

Published Manual Number/ECN: MAP5050ACE/2022246A

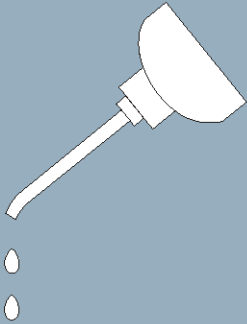
- Publishing System: TPAS2
- Access date: 06/10/2022
- Document ECNs: Latest



Service & Mechanical Parts

5050

Shaker, Gas and Steam Dryers



**Read the
separate
safety
manual
before
installing,
operating,
or servicing**



Table of Contents

MAP5050ACE/22246A

Page	Description	Document
1	Limited Standard Warranty	BMP720097/2019036
2	How to Get the Necessary Repair Components	BIUUUD19/20081231
3	Trademarks	BNUUUU02/2021104A
5	1. Safety	
6	Safety—Dryers, Conditioners, and Shakers	BIUUUS27PD/20051111
12	Fire Safety System Operation and Maintenance	BNDGUH01/2021392
18	Safety Placard Use and Placement 5040, 5050, 6450, 6458, 7272, 7676, 8282 Dryers	BMP040034/2021211A
20	Safety Placard Use and Placement - ISO 5040, 5050, 6450, 6458, 6464, 7272, 7676, 8282 Dryers	BMP040035/2021211A
23	2. Service and Maintenance	
24	Set the Heating System—Air Heat Dryer	BNDGUM01/2022223A
36	Torque Requirements for Fasteners	BIUUUM04/20180109
45	3. Covers and Shipping Brackets	
46	Lifting Brackets	BMP040074/2020414A
48	Dryer to Dryer Mounting Parts	BMP040075/2020414A
50	Pedestal Base 50040 & 50050 Dryers	BMP100006/2012114B
54	Covers - 5040TG2L/R TS2L/R, 5050TG1L/R, TS1L/R	BMP100004/2012114B
56	Unload Bridge Installation	BMP070009/2020432A
59	4. Drive Assemblies	
60	Drive Chart - 5040TG2L/R, TS2L/R; 5050TG1L/R, TS1L/R	BMP100007/2012144B
62	Cylinder Installation - 5040TG2L/R, TS2L/R; 5050TG2L/R, TS2L/R	BMP100009/2012114B
64	Guide Roller Assembly	BMP100011/2017323A
66	T-Seal Assembly - 5040TG2L/R, TS2L/R; 5050TG1L/R, TS1L/R	BMP100010/2012114B
68	How to Replace the T-Seal	MSSM0108AE/198739BV
70	Drive & Support Roller Installation - 5040TG2L/R, TS2L/R; 5050TG1L/R, TS1L/R	BMP100008/2012114B
75	5. Door Assemblies	
76	Load Door Installation - 5040TG2L/R TS2L/R; 5050TG1L/R, TS1L/R	BMP100018/2012114B
79	Load Door - 5040TG2L/R, TS2L/R; 5050TG1L/R, TS1L/R	BMP100019/2012114B
80	Unload Door - 5040TG2L/R, TS2L/R; 5050TG1L/R, TS1L/R	BMP100005/2012114B
82	Unload Shroud - 5040TG2L/R, TS2L/R; 5050TG1L/R, TS1L/R	BMP100016/2012114B
83	6. Air Flow Assemblies	

Table of Contents, continued

MAP5050ACE/22246A

Page	Description	Document
84	Blower Installation & Exhaust Duct to Rear - 5040TG2L/R, TS2L/R; 5050TG1L/R, TS1L/R	BMP100012/2012114B
88	Main Air Blower Wheel Replacement	BIPD6M06/20100326
91	Blower Bearing 5050, 6450, 6458, 6464, 7272, 7676, 8282 Dryers	BMP010033/2020503A
93	Blower Main Damper Air Cylinders	BMP070028/2016445A
96	Temperature Sensors - 5040TG2L/R, TS2L/R; 5050TG1L/R, TS1L/R	BMP100020/2012085B
99	7. Gas Assemblies	
100	Natural Gas Schematic CSA - 5040TG2L/R; 5050, 6458, 6464, 7272 TG1L/R	BMP080027/2012114B
102	Natural Gas Schematic, Europe - 5040TG2L/R; 5050TG1L/R	BMP080026/2012114B
104	Gas Piping, CSA and Europe - 5040TG2L/R; 5050TG1L/R	BMP080025/2012114B
107	Firebox, Burner & Combustion Air - 5040TG2R/L; 5050TG1R/L	BMP100013/2012114B
111	8. Steam Assemblies	
112	Steam Coil & Installation - 5040TS2L, 5040TS2R	BMP100014/2010095B
114	Steam Coil Damper Air Cylinder, 2-Way - 5040TS2L/R; 5050TS1L/R	BMP100015/2012114B
117	9. Water Assemblies	
118	Sprinkler Assembly - All Dryers	BMP100017/2010096B
121	10. Pneumatic Assemblies	
122	Internal Lint Screens	BMP130033/2019295A
135	Pneumatic Schematic 5050,6458, 6464, 7272, 8282 Dryers	BMP000064/2019295A

PELLERIN MILNOR CORPORATION LIMITED STANDARD WARRANTY

We warrant to the original purchaser that MILNOR machines including electronic hardware/software (hereafter referred to as "equipment"), will be free from defects in material and workmanship for a period of one year from the date of shipment (unless the time period is specifically extended for certain parts pursuant to a specific MILNOR published extended warranty) from our factory with no operating hour limitation. This warranty is contingent upon the equipment being installed, operated and serviced as specified in the operating manual supplied with the equipment, and operated under normal conditions by competent operators.

Providing we receive written notification of a warranted defect within 30 days of its discovery, we will—at our option—repair or replace the defective part or parts, EX Factory (labor and freight specifically NOT included). We retain the right to require inspection of the parts claimed defective in our factory prior to repairing or replacing same. We will not be responsible, or in any way liable, for unauthorized repairs or service to our equipment, and this warranty shall be void if the equipment is tampered with, modified, or abused, used for purposes not intended in the design and construction of the machine, or is repaired or altered in any way without MILNOR's written consent.

Parts damaged by exposure to weather, to aggressive water, or to chemical attack are not covered by this warranty. For parts which require routine replacement due to normal wear—such as gaskets, contact points, brake and clutch linings, belts, hoses, and similar parts—the warranty time period is 90 days.

We reserve the right to make changes in the design and/or construction of our equipment (including purchased components) without obligation to change any equipment previously supplied.

ANY SALE OR FURNISHING OF ANY EQUIPMENT BY MILNOR IS MADE ONLY UPON THE EXPRESS UNDERSTANDING THAT MILNOR MAKES NO EXPRESSED OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR USE OR PURPOSE OR ANY OTHER WARRANTY IMPLIED BY LAW INCLUDING BUT NOT LIMITED TO REDHIBITION. MILNOR WILL NOT BE RESPONSIBLE FOR ANY COSTS OR DAMAGES ACTUALLY INCURRED OR REQUIRED AS A RESULT OF: THE FAILURE OF ANY OTHER PERSON OR ENTITY TO PERFORM ITS RESPONSIBILITIES, FIRE OR OTHER HAZARD, ACCIDENT, IMPROPER STORAGE, MIS-USE, NEGLIGENCE, POWER OR ENVIRONMENTAL CONTROL MALFUNCTIONS, DAMAGE FROM LIQUIDS, OR ANY OTHER CAUSE BEYOND THE NORMAL RANGE OF USE. REGARDLESS OF HOW CAUSED, IN NO EVENT SHALL MILNOR BE LIABLE FOR SPECIAL, INDIRECT, PUNITIVE, LIQUIDATED, OR CONSEQUENTIAL COSTS OR DAMAGES, OR ANY COSTS OR DAMAGES WHATSOEVER WHICH EXCEED THE PRICE PAID TO MILNOR FOR THE EQUIPMENT IT SELLS OR FURNISHES.

THE PROVISIONS ON THIS PAGE REPRESENT THE ONLY WARRANTY FROM MILNOR AND NO OTHER WARRANTY OR CONDITIONS, STATUTORY OR OTHERWISE, SHALL BE IMPLIED.

WE NEITHER ASSUME, NOR AUTHORIZE ANY EMPLOYEE OR OTHER PERSON TO ASSUME FOR US, ANY OTHER RESPONSIBILITY AND/OR LIABILITY IN CONNECTION WITH THE SALE OR FURNISHING OF OUR EQUIPMENT TO ANY BUYER.

BMP720097/19036

How to Get the Necessary Repair Components



This document uses Simplified Technical English.
Learn more at <http://www.asd-ste100.org>.

You can get components to repair your machine from the approved supplier where you got this machine. Your supplier will usually have the necessary components in stock. You can also get components from the Milnor® factory.

Tell the supplier the machine model and serial number and this data for each necessary component:

- The component number from this manual
- The component name if known
- The necessary quantity
- The necessary transportation requirements
- If the component is an electrical component, give the schematic number if known.
- If the component is a motor or an electrical control, give the nameplate data from the used component.

To write to the Milnor factory:

Pellerin Milnor Corporation
Post Office Box 400
Kenner, LA 70063-0400
UNITED STATES

Telephone: 504-467-2787
Fax: 504-469-9777
Email: parts@milnor.com

— End of BIUUUD19 —

Trademarks

These words are trademarks of Pellerin Milnor® Corporation and other entities:

Table 1. Trademarks

AutoSpot™	GreenFlex™	MilMetrix®	PulseFlow®
CBW®	GearTrace™	MilTouch™	RAM Command™
Drynet™	GreenTurn™	MilTouch-EX™	RecircONE®
E-P Express®	Hydro-cushion™	MILRAIL™	RinSave®
E-P OneTouch®	Mentor®	Miltrac™	SmoothCoil™
E-P Plus®	Mildata®	PBW™	Staph Guard®
Gear Guardian®	Milnor®		

End of document: BNUUUU02

Safety

1

Safety—Dryers, Conditioners, and Shakers

1. General Safety Requirements—Vital Information for Management Personnel [Document BIUUUS04]

Incorrect installation, neglected preventive maintenance, abuse, and/or improper repairs, or changes to the machine can cause unsafe operation and personal injuries, such as multiple fractures, amputations, or death. The owner or his selected representative (owner/user) is responsible for understanding and ensuring the proper operation and maintenance of the machine. The owner/user must familiarize himself with the contents of all machine instruction manuals. The owner/user should direct any questions about these instructions to a Milnor® dealer or the Milnor® Service department.

Most regulatory authorities (including OSHA in the USA and CE in Europe) hold the owner/user ultimately responsible for maintaining a safe working environment. Therefore, the owner/user must do or ensure the following:

- recognize all foreseeable safety hazards within his facility and take actions to protect his personnel, equipment, and facility;
- work equipment is suitable, properly adapted, can be used without risks to health or safety, and is adequately maintained;
- where specific hazards are likely to be involved, access to the equipment is restricted to those employees given the task of using it;
- only specifically designated workers carry out repairs, modifications, maintenance, or servicing;
- information, instruction, and training is provided;
- workers and/or their representatives are consulted.

Work equipment must comply with the requirements listed below. The owner/user must verify that installation and maintenance of equipment is performed in such a way as to support these requirements:

- control devices must be visible, identifiable, and marked; be located outside dangerous zones; and not give rise to a hazard due to unintentional operation;
- control systems must be safe and breakdown/damage must not result in danger;
- work equipment is to be stabilized;
- protection against rupture or disintegration of work equipment;
- guarding, to prevent access to danger zones or to stop movements of dangerous parts before the danger zones are reached. Guards to be robust; not give rise to any additional hazards; not be easily removed or rendered inoperative; situated at a sufficient distance from the danger zone; not restrict view of operating cycle; allow fitting, replacing, or maintenance by restricting access to relevant area and without removal of guard/protection device;
- suitable lighting for working and maintenance areas;
- maintenance to be possible when work equipment is shut down. If not possible, then protection measures to be carried out outside danger zones;
- work equipment must be appropriate for preventing the risk of fire or overheating; discharges of gas, dust, liquid, vapor, other substances; explosion of the equipment or substances in it.

- 1.1. **Laundry Facility**—Provide a supporting floor that is strong and rigid enough to support—with a reasonable safety factor and without undue or objectionable deflection—the weight of the fully loaded machine and the forces transmitted by it during operation. Provide sufficient clearance for machine movement. Provide any safety guards, fences, restraints, devices, and verbal and/or posted restrictions necessary to prevent personnel, machines, or other moving machinery from accessing the machine or its path. Provide adequate ventilation to carry away heat and vapors. Ensure service connections to installed machines meet local and national safety standards, especially regarding the electrical disconnect (see the National Electric Code). Prominently post safety information, including signs showing the source of electrical disconnect.
- 1.2. **Personnel**—Inform personnel about hazard avoidance and the importance of care and common sense. Provide personnel with the safety and operating instructions that apply to them. Verify that personnel use proper safety and operating procedures. Verify that personnel understand and abide by the warnings on the machine and precautions in the instruction manuals.
- 1.3. **Safety Devices**—Ensure that no one eliminates or disables any safety device on the machine or in the facility. Do not allow machine to be used with any missing guard, cover, panel or door. Service any failing or malfunctioning device before operating the machine.
- 1.4. **Hazard Information**—Important information on hazards is provided on the machine safety placards, in the Safety Guide, and throughout the other machine manuals. **Placards must be kept clean so that the information is not obscured. They must be replaced immediately if lost or damaged. The Safety Guide and other machine manuals must be available at all times to the appropriate personnel.** See the machine service manual for safety placard part numbers. Contact the Milnor Parts department for replacement placards or manuals.
- 1.5. **Maintenance**—Ensure the machine is inspected and serviced in accordance with the norms of good practice and with the preventive maintenance schedule. Replace belts, pulleys, brake shoes/disks, clutch plates/tires, rollers, seals, alignment guides, etc. before they are severely worn. Immediately investigate any evidence of impending failure and make needed repairs (e.g., cylinder, shell, or frame cracks; drive components such as motors, gear boxes, bearings, etc., whining, grinding, smoking, or becoming abnormally hot; bending or cracking of cylinder, shell, frame, etc.; leaking seals, hoses, valves, etc.) Do not permit service or maintenance by unqualified personnel.

