330	SHAFT, BLOWER1
9	1	44748	COUPLING, COMPRESSION
10	1	59409	WHEEL, BLOWER CCW
11	1	57288	MOTOR, 2 HP 230/460V 1725 RPM
12	2	30927	BUMPER, WINDOW PS570S
13	1	31497	GUARD, COOLING FAN 360WB
14	1	51399	FAN, COOLING 230VAC 295 CFM
15	1	59411	WHEEL, BLOWER CW



ITEM	QTY	PART NO.	DESCRIPTION
19	2 DROPS	Z20004	SEALANT, LOCKTITE 242 THOLK BLUE
18	12	B301A8847	WASHER/FLAT 5/16 X 3/4 X 1/16
17	12	A3682	WASHER/LOCK 5/16
16	12	A3896	SCRHH 5/16-18X7/8
15	2	64106	BEARING/PB 5/8 BORE KRYTOX
14	1	59668	BELT,POLY-V 220J6
13	2	66330	SHAFT/BLOWER
12	1	59492	WLDNT,MTR MTG BRKT
11	1	59411	WHEEL/BLOWER CW
10	1	59409	WHEEL/BLOWER CCW
9	2	59407	RING/INLET BLOWER
8	1	57288	MOTOR,2HP 230/460V 1725 RPM
7	4	50271	PIN/ROLL PLN 5/32 X 5/8
6	1	50260	SHEAVE/POLY V 6J25G
5	1	50259	BUSHING/G 5/8
4	1	50224	SHEAVE/POLY V 5/8X6J18
3	2	50160	PLATE,SHIM P5536
2	1	44748	COUPLING,COMPRESSION
1	1	21651-0010	KEY,SO 3/16X3/16X100 STL

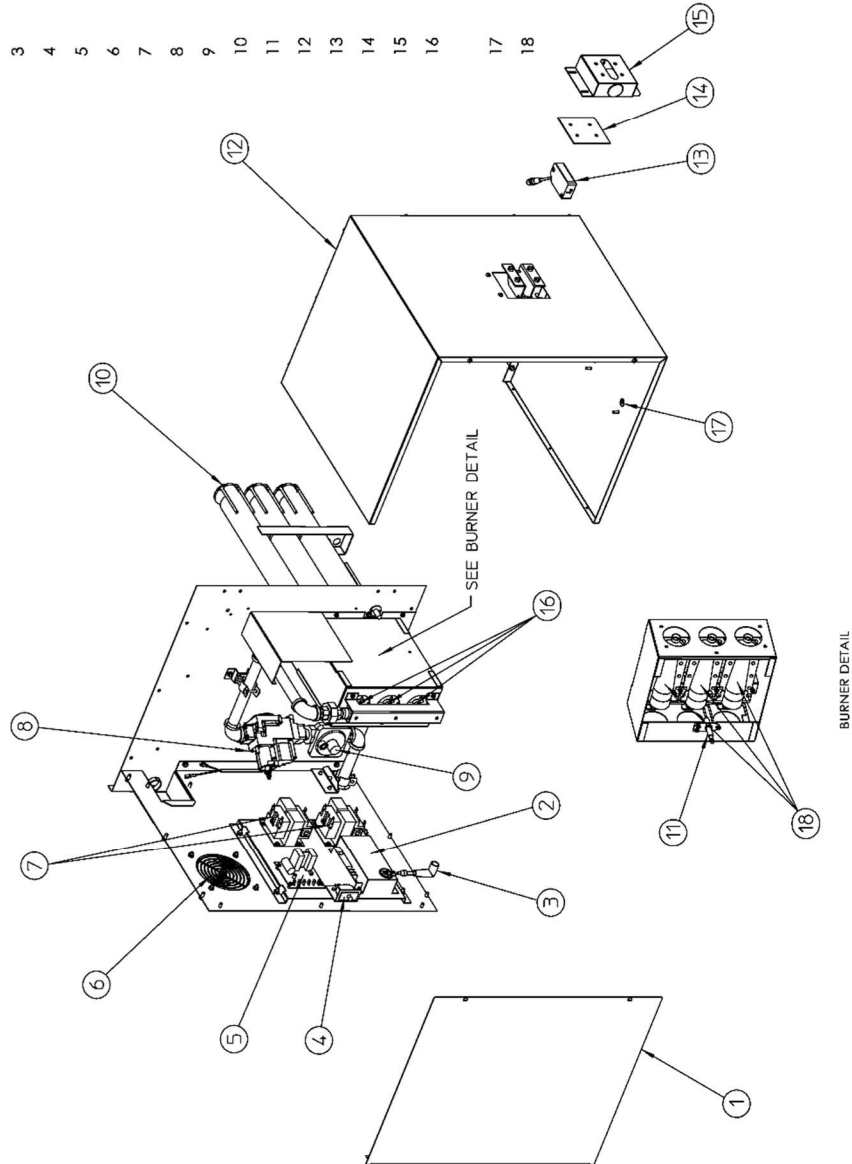


ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	72209	SENSOR/PHOTO EYE REPLACEMENT KIT
2	1	60314	PLASTIC, 3.75 X 3.75 X .063
3		NLA	NLA
4	1	74453	PROGRAMMABLE LOGIC CONTROLLER/DISPLAY KIT
5	1	59638	ASSY, CHAIN COVER
6	1	74106	GEAR MOTOR, 200:1, 24VDC
7	2	33984	THERMOCOUPLE, TYPE J SHIELDED 6.00 X 120"
8	1	74097	INVERTER, AC PROG. 640/740G
9	1	59572	PROBE, AIR SENSING 8.00 LONG
10	1	22450-0297	TUBE, AIR SWITCH
11	1	62044	SWITCH, AIR .08WC (CLEVELAND)
12	1	33983	CONTROL, ELEC HI-LIMIT 240V
13	1	62045	TUBE, AIR SWITCH 18"
14	1	67052	PLC MODULE AND SD CARD
15	1	58688	THERMOCOUPLE, DIGITAL FP0-TC4
16	1	73903	MODULE REPLACEMENT KIT
17	1	33813	FILTER, RFI TYPE F1780DD20
18	1	97525	FAN, 230VAC
19	1	27470-0047	GUARD, FAN
20	1	66759	CONTROLLER, TYPE DBL-2302 DC
21	1	35145	SWITCH, PB MOLVENO 250V
22	2	45036	BREAKER, CIRCUIT 240V 3A
23	2	45037	BREAKER, CIRCUIT 240V 15A
24	1	63909	SWITCH, INTERLOCK 10A NO 2 POLE
25	1	78955	ASSY, CONTROL DOOR RH
26	2	M0593	BLOCK, TERMINAL 2 POLE
27	2	71771	RELAY, DPDT 24VDC COIL
28	1	74801	POWER SUPPLY, 24VDC S150-24
29	1	22159-0004	SPROCKET, #25 30 TOOTH 1/2" BORE
30	1	74858	ASSEMBLY, COVER PHOTOEYE/PEM