2. **Safety Alert Messages—Internal Electrical and Mechanical Hazards** [Document BIUUUS11]

The following are instructions about hazards inside the machine and in electrical enclosures.



WARNING 1: Electrocution and Electrical Burn Hazards—Contact with electric power can kill or seriously injure you. Electric power is present inside the cabinetry unless the main machine power disconnect is off.

- Do not unlock or open electric box doors.
- Do not remove guards, covers, or panels.
- Do not reach into the machine housing or frame.
- Keep yourself and others off of machine.
- Know the location of the main machine disconnect and use it in an emergency to remove all electric power from the machine.



WARNING 2: Entangle and Crush Hazards—Contact with moving components normally isolated by guards, covers, and panels, can entangle and crush your limbs. These components move automatically.

- Do not remove guards, covers, or panels.
- Do not reach into the machine housing or frame.
- Keep yourself and others off of machine.
- Know the location of all emergency stop switches, pull cords, and/or kick plates and use them in an emergency to stop machine motion.



CAUTION 3: Burn Hazards—Contact with hot goods or machine components can burn you.

- Do not remove guards, covers, or panels.
- Do not reach into the machine housing or frame.

3. Safety Alert Messages—External Mechanical Hazards [Document BIUUUS12]

The following are instructions about hazards around the front, sides, rear or top of the machine.

4. Safety Alert Messages—Cylinder and Processing Hazards

[Document BIUUUS13]

The following are instructions about hazards related to the cylinder and laundering process.



DANGER 4: Entangle and Sever Hazards—Contact with goods being processed can cause the goods to wrap around your body or limbs and dismember you.

- Do not attempt to open the door or reach into the cylinder until the cylinder is stopped.
- Do not touch goods inside or hanging partially outside the turning cylinder.
- Know the location of all emergency stop switches, pull cords, and/or kick plates and use them in an emergency to stop machine motion.
- Know the location of the main machine disconnect and use it in an emergency to remove all electric power from the machine.



WARNING 5: Crush Hazards—Contact with the turning cylinder can crush your limbs. The cylinder will repel any object you try to stop it with, possibly causing the object to strike or stab you.

- Do not attempt to open the door or reach into the cylinder until the cylinder is stopped.
- Do not place any object in the turning cylinder.



WARNING 6: Confined Space Hazards—Confinement in the cylinder can kill or injure you. Hazards include but are not limited to panic, burns, poisoning, suffocation, heat prostration, biological contamination, electrocution, and crushing.

- Do not attempt unauthorized servicing, repairs, or modification.



WARNING 7: Explosion and Fire Hazards—Petroleum and latex materials are flammable. They can produce explosive fumes when heated.

- Do not use flammable solvents in processing.
- Do not load machine with goods containing dry cleaning materials.
- Do not use the machine in the presence of solvent fumes.



WARNING 8: Poison and Corrosion Hazards—Synthetic solvents such as perchloroethylene are toxic. They can produce poisonous phosgene gas (mustard gas) and/or corrosive hydrochloric acid when heated.

- Do not load machine with goods containing dry cleaning materials.
- Do not use the machine in the presence of solvent fumes.



WARNING 9: Fire Hazards—Overheated goods can catch fire spontaneously in the machine or after discharge.

- Verify the overheat control system and plant fire extinguishers are functioning before operating the machine. Be sure to turn water supply on after testing.
- In the event of a fire, thoroughly wet all goods.
- Test or inspect the system after every automatic actuation, or monthly.



CAUTION 10: Burn Hazards—Contact with hot goods or machine components can burn you.

- Do not remove guards, covers, or panels.
- Do not reach into the machine housing or frame.
- Use care when handling recently-processed goods.

5. Safety Alert Messages—Unsafe Conditions [Document BIUUUS14]

5.1. Damage and Malfunction Hazards

5.1.1. Hazards Resulting from Inoperative Safety Devices



WARNING 11: Multiple Hazards—Operating the machine with an inoperative safety device can kill or injure personnel, damage or destroy the machine, damage property, and/or void the warranty.

- Do not tamper with or disable any safety device or operate the machine with a malfunctioning safety device. Request authorized service.



WARNING 12: Electrocutation and Electrical Burn Hazards—Electric box doors—Operating the machine with any electric box door unlocked can expose high voltage conductors inside the box.

- Do not unlock or open electric box doors.



WARNING 13: Entangle and Crush Hazards—Guards, covers, and panels—Operating the machine with any guard, cover, or panel removed exposes moving components.

- Do not remove guards, covers, or panels.



WARNING 14: Fire Hazards—Sprinkler and overheat control—Failure to supply water to the sprinkler or to open the manual valve, or failure of the overheat control, eliminates the machine's internal fire protection. Normally the machine stops and water is sprayed into the cylinder if outlet temperature reaches 240 degrees Fahrenheit (116 degrees Celsius).

- Verify the overheat control system and plant fire extinguishers are functioning before operating the machine. Be sure to turn water supply on after testing.
- Keep the manual shut-off test valve open except when testing.
- Test or inspect the system after every automatic actuation, or monthly.



WARNING 15: Explosion and Fire Hazards—Gas train—Operating the machine with damaged or malfunctioning gas valves, safeties, controls, or piping can permit gas to escape into the fire box, cylinder, or laundry room. The enclosure will explode if gas comes in contact with any spark or flame.

- Do not operate the machine with any evidence of damage or malfunction.
- Stop the machine immediately and alert authorities if you smell gas.

5.1.2. Hazards Resulting from Damaged Mechanical Devices



WARNING 16: Multiple Hazards—Operating a damaged machine can kill or injure personnel, further damage or destroy the machine, damage property, and/or void the warranty.

- Do not operate a damaged or malfunctioning machine. Request authorized service.

5.2. Careless Use Hazards

5.2.1. Careless Operation Hazards—Vital Information for Operator Personnel (see also operator hazards throughout manual)



WARNING 17: Multiple Hazards—Careless operator actions can kill or injure personnel, damage or destroy the machine, damage property, and/or void the warranty.

- Do not tamper with or disable any safety device or operate the machine with a malfunctioning safety device. Request authorized service.
- Do not operate a damaged or malfunctioning machine. Request authorized service.
- Do not attempt unauthorized servicing, repairs, or modification.
- Do not use the machine in any manner contrary to the factory instructions.
- Use the machine only for its customary and intended purpose.
- Understand the consequences of operating manually.



CAUTION 18: Goods Damage and Wasted Resources—Entering incorrect cake data causes improper processing, routing, and accounting of batches.

- Understand the consequences of entering cake data.

5.2.2. Careless Servicing Hazards—Vital Information for Service Personnel (see also service hazards throughout manuals)



WARNING 19: Electrocution and Electrical Burn Hazards—Contact with electric power can kill or seriously injure you. Electric power is present inside the cabinetry unless the main machine power disconnect is off.

- Do not service the machine unless qualified and authorized. You must clearly understand the hazards and how to avoid them.
- Abide by the current OSHA lockout/tagout standard when lockout/tagout is called for in the service instructions. Outside the USA, abide by the OSHA standard in the absence of any other overriding standard.



WARNING 20: Entangle and Crush Hazards—Contact with moving components normally isolated by guards, covers, and panels, can entangle and crush your limbs. These components move automatically.

- Do not service the machine unless qualified and authorized. You must clearly understand the hazards and how to avoid them.

- Abide by the current OSHA lockout/tagout standard when lockout/tagout is called for in the service instructions. Outside the USA, abide by the OSHA standard in the absence of any other overriding standard.



WARNING 21: Confined Space Hazards—Confinement in the cylinder can kill or injure you. Hazards include but are not limited to panic, burns, poisoning, suffocation, heat prostration, biological contamination, electrocution, and crushing.

- Do not enter the cylinder until it has been thoroughly purged, flushed, drained, cooled, and immobilized.

— End of BIUUUS27 —

Fire Safety System Operation and Maintenance

BNDGUH01.C01 0000382704 B.2 9/24/21 11:44 AM Released



NOTICE: If the fire safety system is in operation (if there is a flow of water from the rear of the dryer)—go to [Section 5 : If Water Flow Occurs, page 5](#).

fire safety system the water nozzles and related equipment that put water in the dryer to stop a fire in the basket.

Water flow will start automatically if the temperature becomes too high, as told in [Section 1 : Fire Safety Functions and Components, page 1](#). You can also start it manually. Pull the operation handle or use the control panel as told in [Section 4 : How to Do a Test of the Fire Safety System, page 4](#). The system will start a flow of water. The water will go into the basket through the perforations. Do a test of this system at the intervals given in the routine maintenance schedule.

1. Fire Safety Functions and Components

BNDGUH01.C02 0000384000 B.2 9/24/21 11:44 AM Released

This section gives the fire safety functions and components for 6464_ and 7272_ models. Components and their locations can be different on other dryer models but the functions are the same.

Table 1. Fire Safety Functions for 6464_ and 7272_ Dryer Models

Sensor type	Temperature switch (closes at specified temperature)			Thermocouple (gives continuous temperature data to the controller)		
Sensor name	ST225-1 & 2	ST550A & B	STBB	T3		
Location	Basket/outlet duct (Figure 1, page 2, Figure 3, page 2, Figure 4, page 2)	Inlet duct (Figure 1, page 2, Figure 2, page 2)	At burner (Figure 1, page 2, Figure 5, page 2)	Outlet duct (Figure 3, page 2)		
Safety limit (the temperature or condition that causes the given result)	225° F (107° C)	550° F (288° C)	175° F (79° C)	–Three safety limits in software–		
				5° F increase for 15 seconds or 15° F increase for 5 seconds during min fire*	Higher than 220° F (104° C) for 5 seconds**	240°F (116°C)
Occurs when temperature is too high	Water flows and all dryer actions stop.	Flame goes off. If the flame will not come on, see the line below this one.		Each step before the cooldown is subsequently cancelled while the condition continues.		Water flows and all dryer functions stop.
Display when temperature is too high	THREE WIRE DISABLED error and operator alarm.	Initially none. If the flame will not come on, the CHECK ERROR LIGHTS error and operator alarm occur.		The controller shows “MINF” and puts data in the record of dry cycle details.	The controller shows “>220” and puts data in the record of dry cycle details.	OUTLET TEMP EXCEEDED 240 Df - POWER DOWN error and operator alarm.
Necessary procedure	See Section 5 : If Water Flow Occurs, page 5	If the error given in the line above this one occurs, see “Error Messages” in the operator guide.		See Section 2 : About the Min Fire and Outlet Temperature Exceeded 220° Faults, page 3		See Section 5 : If Water Flow Occurs, page 5
* This does not apply to steam dryers.						
** This does not apply to steam dryers if they do not use modulation.						