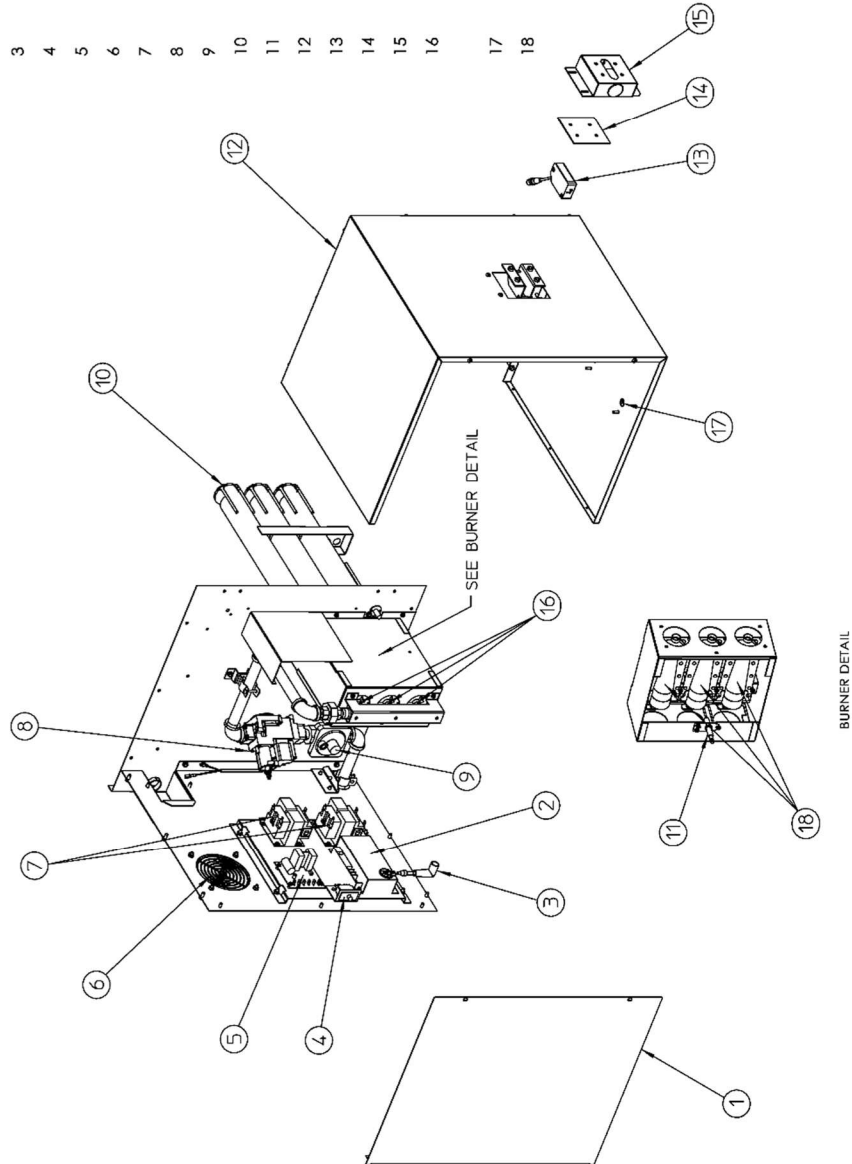
PS640/PS740/PS840 RIGHT HAND CONTROL ASSEMBLY
GAS AND ELECTRIC

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	59609	WELDMT, CONTROL DOOR LH
2	1	78971	IGNITION, SPARK MODULE
3	1	62282	CABLE, IGNITION 24 INCH
4	1	63909	SWITCH, INTERLOCK 10A NO 2 POLE
5	1	60671	BOARD, SIGNAL CONDITIONER
6	1	27470-0004	GUARD, FAN
7	2	32108	TRANSFORMER, 240V PRI 24V 65VA SECONDARY
8	1	60679	ASSY, GAS VALVE MOD HONEYWELL
9	1	64169	REGULATOR, GAS 1/2 X 1/2
10	1	71070	WELDMT, BURNER TUBE
11	1	71037	ELECTRODE
12	1	59394	WELDMT, CONTROL BOX LH
13	1	72209	SENSOR, ALLEN-BRADLEY 42BT
14		NLA	
15	1	74857	ASSEMBLY, COVER PHOTOEYE/PEM
16	3	60940	ORIFICE, MAIN NAT #36 (.1065)
	3	60941	ORIFICE, MAIN LP #51 (.067)
17	1	32127	LABEL, GROUND SYM EL
18	3	59434	BURNER, INSHOT 40K

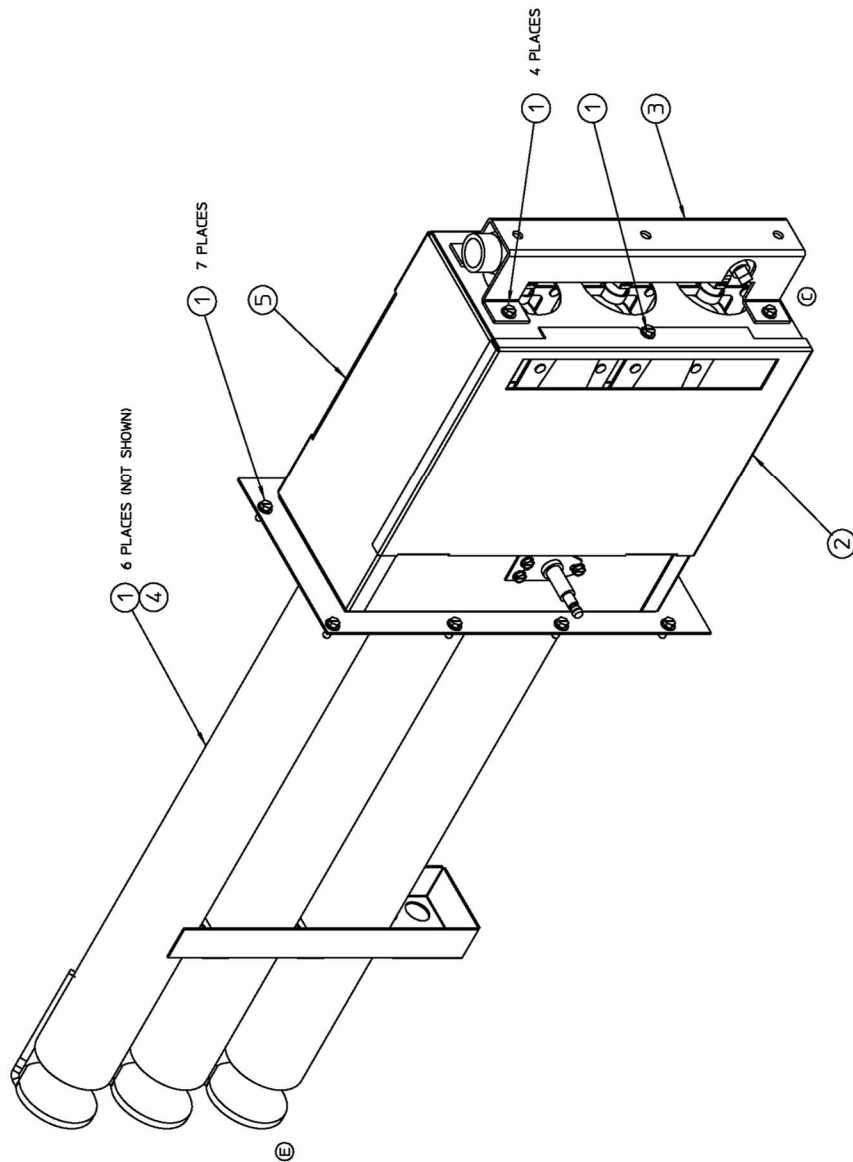


PS640G/PS740G/PS840G LEFT HAND CONTROL ASSEMBLY

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	59609	WELDMT, CONTROL DOOR LH
2	1	78971	IGNITION, SPARK MODULE
3	1	62282	CABLE, IGNITION 24 INCH
4	1	63909	SWITCH, INTERLOCK 10A NO 2 POLE
5	1	60671	BOARD, SIGNAL CONDITIONER
6	1	27470-0004	GUARD, FAN
7	2	32108	TRANSFORMER, 240V PRI 24V 65VA SECONDARY
8	1	60679	ASSY, GAS VALVE MOD HONEYWELL
9	1	64169	REGULATOR, GAS 1/2 X 1/2
10	1	71070	WELDMT, BURNER TUBE
11	1	71037	ELECTRODE
12	1	59394	WELDMT, CONTROL BOX LH
13	1	72209	SENSOR, ALLEN-BRADLEY 42BT
14		NLA	
15	1	74858	ASSEMBLY, COVER PHOTOEYE/PEM
16	3	60940	ORIFICE, MAIN NAT #36 (.1065)
	3	60941	ORIFICE, MAIN LP #51 (.067)
17	1	32127	LABEL, GROUND SYM EL
18	3	59434	BURNER, INSHOT 40K