Figure 1. Component Locations for 6464_ Models

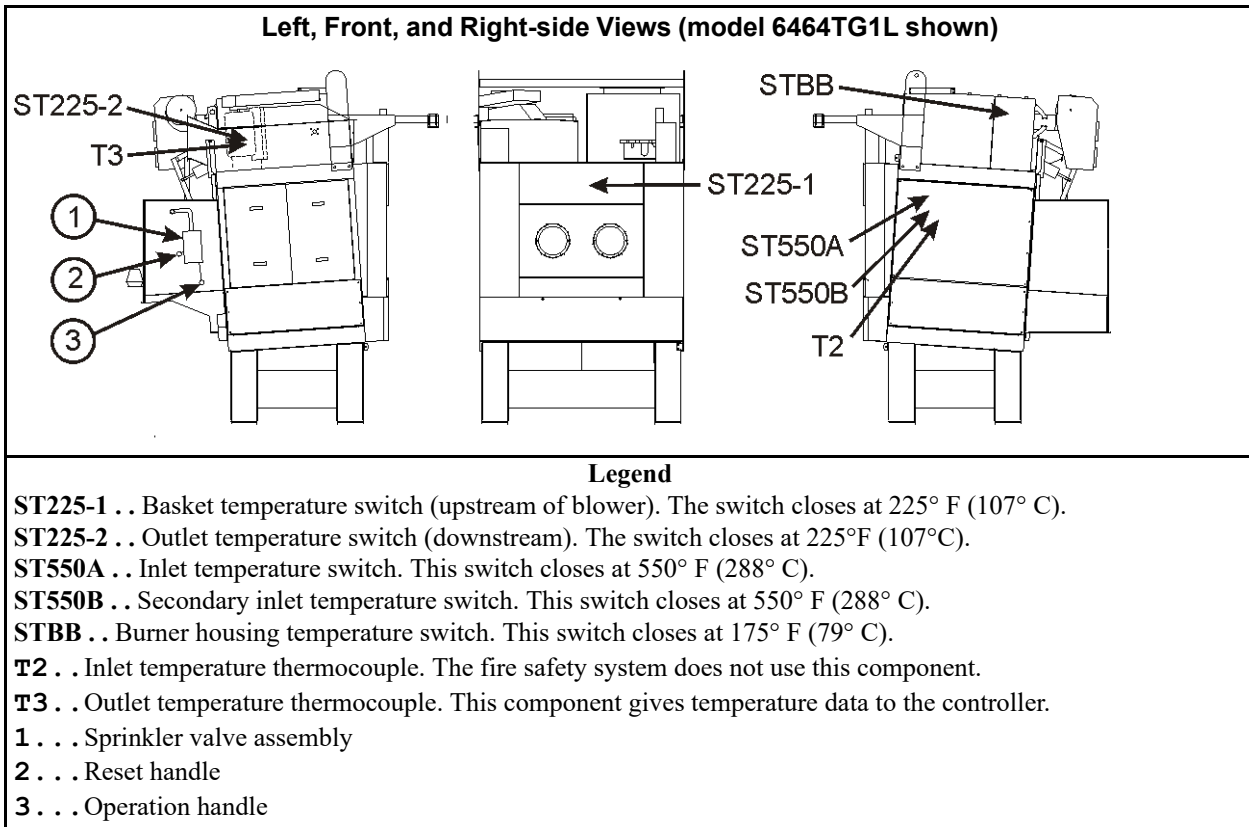


Figure 2. View of ST550A, ST550B and T2

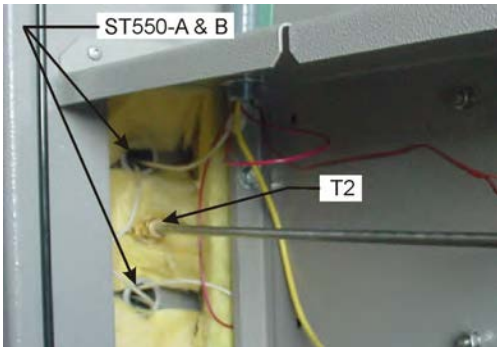


Figure 3. View of ST225-1

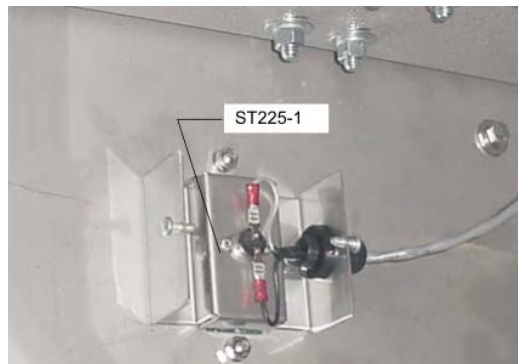


Figure 4. View of ST225-2 and T3

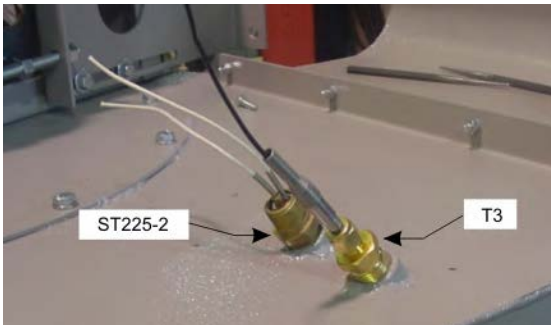


Figure 5. View of STBB



2. About the Min Fire and Outlet Temperature Exceeded 220° Faults

BNDGUH01.C03 0000384018 B.2 A.2 9/16/21 11:33 AM Released

The function of these faults is to prevent conditions that can cause a fire. The controller does the necessary steps. There are no other steps for the operator to do immediately. But the controller puts data about the fault in the record of dry cycle details. These faults usually cause unsatisfactory operation. To prevent these faults, it can be necessary to change some procedures as told in the subsequent sections. Heat system adjustments and repairs are not routine maintenance. Speak to your dealer or Milnor®.

2.1. Min Fire (MINF)

BNDGUH01.C04 0000384217 B.2 9/24/21 11:44 AM Released

This condition applies to dryers that use gas or propane. Minimum fire is when the controller tells the modulating gas valve to go to the position 000. The correct condition is when the gas valve is open a small, stable increment. Under this condition, a **min fire** fault occurs if the controller senses that the outlet temperature increases. This fault usually shows that the goods became too hot and could catch fire. (One more symptom is if the goods have a burned smell.) When this fault occurs, the controller immediately goes to the subsequent cool down step. Some causes of **min fire** faults include:

- **The goods are held against the basket**—The correct condition is that the goods tumble in the basket. If the basket speed is too high, centrifugal force can hold the goods against the basket. Then the part of the goods that is against the basket can become too hot.
- **The gas valve does not operate correctly**—For example, the valve throttle cannot move down fully because it is damaged. This can prevent the min fire position.
- **Min fire is set too high**—The min fire position must be adjusted correctly when the gas and air as told in the procedure to set the heat system. Damage to components can cause this adjustment to change.

2.2. Outlet Temperature Exceeded 220° (degrees Fahrenheit)

BNDGUH01.C05 0000384216 B.2 A.2 9/16/21 11:33 AM Released

This fault applies to all dryers except those with steam valves that do not modulate. The value 220° F (104° C) is 5° F (3° C) below the temperature that will close the outlet temperature switches (Fenwal switches) and start water flow. It cancels each subsequent heat step if the outlet temperature is higher than 220° F (104° C) for five seconds or more at the start of the step. This fault can also occur if the goods are held against the cylinder or the gas valve is damaged. The function of this fault is to make water flow not necessary, if the goods are not on fire. But if the goods catch fire, the temperature switches will quickly close to start water flow.

3. How to Prevent Water Flow When No Fire Occurs

BNDGUH01.C06 0000384215 B.2 9/24/21 11:44 AM Released

If water flow occurs when there is no fire, two possible causes are:

- **A temperature switch is damaged.** This is the usual cause. For example, material can hit a temperature probe and bend it. This can be a piece of goods that goes through a space where




seals are worn. It is necessary to replace a damaged probe. The probe can also give an incorrect value if it has plastic contamination. It is necessary to remove the contamination.

- **Temperatures are not in the correct range.** The conditions described in [Section 2.1 : Min Fire \(MINF\), page 3](#) can cause water flow if they are severe enough.

If water flow occurs when there is no fire, correct the cause. **Do not remove the fire safety system from operation.** If a fire occurs, this system is your first and best protection against a fire that is out of control.

4. How to Do a Test of the Fire Safety System

BNDGUH01.T01 0000384214 B.2 9/24/21 11:44 AM Released

1. **Prevent a new load:** Set the **Load Allowed/ Not Allowed** (/) switch to **Not Allowed** () to prevent a new load.
2. **Let the dryer empty:** Let the dryer operate until it releases the load it has.
3. **Close the manual water valve:** Close the valve to prevent water flow. This valve is on the sprinkler assembly. The assembly is usually on the side of the dryer discharge shroud.
4. **Start a test of sprinkler AUTOMATIC operation:**
 - If there is a controller on the dryer, see “Manual Mode Menu Functions” in the reference manual.
 - If this dryer is part of a Dryer/Shuttle (Drynet™) system, do the steps listed below at the Drynet™ controller:
 - a. Select **Admin Logon** and enter the administrator password.
 - b. Select (click) the display for the dryer you will do the test on.
 - c. Select (click) **Manual** mode.
 - d. Go to **Sprinkler Functions** on the right side of the screen and select (click) **Sprinkler [Off]** to release the sprinkler valve. This is a toggle. The display shows **Sprinkler [On]**.
5. Examine the automatic sprinkler valve.



CAUTION: Sluggish valve operation — can interfere with fire suppression.



- ▶ Remove any build-up of foreign matter on components.
- ▶ Make sure components move freely.

6. **Let the water flow for a short while:** Open the manual valve on the sprinkler assembly. Make sure that water flows from the rear of the dryer. Close the valve for the subsequent part of the test.
7. **Set the system again:** Pull the sprinkler reset handle down fully. It must latch.
8. **Start a test of sprinkler MANUAL operation:** Select a dry code and run it manually.



CAUTION: The manual water valve must be closed to prevent water flow during this test.

9. **Operate the fire safety system manually:** When the heat source starts to make heat, pull down the sprinkler operation handle.
10. **Make sure that a shutdown occurs:**
 - The automatic valve opens (the reset handle releases).
 - The THREE WIRE DISABLED message appears.
 - The operator alarm sounds.
 - All dryer functions stop.
11. **Stop the dry code.**
12. **Set the system again:** Pull the sprinkler reset handle down fully. It must latch.
13. **Open the manual valve.**



WARNING: A closed manual valve — will prevent water flow in an emergency.



► Make sure the manual valve is open and remains open during operation.

14. **Put the dryer in operation again.**

This concludes the fire safety system test.

5. If Water Flow Occurs

BNDGUH01.T02 0000384213 B.2 9/24/21 11:44 AM Released

A serviceable fire safety system will operate if a fire in the basket occurs. But it can also operate for other causes. Temperature switches (Fenwal switches) in the outlet duct operate the system at 225° F (107° C). If the Fenwal switches are not serviceable, the dryer software operates the system at 240° F (116° C).

1. **Examine the dryer condition:** If there is a fire, let water flow continue until the fire is extinguished.



CAUTION: Use extreme care if you must look through the door glass or get near a part of the machine.

2. **Set the system again when it is safe:**










- a. Turn the Master switch off (⊗), then on (⊙) again. If the software caused the fire safety system to operate, this is necessary to remove the "Desires Sprinkler" output signal.
- b. Pull the sprinkler reset handle down fully. It must latch.

This step helps to keep water damage to a minimum and allows you to use the manual controls.

3. **Did a fire occur?**

- **NO:** Put the dryer in operation again.
- **YES:** Continue these steps.

4. **Do a test of basket movement:**

- a. Set the **Load Allowed/Not Allowed** ( / ) switch to **Not Allowed** () to prevent a new load.
- b. Press **Start** () . The operator alarm stops and the display shows WAITING FOR LOAD. LOADING NOT ALLOWED.
- c. Set the **Automatic/Manual Rotation** switch ( / ) to **Manual Rotation** () .
- d. Hold the **Jog Direction** switch ( / ) in one of the two directions **no longer than necessary to make sure that the basket turns.**

5. **Did the basket turn?**

- **NO:** Stop. Repairs are necessary. Consult your dealer or the Milnor® factory.
- **YES:** Continue these steps.

6. **Carefully remove the goods:** Use the manual controls to release the goods.



WARNING: Hot goods — can catch fire spontaneously,



- ▶ Keep fire equipment available.
- ▶ Stay away from the goods.


7. **Remove power. Look for damage.** With power removed from the machine, examine the full machine for damage.

Look carefully at the air seals, support rollers, primary blower, and electrical cables on top of the machine. Also examine electrical components for moisture.

8. **Connect power. Examine dryer functions:** In the manual mode, operate all outputs. For example, the gas valve, lint removal.

9. **Damage?**

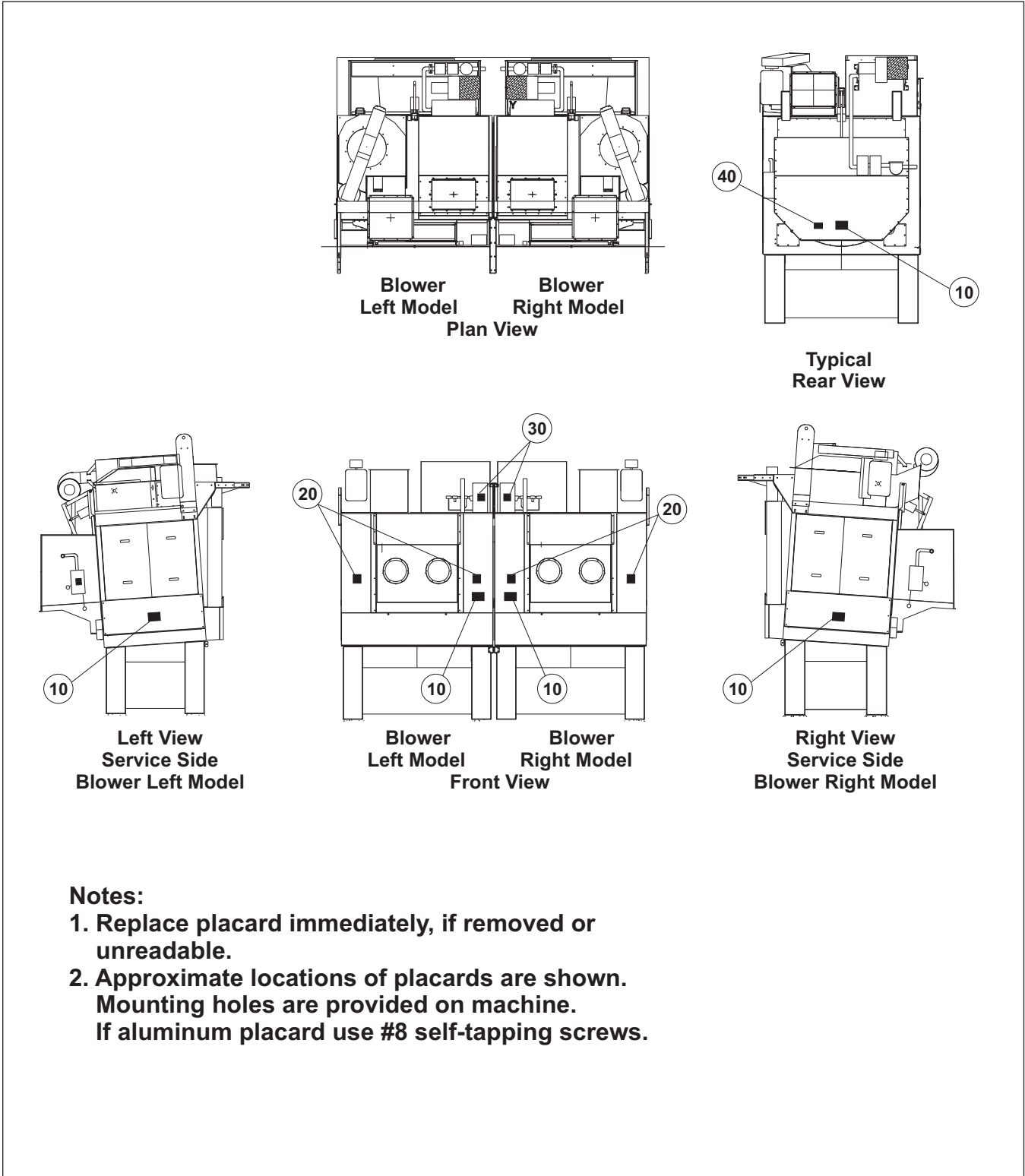
- **YES:** Stop. Repairs are necessary. Consult your dealer or the Milnor® factory.
- **NO:** Continue.