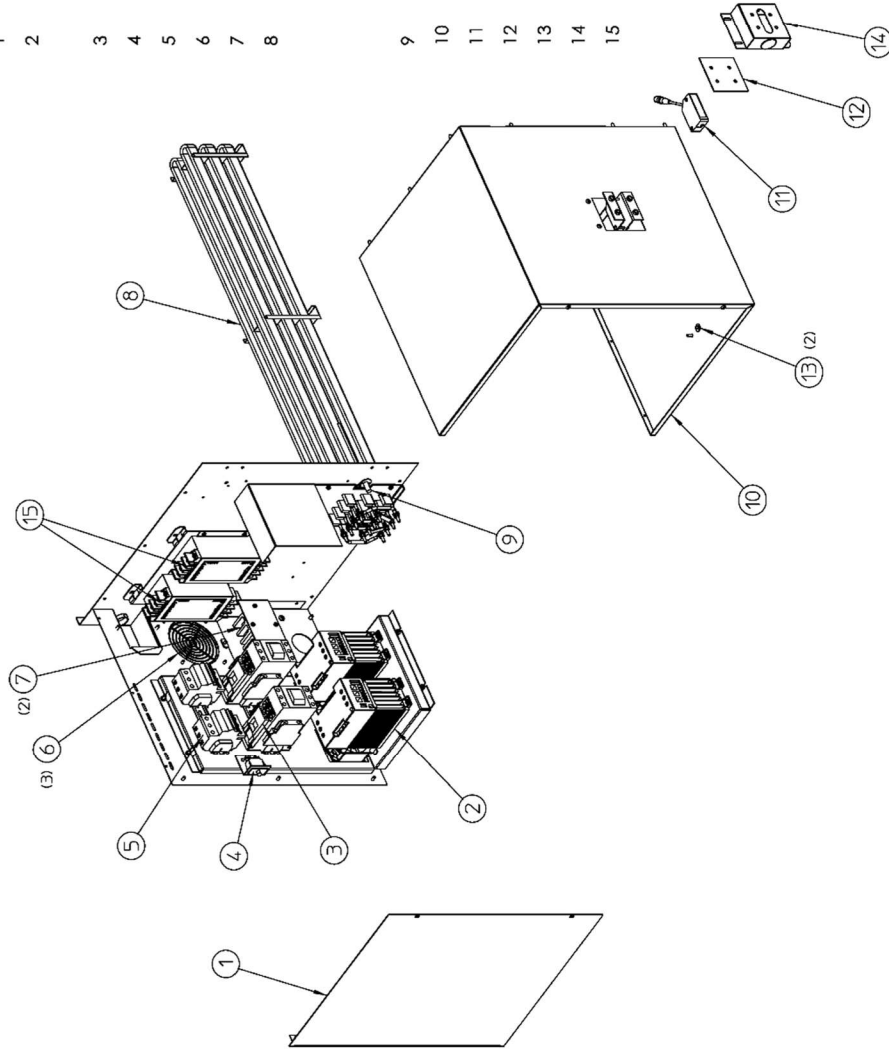


PS640G/PS740G/PS840G LEFT HAND CONTROL ASSEMBLY

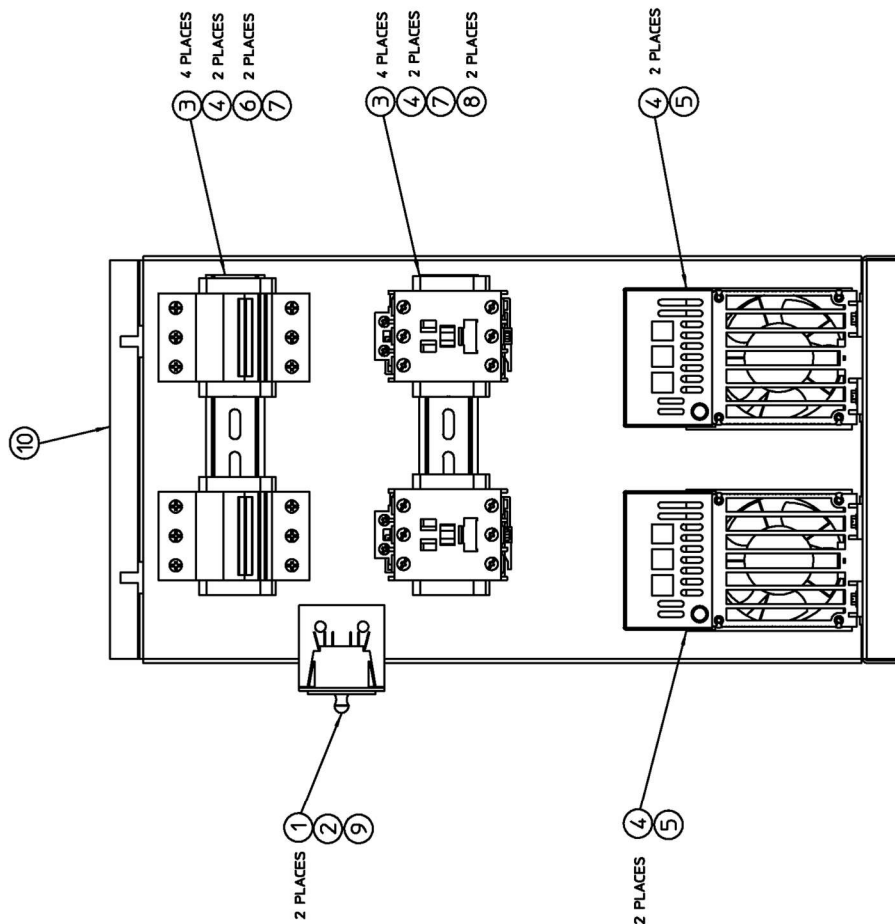


5	1	59920	ASSY/INSHOT HOUSING	(E)
4	1	71070	WLDMT.BRNR TUBE	(E)
3	1	60965	ASSY/MANF 99,000 BTU/HR	(D)
2	1	59461	COVER/INSHOT HOUSING	
1	18	44661	SCR/REG HWH 8-32X3/8 NP	
ITEM	QTY	PART NO.	DESCRIPTION	

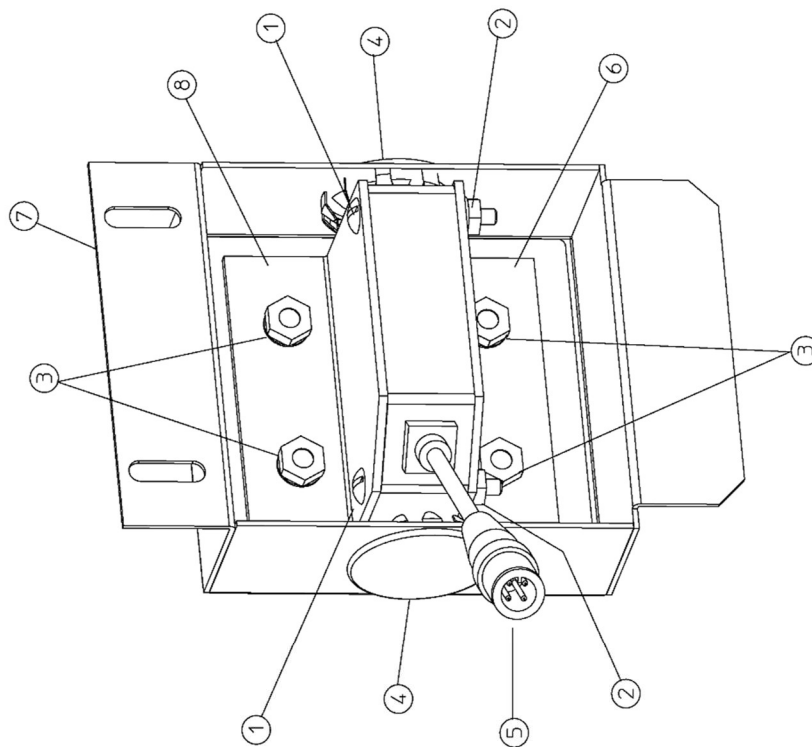
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	59609	WELDMENT, CONTROL DOOR LH
2	2	77104	CONTROLLER, PS555EL 208-240V
3	2	76289	CONTROLLER, 380-480V PS555EL
4	2	60452	CONTACTOR, 24VDC COIL 85 AMP
5	1	63909	SWITCH, INTERLOCK 10A NO 2 POLE
6	2	45019	BREAKER, CIRCUIT 480VAC 63AMP 3 POLE
7	3	27470-0004	GUARD, FAN
8	2	27480-0001	BLOCK, POWER DIST 2 POLES 600V
9	1	60750	ELEMENT, HEATING 208V 27KW (208V & 416V OVENS)
10	1	60751	ELEMENT, HEATING 240V 27KW
11	1	60752	ELEMENT, HEATING 380V 27KW
12	1	60753	ELEMENT, HEATING 480V 27KW
13	1	33984	THERMOCOUPLE, TYPE J SHIELDED 6.00 X 120
14	1	59394	WELDMENT, BOX CONTROL LH
15	1	72209	SENSOR, ALLEN-BRADLEY 42BT
		NLA	
	1	32127	LABEL, GROUND SYM EL
	1	74857	ASSEMBLY, COVER PHOTOEYE/PEM
	2	58131	FILTER, RFI 50A 400V 3 PH 50/60 HZ (CE ONLY)



PS640E/PS740E/PS840E LEFT HAND CONTROL ASSEMBLY

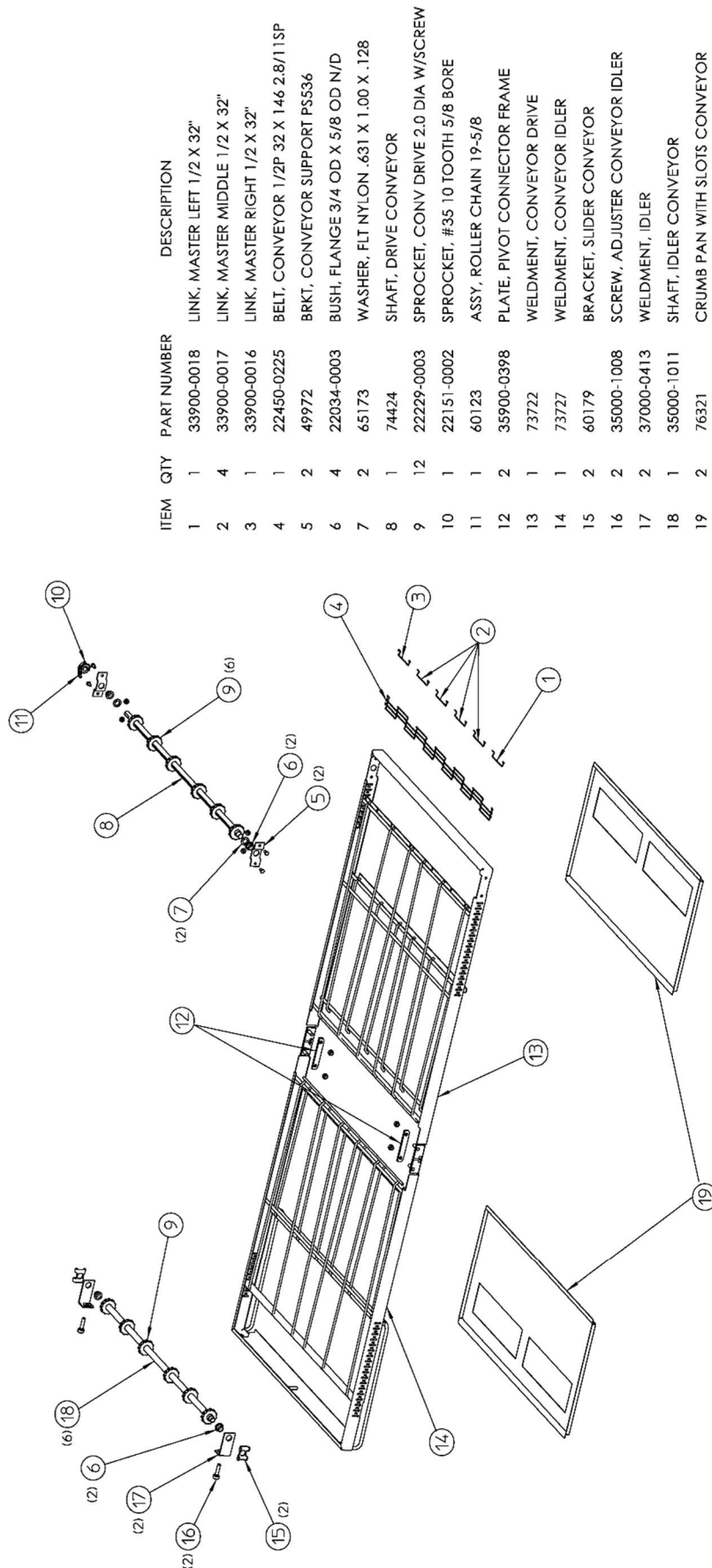


ITEM	QTY	PART NO.	DESCRIPTION
10	1	60629	ASSY. CTRL. REAR COMP/PEM
9	1	60524	BRKT DOOR SWITCH
8	2	60452	CONTACTOR 24VDC COIL 85A
7	2	45413	RAIL DIN 7.5 LONG
6	2	45019	BREAKER CKT 480VAC 63A 3POLE
5	2	77104	CONTROLLER PSS55EL 208-240V
4	8	44661	SCR REG HHH 8-32X3/8 NP
3	8	33363	END STOP ENTRELEC
2	1	63909	SWITCH INT LCK 10A NO2P
1	2	21516-0001	RIVET POP STY1 #43 GR51 SS



8	1	61819	ASSY, BRKT SENSOR/PEM, TOP
7	1	74857	ASSY,COVER PHOTOEYE/PEM
6	1	61820	ASSY, BRKT SENSOR/PEM, BTM
5	1	72209	SENSOR,ALLEN-BRADLEY 42BT
4	2	3102533	PLUGHOLE 1.125 DIA.
3	4	2001371	NUT,KEPS 10-32 ZP
2	2	2001327	NUT,NYLOK 6-32
1	2	1412L8805	SCR,TMM 6-32X1-1/4
ITEM	QTY	PART NO.	DESCRIPTION