10. **Put the dryer in operation again:** Put all manual controls in the automatic position () again.

End of document: BNDGUH01

Safety Placard Use and Placement

5040, 5050, 6450, 6458, 6464, 7272, 7676 and 8282 Dryers



Notes:

- 1. Replace placard immediately, if removed or unreadable.
- 2. Approximate locations of placards are shown. Mounting holes are provided on machine. If aluminum placard use #8 self-tapping screws.

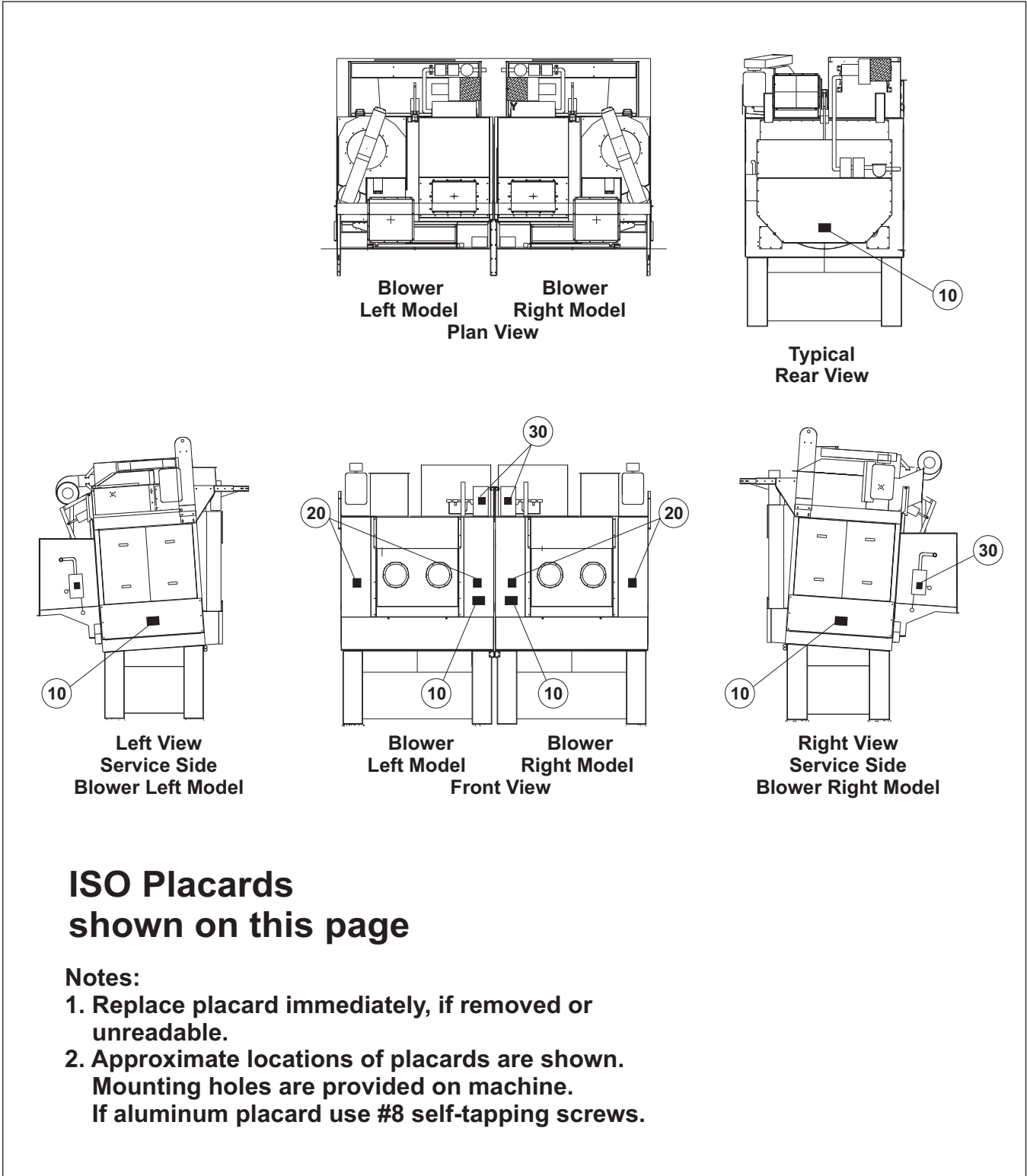
Safety Placard Use and Placement

5040, 5050, 6450, 6458, 6464, 7272, 7676, and 8282 Dryers

Parts List—Safety Placard Use and Placement Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.				
Used In	Item	Part Number	Description	Comments
-----COMPONENTS-----				
all	10	01 10451B	NPLT:DRYER WARNINGS-TCATA	
All	20	01 10377A	NPLT:ELEC HAZARD LG-TCATA	
all	30	01 10375B	NPLT:ELEC HAZARD SMALL-TCATA	
all	40	01 10699A	NPLT:SERV HZRD-PLYEST-TCATA	

Safety Placard Use and Placement - ISO

5040, 5050, 6450, 6458, 6464, 7272, 7676, and 8282 Dryers



ISO Placards shown on this page

Notes:

1. Replace placard immediately, if removed or unreadable.
2. Approximate locations of placards are shown. Mounting holes are provided on machine. If aluminum placard use #8 self-tapping screws.

Safety Placard Use and Placement - ISO

5040, 5050, 6450, 6458, 6464, 7272, 7676, and 8282 Dryers

Parts List—Safety Placard Use and Placement				
Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.				
Used In	Item	Part Number	Description	Comments
-----COMPONENTS-----				
All	10	01 10451X	NPLT:DRYER WARNINGS -ISO	
all	20	01 10377	NPLTE:"WARNING" 4X4	
all	30	01 10375	NPLTE:"WARNING" 2X2	

Service and Maintenance

2

Set the Heating System—Air Heat Dryer

BNDGUM01.C01 0000336887 C.2 A.5 4/29/21, 10:11 AM Released

This document applies to gas dryers with an *air heat* burner. See document BNDGUM02 for gas dryers with a *ratio air* burner.

1. About the Procedure

BNDGUM01.C10 0000344550 C.2 B.2 5/24/22, 8:31 AM Released

The differences between an *air heat* burner and a *ratio air* burner are important with regard to replacement parts and the procedure you use to set or confirm the correct gas and air flows.

Table 1. Current Dryer Models and Burner Types

Burner Type / Dryer Model	5050TG1_	6450TG1_	6458TG1_	6464TG1_	7676TG1_	8282TG1_
Air Heat	only	optional	standard	standard		
Ratio Air		standard	optional	optional	only	only

It can be necessary to set the heating system when the dryer is installed and when components of the gas train are replaced. You must be a technician trained to do work on gas trains and familiar with gas train components.

Necessary test equipment includes:

- A manometer such as Dwyer model 3T294.
- Tubes and fittings to connect to the taps (test ports) shown herein.
- In some cases, a fitting with a valve to control the gas released from the tap.

When you set the heating system, you will do a sequence of steps. In most steps you will make the necessary adjustments to change a measured pressure to match a specified value. Some terms used in this instruction are:


gas train the group of valves and related components that controls the flow of natural gas or propane into the dryer


flame control an electronic module that monitors and maintains a safe flame. Milnor® system dryers use two brands of flame control: **Fireye** (primarily for the USA and Canada) and **Landis + Gyr** (primarily for Europe).

setup mode a method of performing adjustments that activates the appropriate components for a given adjustment step. If your machine has the Fireye flame control, you must use the setup mode to make adjustments.

manual method a method of performing adjustments that runs a dry code manually and permits you to specify certain conditions for a given adjustment step. If your machine has the Landis + Gyr flame control, you must use the manual method to make adjustments.

manometer an instrument to measure fluid pressure

Reset button symbolized  in this procedure, refers to both the physical push button used to cancel a blinking light on the dryer status light panel and to the reset button on the flame control (Fireye or Landis + Gyr). In this procedure, use whichever reset component applies to the task.

Signal Cancel button symbolized  in this procedure, refers to the button on the dryer controller screen used to cancel the operator alarm.

Several types of **Dungs** gas train and the two types of flame control stated above are available to meet different local codes. Applicable models will use one of the types of gas train, corresponding flame control, and corresponding setup method listed in the following table. This instruction describes one general procedure, but indicates where you will do something one way or the other, depending on which of the two setup methods you use (which type of flame control you have).

Table 2. Gas Train and Flame Control Options

Type of Gas Train	Brand of Flame Control	Setup method
Natural Gas, CSA	Fireeye	Setup Mode
Propane, CSA	Fireeye	Setup Mode
Natural Gas, IRI	Fireeye	Setup Mode
Natural Gas, Europe	Landis + Gyr	Manual (dry code) method
Propane, Europe	Landis + Gyr	Manual (dry code) method
Natural Gas, Australia	Landis + Gyr	Manual (dry code) method
Propane, Australia	Landis + Gyr	Manual (dry code) method
Natural Gas, Holland	Landis + Gyr	Manual (dry code) method

2. Summary of Steps and Required Values (Air Heat)

BNDGUM01.C02 0000336921 C.2 B.3 2/14/22, 2:27 PM Released

Table 3. Applicable Models

Step	Gauge Points ¹	5050TG_		6450TG_		6458TG_, 6464TG_		7272TG_		
		Fireeye	L+G	Fireeye	L+G	Fireeye	L+G	Fireeye	L+G	
1	Static (incoming) gas pressure ²	GGG	13.5 (33.6)	13.5 (33.6)	13.5 (33.6)	13.5 (33.6)	13.5 (33.6)	13.5 (33.6)	13.5 (33.6)	13.5 (33.6)
2	Combustion air pressure	GAC and GRC	0.4 (1)	0.14 (.35)	0.6 (1.5)	0.6 (1.5)	0.6 (1.5)	0.6 (1.5)	0.6 (1.5)	0.6 (1.5)
	Combustion air damper		full open	full open	0.9 (.22)	0.9 (.22)	0.9 (.22)	0.9 (.22)	0.9 (.22)	0.9 (.22)
3	Main air pressure test		—	—	1.6 (4)	1.6 (4)	1.6 (4)	1.6 (4)	1.6 (4)	1.6 (4)
	Main air pressure final	GAM	0.7 (1.7)	0.7 (1.7)	2.4 (6)	2.4 (6)	2.4 (6)	2.4 (6)	2.4 (6)	2.4 (6)
4	Pilot gas regulator	GGP	1.3 (3.2)	1.3 (3.2)	1.6 (4)	1.3 (3.2)	1.6 (4)	1.3 (3.2)	1.6 (4)	1.3 (3.2)
	Pilot flame – natural gas		1 (2.5)	1 (2.5)	1 (2.5)	1 (2.5)	1 (2.5)	1 (2.5)	1 (2.5)	1 (2.5)
	Pilot flame – propane	n.a.	—	—	Turn adjusting screw one full turn.				—	—
	Outlet pressure spring – propane only	n.a.	—	—	1.3				—	—
5	Gas regulator	GGR	4.5 (11.2)	4.5 (11.2)	6.5 (16.2)	6.5 (16.2)	6.5 (16.2)	6.5 (16.2)	5.5 (13.7)	5.5 (13.7)
6	Minimum fire temperature ABOVE AMBIENT	n.a.	Natural gas: 70° F (21° C) to 80° F (27° C) (view on display)							
		n.a.	—	—	Propane: Set minimum fire (min Y) on the modulating gas valve to 17				—	—
	Damper setting	n.a.	2							
7	High gas pressure	GGH	5.6 (14)	5.6 (14)	8.13 (20.3)	8.13 (20.3)	8.13 (20.3)	8.13 (20.3)	6.87" (17.1)	6.87" (17.1)

Applicable Models (cont'd.)