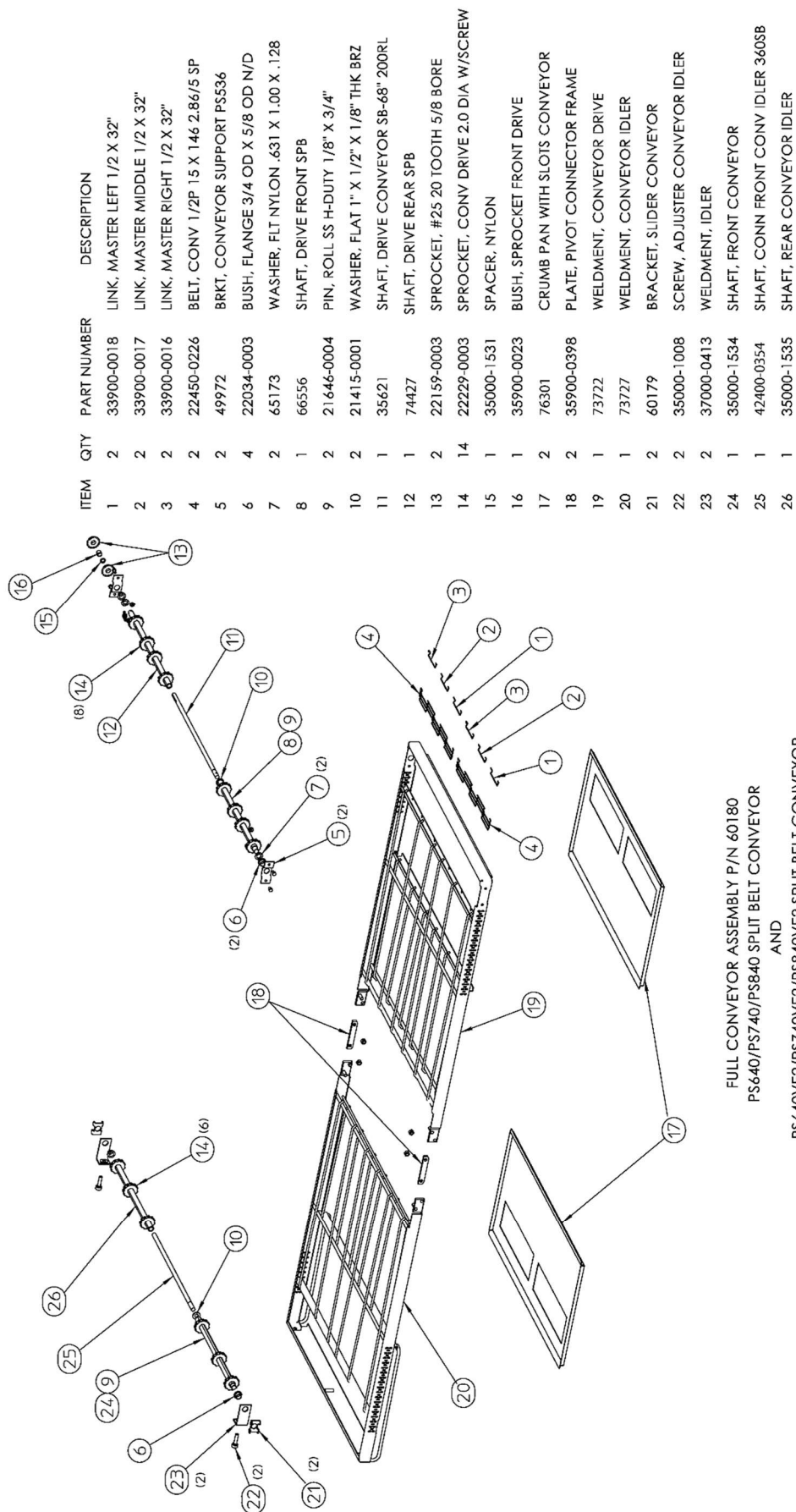
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ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	33900-0018	LINK, MASTER LEFT 1/2 X 32"
2	4	33900-0017	LINK, MASTER MIDDLE 1/2 X 32"
3	1	33900-0016	LINK, MASTER RIGHT 1/2 X 32"
4	1	22450-0225	BELT, CONVEYOR 1/2P 32 X 146 2.8/11SP
5	2	49972	BRKT, CONVEYOR SUPPORT PS536
6	4	22034-0003	BUSH, FLANGE 3/4 OD X 5/8 OD N/D
7	2	65173	WASHER, FLT NYLON .631 X 1.00 X .128
8	1	74424	SHAFT, DRIVE CONVEYOR
9	12	22229-0003	SPROCKET, CONV DRIVE 2.0 DIA W/SCREW
10	1	22151-0002	SPROCKET, #35 10 TOOTH 5/8 BORE
11	1	60123	ASSY, ROLLER CHAIN 19-5/8
12	2	35900-0398	PLATE, PIVOT CONNECTOR FRAME
13	1	73722	WELDMENT, CONVEYOR DRIVE
14	1	73727	WELDMENT, CONVEYOR IDLER
15	2	60179	BRACKET, SLIDER CONVEYOR
16	2	35000-1008	SCREW, ADJUSTER CONVEYOR IDLER
17	2	37000-0413	WELDMENT, IDLER
18	1	35000-1011	SHAFT, IDLER CONVEYOR
19	2	76321	CRUMB PAN WITH SLOTS CONVEYOR