Step		Gauge Points ¹	5050TG_		6450TG_		6458TG_, 6464TG_		7272TG_	
			Fireye	L+G	Fireye	L+G	Fireye	L+G	Fireye	L+G
8	Low gas pressure	GGL	2.25 (5.6)	2.25 (5.6)	3.25 (8)	3.25 (8)	3.25 (8)	3.25 (8)	2.75 (6.8)	2.75 (6.8)
9	Burner box pressure	GAB	0.06 (0.15)	0.04 (1)	0.06 (0.15)	0.06 (0.15)	0.06 (0.15)	0.06 (0.15)	0.06 (0.15)	0.06 (0.15)
10	Back pressure	n. a.	0.8 (2)	0.8 (2)	0.8 (2)	0.8 (2)	0.8 (2)	0.8 (2)	0.8 (2)	0.8 (2)
<p>1. The reference point is atmosphere unless two values are shown for the gauge point.</p> <p>2. Must not exceed. A pressure that exceeds the maximum can damage the regulator.</p>										

3. Component Locations

BNDGUM01.C03 0000336987 C.2 A.4 3/24/21, 9:39 AM Released

Figure 1. Gas Adjustment Components (5040TG2_ shown. Other models are similar.)

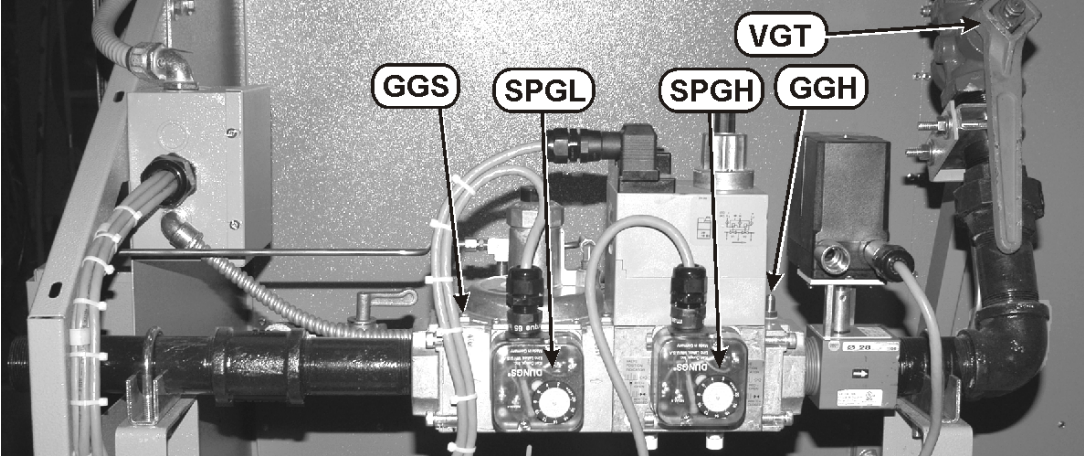
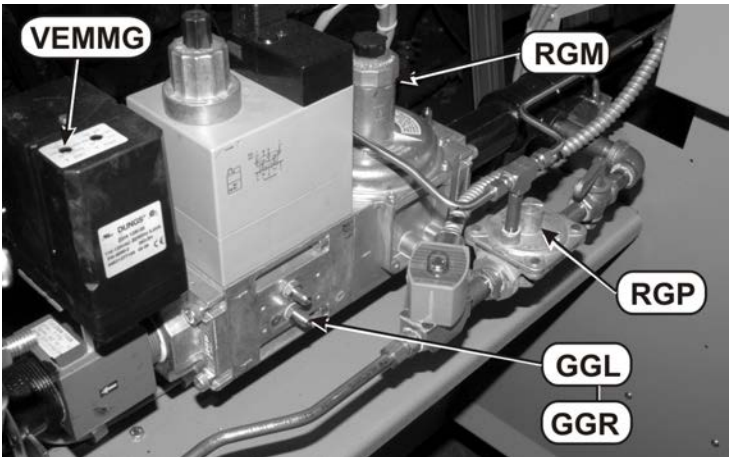
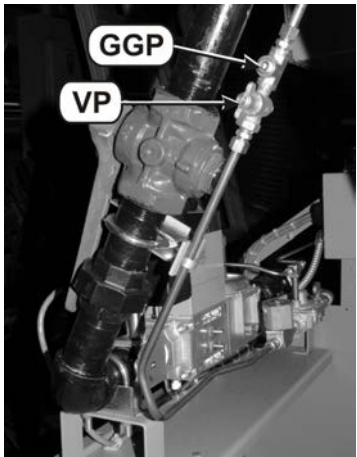
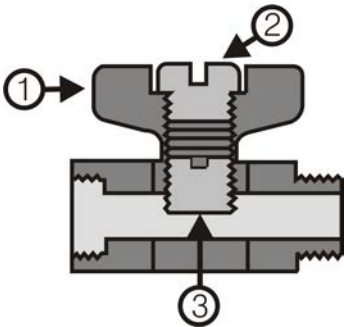
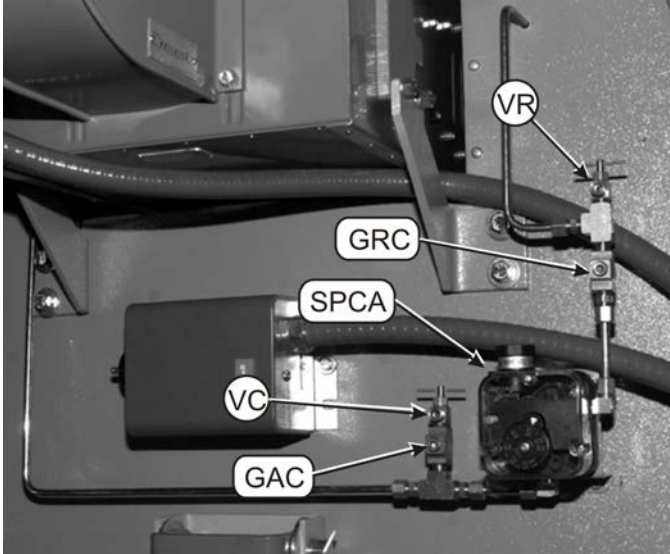
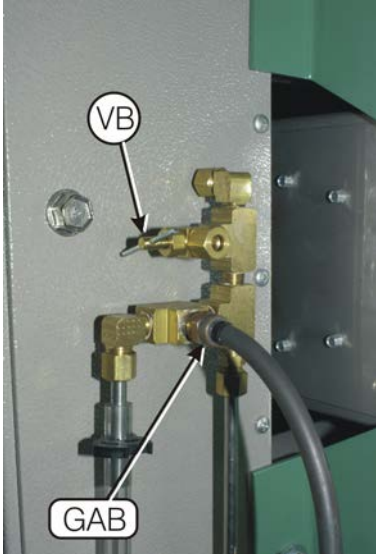
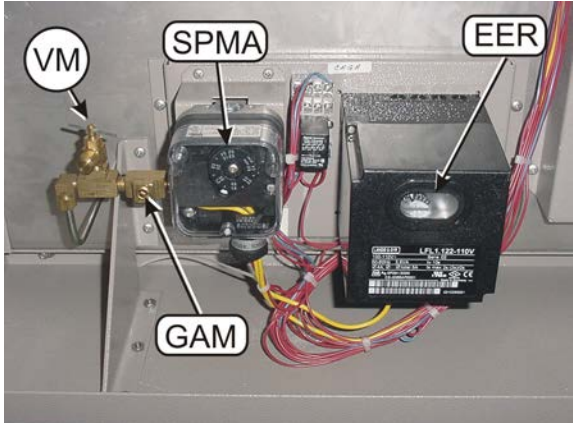
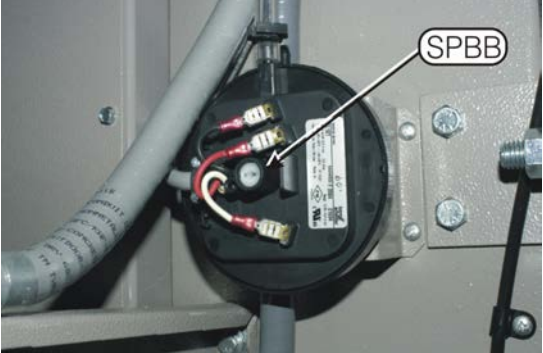
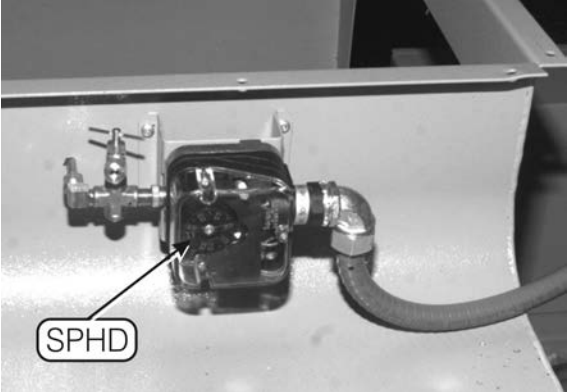
<p>Front View</p> 	
<p>Rear View</p> 	<p>Pilot Line</p> 
<p style="text-align: center;">Legend</p> <ol style="list-style-type: none"> 1. Handle (shown in open position) 2. Cover screw 3. Adjustment screw 4. GGS - Static (incoming) gas pressure gauge point 5. GGH - Maximum main gas pressure gauge point 6. GGL - Minimum main gas pressure gauge point 7. GGR - Regulated main gas pressure gauge point 8. GGP - Pilot gas pressure gauge point 9. RGM - Main gas regulator 10. RGP - Pilot gas regulator 11. SPGL - Low gas pressure switch 12. SPGH - High gas pressure switch 13. VEMMG - Modulating gas valve (adjustment screw) 14. VGT - Manual test valve 15. VP - Pilot gas cock 	
<p>Pilot Gas Cock (VP)</p> 	

Figure 2. Air Adjustment Components (5040TG2_ shown. Other models are similar.)

<p style="text-align: center;">Combustion Air</p> 	<p style="text-align: center;">Burner Box Air</p> 
<p style="text-align: center;">Main Air (Landis + Gyr shown)</p> 	<p style="text-align: center;">Burner Box Pressure Switch</p> 
<p style="text-align: center;">Back Pressure Switch</p> 	<p style="text-align: center;">Legend</p> <ol style="list-style-type: none"> 1. GAB - Burner box air pressure gauge point 2. GAC - Combustion air primary gauge point 3. GRC - Combustion air reference gauge point 4. GAM - Main air gauge point 5. VB - Burner box air pressure needle valve 6. VC - Combustion air primary needle valve 7. VR - Combustion air reference needle valve 8. VM - Main air needle valve 9. SPBB - Burner box pressure switch (adjustment screw) 10. SPCA - Combustion air pressure switch 11. SPHD - Back pressure switch 12. SPMA - Main air pressure switch 13. EER - Landis + Gyr flame control reset

4. Setup Methods—Fireye or Landis + Gyr Flame Control

BNDGUM01.C04 0000337011 C.2 A.4 3/24/21, 1:08 PM Released

Do Step 1 (see [Section 5 : Adjustment Steps, page 8](#)) before you perform one of the setup methods described in this section. Perform the appropriate setup method before you start Step 2. If your machine has a Fireye flame control, use the **Setup mode** (see [Section 4.1 : Setup Mode \(Fireye flame control\), page 6](#)). If your machine has a Landis + Gyr flame control, use the **Manual method** (see [Section 4.2 : Manual method \(Landis + Gyr flame control\), page 7](#)).



WARNING: Explosion hazard — Improper gas train maintenance procedures can cause the rapid release of gas.



- ▶ You must be an approved technician.
- ▶ Make sure you can quickly shut off gas at an external valve.



WARNING: Entangle and Crush Hazard — Moving components can entangle and crush body parts.



- ▶ Leave electrical power disconnected from the machine while you work on it, except where stated otherwise in this document.
- ▶ Use extreme caution when you work around moving components.

4.1. Setup Mode (Fireye flame control)

BNDGUM01.C05 0000337010 C.2 A.4 3/24/21, 9:39 AM Released

Display or Action

WAITING FOR LOAD

Explanation

The display after the power up sequence

MANUAL

Accesses **manual mode** menu (press **CANCEL** to return to automatic).

RETURN TO AUTOMATIC
00

Shows the display in **manual mode**

1 2

Selects the **setup procedure**

SETUP PROCEDURE
12

ENTER

Accesses **setup mode A** (or the next mode in sequence)

Whenever the next setup mode is required, press **ENTER** and resulting display will be shown.

For a **quick return to run** mode from **setup procedure**

ENTER, **ENTER**, etc.

Advances through each of the six setup modes. Note, however, that the control requires waiting eight seconds in **mode C** and five seconds in **mode D**.

SETUP PROCEDURE
12

Resulting display



Selects "RETURN TO AUTOMATIC"
Returns to the run mode

4.2. Manual method (Landis + Gyr flame control)

BNDGUM01.C06 0000337054 C.2 A.5 3/24/21, 1:08 PM Released

If your machine has a Landis + Gyr flame control, run a dry code manually and set the damper position to 2, as explained below.

Display or Action	Explanation
WAITING FOR LOAD *****	The display after the power up sequence.
MANUAL	Accesses the manual load menu
SELECT DRY CODE 00 REDRY	
ENTER	Accepts the default dry code 00 and prompts for load size
ENTER LOAD SIZE 0 FULL LOAD	
ENTER	Accepts the default load size (full load).
LOAD DRYER WITH REDRY	Ignore this prompt.
ENTER	Starts the cycle.
LOADING	This display appears.
00F TIC TOC 000 VP xx xxxAxxx xxx xxx	This display appears. The VP value alternates with an air value.

Wait for the burner to ignite.

MANUAL	Stops the timer and accesses the manual control panel for temperature, damper and basket rotation.
TICHTOC LDA MVP BSPD xxx+xxx x0x 0x xxxx	
DAMPER +	Sets the damper position. Hold the keys until the damper position (D) = 2.
TICHTOC LDA MVP BSPD xxx+xxx x2x xxx 000	
MOD VALVE POSITION +	Closes the modulating gas valve (position). Hold the keys until MVP = 000.
TICHTOC LDA MVP BSPD xxx+xxx x2x 000 xxxx	

The burner will remain on at minimum fire (MVP=000) until commanded to return to automatic. Start Step 2 here. Upon completion of the steps,



Returns to automatic

5. Adjustment Steps

BNDGUM01.C07 0000337473 C.2 A.3 4/6/21, 11:59 AM Released

Refer to [Section 2 : Summary of Steps and Required Values \(Air Heat\), page 2](#) while you do these procedures. In these steps, mount the manometer vertically and use the high pressure scale, except where stated otherwise.



WARNING: Explosion hazard — Improper maintenance procedures can cause the rapid release of gas.



- ▶ You must be an approved technician.
- ▶ Make sure you can quickly shut off gas at the external valve.



WARNING: Crush and entangle hazard — Moving components can crush and entangle body parts.



- ▶ Work with electrical power removed from the machine, except where stated otherwise in this document.
- ▶ Use extreme caution when you work near moving components.

5.1. Step 1: Static (incoming) gas pressure



BNDGUM01.C08 0000337472 C.2 A.3 3/24/21, 9:39 AM Released

1. Remove electrical power and gas from the machine.
2. Look at [Figure 1, page 4](#). Attach one side of the manometer to gauge point **GGs** (the higher pressure). Leave the other side open to the atmosphere.
3. Supply gas to the machine.
4. Adjust the incoming gas (upstream from dryer) as close as possible to the maximum static gas pressure listed in [Section 2 , page 2](#). This pressure is necessary for further adjustments. Pressures higher than specified can damage the regulator.

5.2. Step 2: Combustion air pressure


BNDGUM01.T01 0000337471 C.2 A.4 4/5/21, 4:24 PM Released

Fireye Start the Setup procedure and select SETUP MODE A ([Section 4.1 , page 6](#)) . The combustion air motor runs. The main air pressure switch, modulating gas valve and the two main gas valves are disabled.



Landis + Gyr Start the Manual method ([Section 4.2 , page 7](#)). If the flame control trips during this procedure, press  and  to reset it.

In this step, you will measure a small differential pressure. It is necessary to mount the manometer near horizontal and use the low pressure scale.

1. Look at [Figure 2, page 5](#). Turn the dial on **SPCA** counterclockwise to the lowest value.

2. Attach one end of the manometer to the gauge point **GAC** (the higher pressure). Attach the other side to the gauge point **GRC** (the lower pressure).
3. Adjust **VR** until the manometer displays the value shown in [Section 2 , page 2](#). If you cannot get the required value with **VR** wide open, slowly open **VC** until you get the required value.
4. Look at the burner box pressure light () on the status light panel. Slowly turn the dial **SPCA** clockwise:

Fireye Stop when the light illuminates.

Landis + Gyr Stop when **SPCA** trips and the burner extinguishes. The light should illuminate momentarily, but this may be too quick to see. Press  and  to reset the flame control.


5. Close **VR** and **VC** fully.

5.3. Step 3: Main air pressure



BNDGUM01.T02 0000337470 C.2 A.4 5/12/21, 2:30 PM Released

Fireye machines Select SETUP MODE B (see [Section 4.1 , page 6](#)). The damper will fully open.

Landis + Gyr machines Set the damper fully open (D=0). See [Section 4.2 , page 7](#).

1. Look at [Figure 1, page 4](#). Turn the dial on **SPMA** counterclockwise, to the lowest value
2. Attach one side of the manometer to **GAM** (the lower pressure). Leave the other side open to the atmosphere (the higher pressure).
3. Adjust **VM** until the manometer displays the test value shown in [Section 2 , page 2](#).
4. Look at the burner box pressure light () on the status light panel. Very slowly turn the dial on **SPMA** clockwise:

Fireye machines Stop when the light illuminates.

Landis + Gyr machines Stop when **SPMA** trips and the burner extinguishes. The light should illuminate momentarily, but this may be too quick to see. Press  and  to reset the flame control.

5. Close **VM** fully. The manometer should display the final value shown in [Section 2 , page 2](#).

5.4. Step 4A: Regulated pilot gas pressure

BNDGUM01.T03 0000338555 C.2 A.3 3/24/21, 9:39 AM Released

Fireye machines Select SETUP MODE C (see [Section 4.1 , page 6](#)). This turns on the **pilot gas valve**. After about eight seconds, the pilot flame should ignite.

Landis + Gyr machines No action is necessary. The pilot flame should be lit.

Explosion and Fire Hazard — Improper procedures can release gas.



- ▶ Follow instructions carefully.

1. Look at [Figure 1, page 4](#). Attach one side of the manometer to **GGP** (the higher pressure). Leave the other side open to the atmosphere.
2. Remove the cover screw (2) from **VP**.

3. Turn the set screw (3) counterclockwise until the top of the screw is about 1/8 inch (3 mm) below the top of the valve handle. **Do not allow the set screw to come out of the valve. Gas will escape.**
4. Adjust **RGP** until the manometer displays the value specified [Section 2 , page 2](#).

5.5. Step 4B: Pilot flame gas pressure



BNDGUM01.T04 0000338566 C.2 A.2 3/24/21, 9:39 AM Released

If the flame control trips during this step, press  and  to reset it.

1. Look at [Figure 1, page 4](#). Leave the manometer connected to **GGP** and to the atmosphere.
2. Close **VGT**.
3. Turn the adjustment screw (3) on **VP** clockwise, until the manometer shows the value specified in [Section 2 , page 2](#).
4. Replace the cover screw (2) in **VP**.
5. Open **VGT**.

5.6. Step 5: Regulated main gas pressure

BNDGUM01.T05 0000338565 C.2 A.3 3/24/21, 9:39 AM Released

Make adjustment quickly. The machine will reach the maximum permitted temperature quickly and shut-off the burner. If a switch trips during this step, press  and .

Fireye Select SETUP MODE D (see [Section 4.1 , page 6](#)). This turns on the **two main gas valves**. The **modulating gas valve** opens and modulates to position 100.

Landis + Gyr Set the modulating gas valve to position 100 (MVP=100). See [Section 4.2 , page 7](#).

1. Make sure **VGT** is open fully
2. Look at [Figure 1, page 4](#). Attach one side of the manometer to **GGR** (the higher pressure). Leave the other side open to the atmosphere.
3. Turn the dial on **SPGL** counterclockwise to the lowest value. Turn the dial on **SPGH** clockwise to the highest value.
4. Adjust **RGM** until the manometer displays the value specified in [Section 2 , page 2](#).

If you are performing the entire adjustment procedure, you will set **SPGH** and **SPGL** in steps 7 and 8 respectively. If you performed this step as part of a component replacement, do steps 7 and 8 as well.

5.7. Step 6: Low fire temperature

BNDGUM01.T06 0000338564 C.2 A.3 3/24/21, 9:39 AM Released

Fireye machines Select SETUP MODE E (see [Section 4.1 , page 6](#)). This sets the modulating gas valve to 000 and displays the inlet temperature.

Landis + Gyr machines Set the modulating gas valve to position 000 (MVP=000). See [Section 4.2 , page 7](#).

1. Look at [Figure 1, page 4](#). Turn the adjustment screw on **VEMMG** (arrow points to this screw) fully counterclockwise.


2. **In small increments** turn the screw clockwise until the control panel display shows a temperature in the range specified in [Section 2 , page 2](#). It is necessary to wait for the display to settle after each adjustment. This task can take several minutes due to the lag time between when you make the adjustment and when the change in temperature appears on the display.



5.8. Step 7: High gas pressure

BNDGUM01.T07 0000338595 C.2 A.3 4/5/21, 4:26 PM Released

Fireye machines Select SETUP MODE E (see [Section 4.1 , page 6](#)). This sets the modulating gas valve to 000 and displays the inlet temperature.

Landis + Gyr machines Set the modulating gas valve to position 000 (MVP=000). See [Section 4.2 , page 7](#).

1. Look at [Figure 1, page 4](#). Turn the dial on **SPGH** clockwise to the highest value.
2. Attach one side of the manometer to **GGH** (the higher pressure). Leave the other side open to the atmosphere.
3. Start with **VGT** open. Slowly close **VGT** until the manometer displays the value specified in [Section 2 , page 2](#).
4. Look at the gas pressure high light () on the status panel. Slowly turn the dial on **SPGH** counterclockwise (lower). Stop when the switch trips and the burner extinguishes.

Fireye machines The status light illuminates briefly, then blinks. Open the manual test valve again. The burner will ignite as soon as pressure is restored. Press  and  to extinguish the status light.

Landis + Gyr machines The status light should illuminate momentarily, but this may be too quick to see. The flame control automatically resets and attempts to ignite the burner.


5. Verify the proper adjustment: Open **VGT** fully. Watch the manometer. Slowly close **VGT**. **SPGH** should trip when the set value is reached.
6. Open **VGT** fully.



5.9. Step 8: Low gas pressure

BNDGUM01.T08 0000338608 C.2 A.4 4/5/21, 4:27 PM Released

Fireye machines Select SETUP MODE E (see [Section 4.1 , page 6](#)). This sets the modulating gas valve to 000 and displays the inlet temperature.

Landis + Gyr machines Set the modulating gas valve to position 000 (MVP=000). see [Section 4.2 , page 7](#).

1. Look at [Figure 1, page 4](#). Turn the dial on **SPGL** counterclockwise to the lowest value.
2. Attach one side of the manometer to **GGL** (the higher pressure). Leave the other side open to the atmosphere.
3. Start with the **external gas shut-off valve** open. Slowly close this valve until the manometer displays the value specified in [Section 2 , page 2](#).
4. Look at the gas pressure low light () on the status light panel. Slowly turn the dial on **SPGL** clockwise (higher). Stop when **SPGL** trips and the burner extinguishes.
5. Open **external gas shut-off valve** fully.

Fireye machines The status light illuminates briefly, then blinks. The burner should ignite as soon as pressure is restored. Press  and  to extinguish the status light.


Landis + Gyr machines The status light should illuminate momentarily, but this may be too quick to see. The flame control automatically resets and attempts to ignite the burner.

5.10. Step 9: Minimum burner box air pressure

BNDGUM01.T09 0000338607 C.2 A.2 3/18/21, 4:15 PM Released

Fireye machines Select SETUP MODE E (see [Section 4.1 , page 6](#)). This sets the modulating gas valve to 000 and displays the inlet temperature.

Landis + Gyr machines Set the modulating gas valve to position 000 (MVP=000). See [Section 4.2 , page 7](#).

1. Look at [Figure 2, page 5](#). Attach one side of the manometer to **GAB** (the lower pressure) and leave the other side open to the atmosphere.
2. Remove the cover from **SPBB**. Carefully turn the center adjustment screw (white potentiometer that the arrow points to) counterclockwise until the top of the screw is level with the collar. **Do not allow the adjustment screw to come out of the switch. The screw is spring loaded.**
3. Adjust **VB** until the manometer shows the value specified in [Section 2 , page 2](#).
4. Look at the burner box pressure light () on the status light panel. Slowly turn the adjustment screw on **SPBB** clockwise until the status light illuminates and the burner extinguishes.
5. Close **VB** fully.

5.11. Step 10: Maximum back (air) pressure

BNDGUM01.C09 0000338606 C.2 A.2 3/18/21, 4:15 PM Released

The dial on **SPHD** (see [Figure 2, page 5](#)) is set at the factory to the value specified in [Section 2 , page 2](#). If the maximum back pressure is exceeded, this switch trips. This causes the message "Back pressure high" or "Clean the lint screen" to appear on the controller display to indicate that a lint screen may be blocked. It does not stop dryer operation. It may be necessary to adjust this switch slightly once the machine is connected to the laundry ductwork. Air pressure in the plenum for this dryer may be affected by the ductwork configuration and by adjacent dryers.

It is difficult to adjust **SPHD** with a manometer. Initially, this switch was set with the dial alone (the marks on the dial show the specified value). If the message appears too frequently, turn the dial to a higher value. If the message does not appear when it should (when a lint screen is blocked) turn the dial to a lower value.

End of document: BNDGUM01

Torque Requirements for Fasteners



This document uses Simplified Technical English. Learn more at <http://www.asd-ste100.org>.

The document about the assembly gives the torque requirements for other fasteners. **If fastener torque specifications or threadlocker requirements in an assembly document are different from this document, use the assembly document.**

Figure 1: The Bolts in Milnor® Equipment

The Marks on Bolt Heads	Legend
	<p>A. SAE Grades 1 and 2, ASTM A307, and stainless steel</p> <p>B. Grade BC, ASTM A354</p> <p>C. SAE Grade 5, ASTM A449</p> <p>D. SAE Grade 8 and ASTM A354 BD</p>

1. Torque Values

These tables give the standard dimension, grade, threadlocker, and torque requirements for fasteners frequently used on Milnor® equipment.

Note 1: Data from the Pellerin Milnor® Corporation “Bolt Torque Specification” (bolt_torque_milnor.xls/2002096).