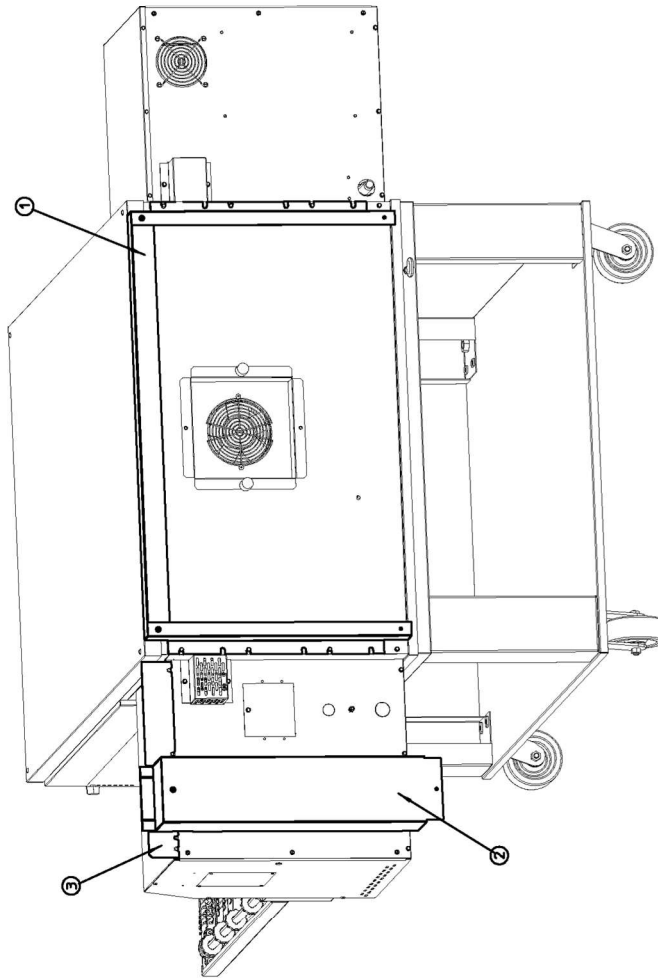
FULL CONVEYOR ASSEMBLY P/N 60099
 PS640/PS740/PS840 SINGLE BELT CONVEYOR
 AND
 PS640VE2/PS740VE2/PS840VE2 SINGLE BELT CONVEYOR

[new image coming – 76329]

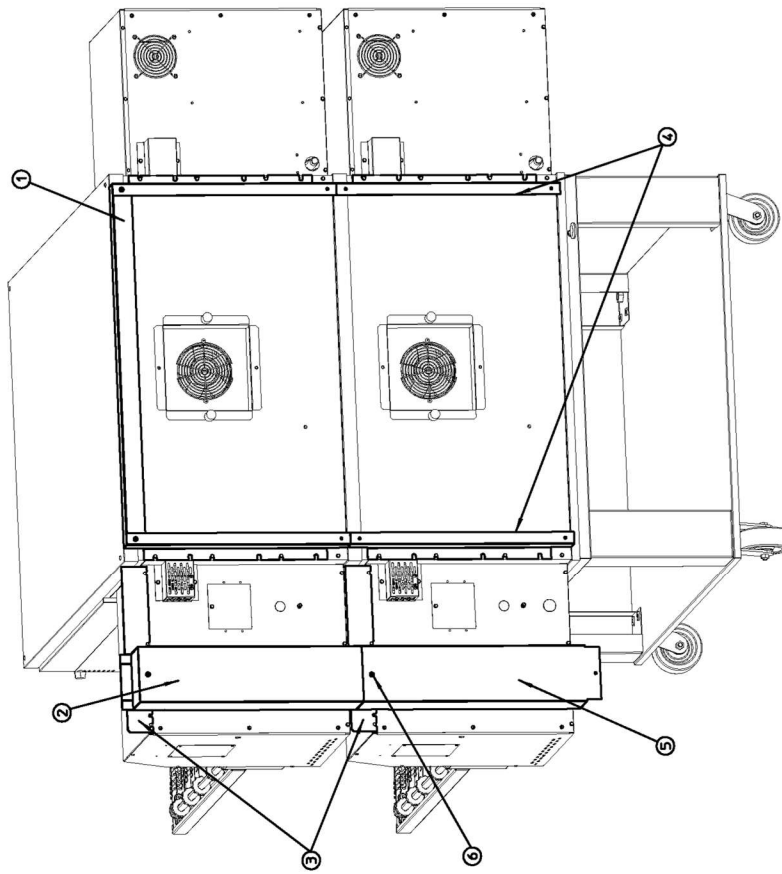


FULL CONVEYOR ASSEMBLY P/N 60180
 PS640/PS740/PS840 SPLIT BELT CONVEYOR
 AND
 PS640VE2/PS740VE2/PS840VE2 SPLIT BELT CONVEYOR