1.1. Fasteners Made of Carbon Steel

1.1.1. Without a Threadlocker

Table 1: Torque Values for Standard Fasteners with Maximum 5/16-inch Diameters and No Lubricant

Dimension	The Grade of the Bolt							
	Grade 2		Grade 5		Grade 8		Grade BC	
	Pound-Inches	N-m	Pound-Inches	N-m	Pound-Inches	N-m	Pound-Inches	N-m
1/4 x 20	66	7	101	11	143	16	126	14
1/4 x 28	76	9	116	13	163	18	--	--
5/16 x 18	136	15	209	24	295	33	258	29
5/16 x 24	150	17	232	26	325	37	--	--

Torque Requirements for Fasteners

Table 2: Torque Values for Standard Fasteners Larger Than 5/16-inch Diameters and No Lubricant

Dimension	The Grade of the Bolt							
	Grade 2		Grade 5		Grade 8		Grade BC	
	Pound-feet	N-m	Pound-feet	N-m	Pound-feet	N-m	Pound-feet	N-m
3/8 x 16	20	27	31	42	44	59	38	52
3/8 x 24	23	31	35	47	50	68	--	--
7/16 x 14	32	43	49	66	70	95	61	83
7/16 x 20	36	49	55	75	78	105	--	--
1/2 x 13	49	66	75	102	107	145	93	126
1/2 x 20	55	75	85	115	120	163	--	--
9/16 x 12	70	95	109	148	154	209	134	182
9/16 x 18	78	106	121	164	171	232	--	--
5/8 x 11	97	131	150	203	212	287	186	252
5/8 x 18	110	149	170	231	240	325	--	--
3/4 x 10	172	233	266	361	376	510	329	446
3/4 x 16	192	261	297	403	420	569	--	--
7/8 x 9	167	226	429	582	606	821	531	719
7/8 x 14	184	249	473	641	668	906	--	--
1 x 8	250	339	644	873	909	1232	796	1079
1 x 12	274	371	704	954	994	1348	--	--
1 x 14	281	381	723	980	1020	1383	--	--
1 1/8 x 7	354	480	794	1077	1287	1745	1126	1527
1 1/8 x 12	397	538	891	1208	1444	1958	--	--
1 1/4 x 7	500	678	1120	1519	1817	2464	1590	2155
1 1/4 x 12	553	750	1241	1682	2012	2728	--	--
1 3/8 x 6	655	888	1469	1992	2382	3230	2085	2827
1 3/8 x 12	746	1011	1672	2267	2712	3677	--	--
1 1/2 x 6	869	1178	1949	2642	3161	4286	2767	3751
1 1/2 x 12	979	1327	2194	2974	3557	4822	--	--

Table 3: Torque Values for Plated Fasteners with Maximum 5/16-inch Diameters and No Lubricant

Dimension	The Grade of the Bolt							
	Grade 2		Grade 5		Grade 8		Grade BC	
	Pound-Inches	N-m	Pound-Inches	N-m	Pound-Inches	N-m	Pound-Inches	N-m
1/4 x 20	49	6	76	9	107	12	95	11
1/4 x 28	56	6	88	10	122	14	--	--
5/16 x 18	102	12	156	18	222	25	193	22
5/16 x 24	113	13	174	20	245	28	--	--

Table 4: Torque Values for Plated Fasteners Larger Than 5/16-inch Diameters and No Lubricant

Dimension	The Grade of the Bolt							
	Grade 2		Grade 5		Grade 8		Grade BC	
	Pound-feet	N-m	Pound-feet	N-m	Pound-feet	N-m	Pound-feet	N-m
3/8 x 16	15	20	23	31	33	44	29	38
3/8 x 24	17	23	26	35	37	49	--	--
7/16 x 14	24	32	37	50	52	71	46	61
7/16 x 20	27	36	41	55	58	78	--	--
1/2 x 13	37	49	56	76	80	106	70	93
1/2 x 20	41	55	64	85	90	120	--	--
9/16 x 12	53	70	81	110	115	153	101	134
9/16 x 18	59	79	91	122	128	174	--	--
5/8 x 11	73	97	113	150	159	212	139	186
5/8 x 18	83	110	127	172	180	240	--	--
3/4 x 10	129	173	200	266	282	376	246	329
3/4 x 16	144	192	223	297	315	420	--	--
7/8 x 9	125	166	322	430	455	606	398	531
7/8 x 14	138	184	355	474	501	668	--	--
1 x 8	188	250	483	644	682	909	597	796
1 x 12	205	274	528	716	746	995	--	--
1 x 14	210	280	542	735	765	1037	--	--
1 1/8 x 7	266	354	595	807	966	1288	845	1126
1 1/8 x 12	298	404	668	890	1083	1444	--	--
1 1/4 x 7	375	500	840	1120	1363	1817	1192	1590
1 1/4 x 12	415	553	930	1261	1509	2013	--	--
1 3/8 x 6	491	655	1102	1470	1787	2382	1564	2085
1 3/8 x 12	559	758	1254	1672	2034	2712	--	--
1 1/2 x 6	652	870	1462	1982	2371	3161	2075	2767
1 1/2 x 12	733	994	1645	2194	2668	3557	--	--

1.1.2. With a Threadlocker

Table 5: Threadlocker by the Diameter of the Bolt (see Note 2)

LocTite Product	Dimension			
	1/4-inch	1/4- to 5/8-inch	5/8- to 7/8-inch	1-inch +
LocTite 222	OK			
LocTite 242		OK		
LocTite 262			OK	
LocTite 272			High temperature	
LocTite 277				OK

Note 2: The acceptable bolt size ranges for various LocTite® threadlocking products is the LocTite manufacturer's **general** recommendation. Specific applications sometime require that a LocTite product is applied to a bolt size outside the ranges shown here. For example, Milnor specifies LocTite 242 for use on certain 1" bolt applications and has confirmed this usage with the LocTite manufacturer. You may see variances such as this in the documentation for specific machine assemblies.

Torque Requirements for Fasteners

Table 6: Torque Values if You Apply LocTite 222

Dimension	The Grade of the Bolt							
	Grade 2		Grade 5		Grade 8		Grade BC	
	Pound-inches	N-m	Pound-inches	N-m	Pound-inches	N-m	Pound-inches	N-m
1/4 x 20	60	7	96	11	132	15	108	12
1/4 x 28	72	8	108	12	144	16	--	--

Table 7: Torque Values if You Apply LocTite 242

Dimension	The Grade of the Bolt							
	Grade 2		Grade 5		Grade 8		Grade BC	
	Pound-feet	N-m	Pound-feet	N-m	Pound-feet	N-m	Pound-feet	N-m
5/16 x 18	11	15	17	23	25	34	22	30
5/16 x 24	13	18	19	26	27	37	27	37
3/8 x 16	20	27	31	42	44	60	38	52
3/8 x 24	23	31	35	47	50	68	--	--
7/16 x 14	32	43	49	66	70	95	61	83
7/16 x 20	36	49	55	75	78	106	--	--
1/2 x 13	49	66	75	102	107	145	93	126
1/2 x 20	55	75	85	115	120	163	--	--
9/16 x 12	70	95	109	148	154	209	134	182
9/16 x 18	78	106	121	164	171	232	--	--
5/8 x 11	97	132	150	203	212	287	186	252
5/8 x 18	110	149	170	230	240	325	--	--

Table 8: Torque Values if You Apply LocTite 262

Dimension	The Grade of the Bolt							
	Grade 2		Grade 5		Grade 8		Grade BC	
	Pound-feet	N-m	Pound-feet	N-m	Pound-feet	N-m	Pound-feet	N-m
3/4 x 10	155	210	240	325	338	458	296	401
3/4 x 16	173	235	267	362	378	512	--	--
7/8 x 9	150	203	386	523	546	740	477	647
7/8 x 14	165	224	426	578	601	815	--	--

Table 9: Torque Values if You Apply LocTite 272 (High-Temperature)

Dimension	The Grade of the Bolt							
	Grade 2		Grade 5		Grade 8		Grade BC	
	Pound-feet	N-m	Pound-feet	N-m	Pound-feet	N-m	Pound-feet	N-m
1 x 8	350	475	901	1222	1272	1725	1114	1510
1 x 12	383	519	986	1337	1392	1887	--	--
1 x 14	393	533	1012	1372	1428	1936	--	--
1-1/8 x 7	496	672	1111	1506	1802	2443	1577	2138
1-1/8 x 12	556	754	1247	1691	2022	2741	--	--
1-1/4 x 7	700	949	1568	2126	2544	3449	2226	3018
1-1/4 x 12	774	1049	1737	2355	2816	3818	--	--
1-3/8 x 6	917	1243	2056	2788	3335	4522	2919	3958
1-3/8 x 12	1044	1415	2341	3174	3797	5148	--	--
1-1/2 x 6	1217	1650	2729	3700	4426	6001	3873	5251
1-1/2 x 12	1369	1856	3071	4164	4980	6752	--	--

Table 10: Torque Values if You Apply LocTite 277

Dimension	The Grade of the Bolt							
	Grade 2		Grade 5		Grade 8		Grade BC	
	Pound-feet	N-m	Pound-feet	N-m	Pound-feet	N-m	Pound-feet	N-m
1 x 8	325	441	837	1135	1181	1601	1034	1402
1 x 12	356	483	916	1242	1293	1753	--	--
1 x 14	365	495	939	1273	1326	1798	--	--
1-1/8 x 7	461	625	1032	1399	1674	2270	1464	1985
1-1/8 x 12	516	700	1158	1570	1877	2545	--	--
1-1/4 x 7	650	881	1456	1974	2362	3202	2067	2802
1-1/4 x 12	719	975	1613	2187	2615	3545	--	--
1-3/8 x 6	851	1154	1909	2588	3097	4199	2710	3674
1-3/8 x 12	970	1315	2174	2948	3526	4781	--	--
1-1/2 x 6	1130	1532	2534	3436	4110	5572	3597	4877
1-1/2 x 12	1271	1723	2852	3867	4624	6269	--	--

1.2. Stainless Steel Fasteners

Table 11: Torque Values for Stainless Steel Fasteners 5/16-inch and Smaller

Dimension	316 Stainless		18-8 Stainless		18-8 Stainless with Loctite 767	
	Pound-Inches	N-m	Pound-Inches	N-m	Pound-Inches	N-m
1/4 x 20	79	9	76	9	45	5
1/4 x 28	100	11	94	11	56	6
5/16 x 18	138	16	132	15	79	9
5/16 x 24	148	17	142	16	85	10

Table 12: Torque Values for Stainless Steel Fasteners Larger Than 5/16-inch

Dimension	316 Stainless		18-8 Stainless		18-8 Stainless with Loctite 767	
	Pound-feet	N-m	Pound-feet	N-m	Pound-feet	N-m
3/8 x 16	21	28	20	27	12	16
3/8 x 24	23	31	22	29	13	18
7/16 x 14	33	44	31	42	19	25
7/16 x 20	35	47	33	45	20	27
1/2 x 13	45	61	43	58	26	35
1/2 x 20	47	64	45	61	27	37
9/16 x 12	59	81	57	77	34	46
9/16 x 18	66	89	63	85	38	51
5/8 x 11	97	131	93	125	56	75
5/8 x 18	108	150	104	141	62	84
3/4 x 10	132	179	128	173	77	104
3/4 x 16	130	176	124	168	75	101
7/8 x 9	203	275	194	263	116	158
7/8 x 14	202	273	193	262	116	157
1 x 8	300	406	287	389	172	233
1 x 14	271	367	259	351	156	211
1-1/8 x 7	432	586	413	560	248	336
1-1/8 x 12	408	553	390	529	234	317
1-1/4 x 7	546	740	523	709	314	425
1-1/4 x 12	504	683	480	651	288	390
1-1/2 x 6	930	1261	888	1204	533	722
1-1/2 x 12	732	992	703	953	422	572

2. Preparation



WARNING 2: Fire Hazard—Some solvents and primers are flammable.

- Use threadlocker and primers with sufficient airflow.
 - Do not use flammable material near ignition sources.
1. Clean all threads with a wire brush or a different tool.
 2. Remove the grease from the fasteners and the mating threads with solvent. Make the parts dry.

Note 3: Loctite 7649 Primer™ or standard solvents will remove grease from parts.

3. Apply a spray of Loctite 7649 Primer™ or equal on the fasteners and the mating threads. Let the primer dry for one minute minimum.

3. How to Apply a Threadlocker

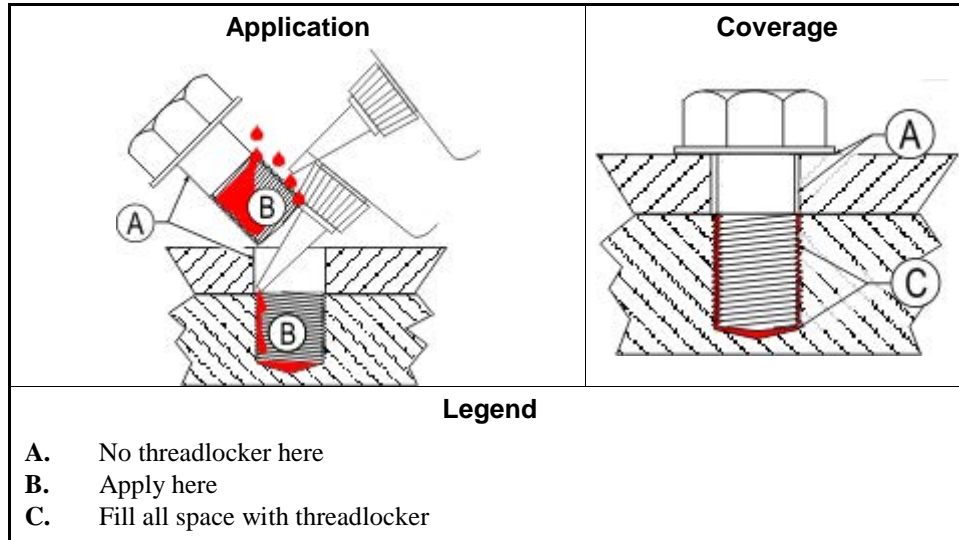


CAUTION 3: Malfunction Hazard—Heat, vibration, or mechanical shocks can let the fasteners loosen if you do not apply the threadlocker correctly. Loose fasteners can cause malfunctions of the equipment.