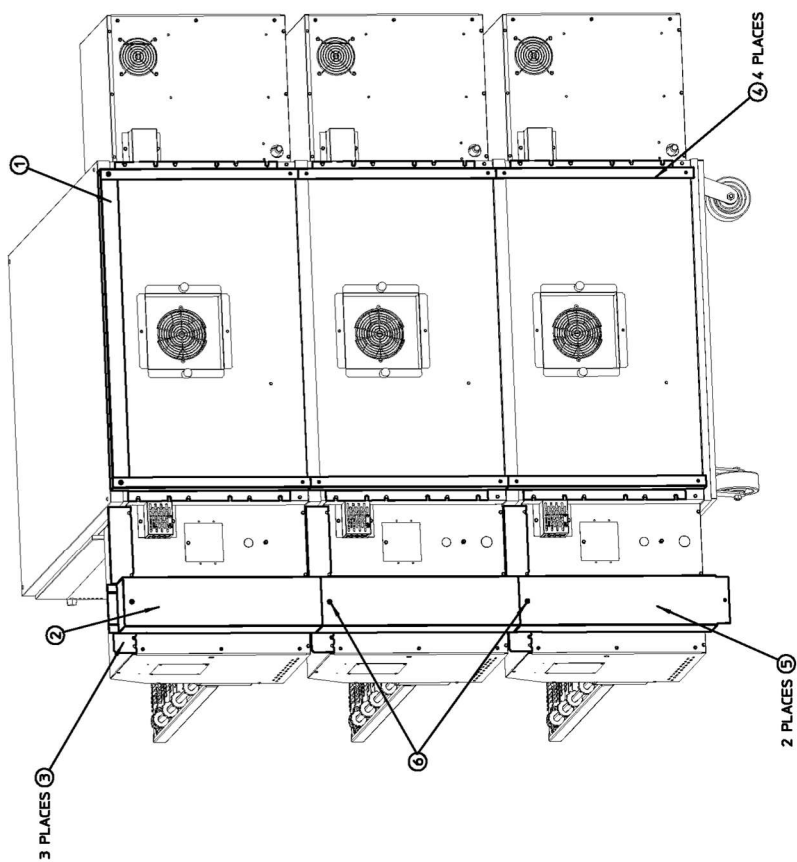
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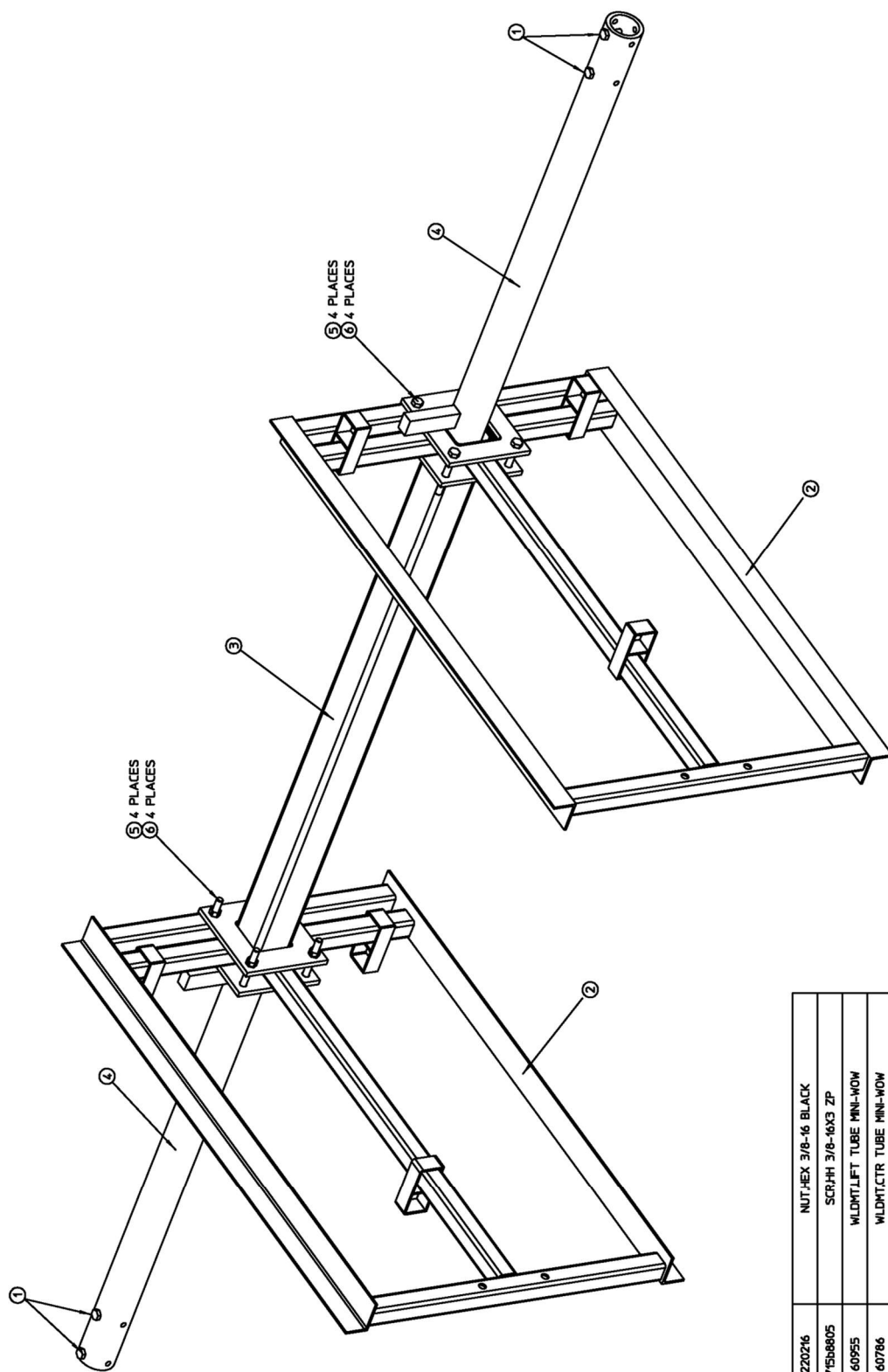
3	1	60832	PLATE/ARRBLOCK 640/740/840/542
2			N/A
1	1	65134	ASSY/CENTER SNORKEL/TOP
ITEM	QTY	PART NO.	DESCRIPTION



3	2	60832	PLATE.AIRBLOCK 640/740/840/542	6	1	2000852	SCR,TEKS HHM 10-6x1/2 ZP
2			NLA	5	1	65135	GUARD.SNORKEL FAN
1	1	65134	ASSY.CENTER SNORKEL/TOP	4	2	65137	GUARD.SNORKEL CENTER
ITEM	QTY	PART NO.	DESCRIPTION	ITEM	QTY	PART NO.	DESCRIPTION



3	3	60832	PLATE,ARBLOCK 640/740/840/542	6	2	2000852	SCR,TEKS HHH 10-6X1/2 ZP
2			NLA	5	2	65135	GUARD,SNORKEL FAN
1	1	65134	ASSY,CENTER SNORKEL/TOP	4	4	65137	GUARD,SNORKEL CENTER
ITEM	QTY	PART NO.	DESCRIPTION	ITEM	QTY	PART NO.	DESCRIPTION



ITEM	QTY	PART NO.	DESCRIPTION
6	8	220216	NUT-HEX 3/8-16 BLACK
5	8	D71508005	SCR-HH 3/8-16X3 ZP
4	2	60955	WLDMTLFT TUBE MIN-WOW
3	1	60786	WLDMTCTR TUBE MIN-WOW
2	2	60784	WLDMT.OVEN LIFT BRKT MIN-WOW
1	4	2000531	SCR,CAP HX HD 3/8-16X1 NP

NOTES

NOTES

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

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.

NOTICE

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

NOTICE

Middleby Marshall reserves the right to change specifications at any time.



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.