- Read the threadlocker manufacturer's instructions and warnings. Obey these instructions.

Apply the threadlocker only to the areas where the fastener threads and the mating threads engage.

Figure 2: Blind Hole



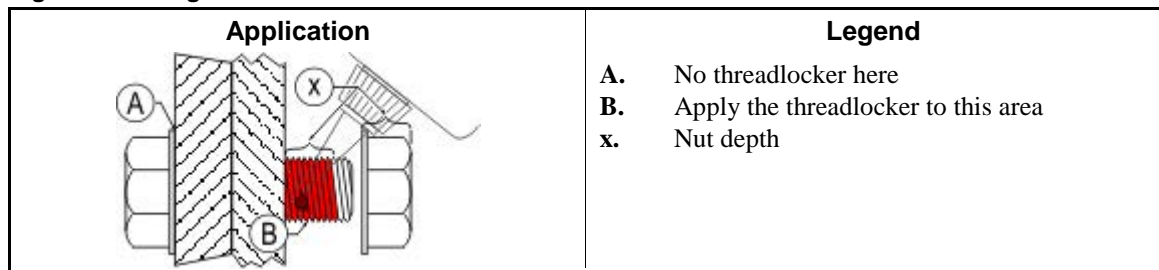
3.1. Blind Holes

1. Apply the threadlocker down the threads to the bottom of the hole.
2. Apply the threadlocker to the bolt.
3. Tighten the bolt to the value shown in the correct table ([Table 5](#) to [Table 11](#)).

3.2. Through Holes

1. Put the bolt through the assembly.
2. Apply the threadlocker only to the bolt thread area that will engage the nut.
3. Tighten the bolt to the value shown in the correct table ([Table 5](#) to [Table 11](#)).

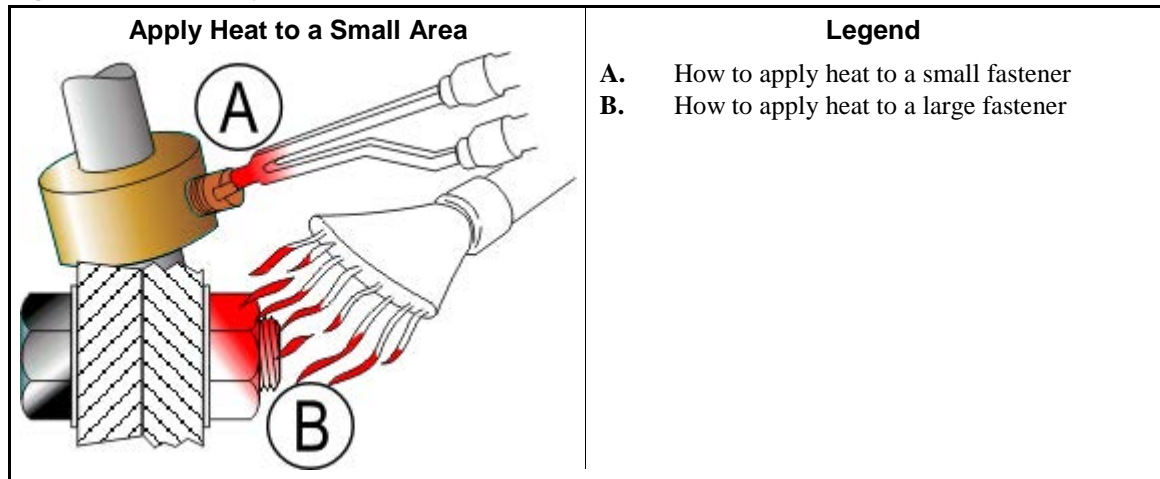
Figure 3: Through Hole



- 3.3. Disassembly**—For high-strength threadlocker, apply heat for five minutes. Disassemble with hand tools while the parts are hot.

For low-strength and moderate-strength threadlocker, disassemble with hand tools.

Figure 4: Disassembly



— End of BIUUM04 —

Covers and Shipping Brackets

3

Lifting Brackets

5040TG2L/R, TS2L/R, 5050TG1L/R, TS1L/R, 6450TG1L/R
6458TG1L/R, TS1L/R, 6464TG1L/R, TS1L/R, 7272TG1L/R, TS1L/R, 7676TG1L/R 8282TG1L/R

Figure 1: 5040, 5050, 6450, 6458, 6464, 7272, 7676, and 8282 Dryers (7676 Shown)

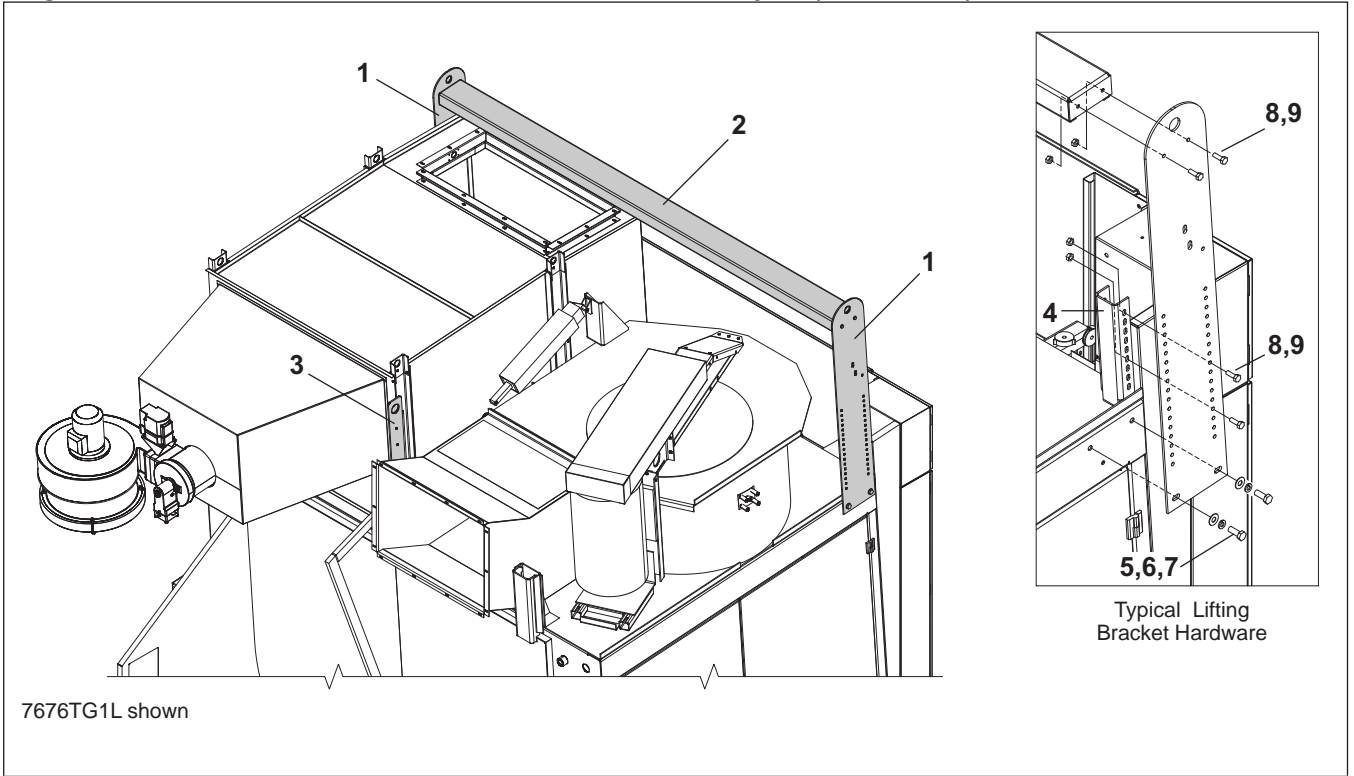
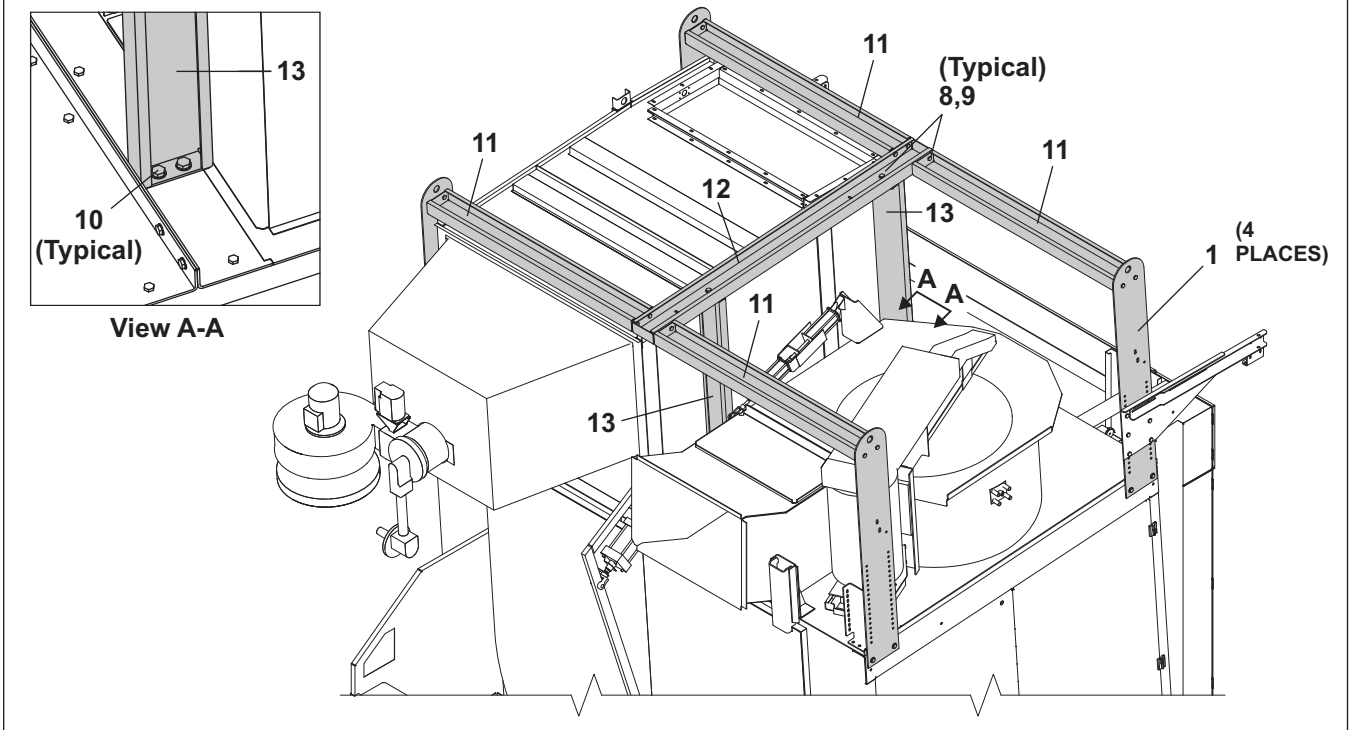


Figure 2: 8282 Dryers



Lifting Brackets

5040TG2L/R,TS2L/R, 5050TG1L/R,TS1L/R, 6450TG1L/R

6458TG1L/R,TS1L/R, 6464TG1L/R,TS1L/R, 7272TG1L/R,TS1L/R, 7676TG1L/R 8282TG1L/R

Parts List—Lifting Brackets

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

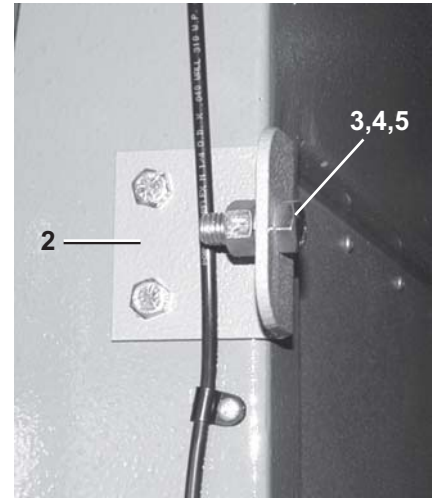
Used In	Item	Part Number	Description	Comments
-----REFERENCE ASSEMBLIES-----				
A			5040 DRYERS	
B			5050 DRYERS	
C			6450 DRYERS	
D			6458 DRYERS	
E			6464 DRYERS	
F			7272 DRYERS	
G			7676 DRYERS	
H			8282 DRYERS	
-----COMPONENTS-----				
ABDE	1	07 71315	DRYER LIFT BRKT STANDARD=41.50	
C	1	07 71315B	6450 DRYER LIFT BRKT=44.50	
FG	1	07 85315A	DRYER LIFT BRKT TALL=51.50	
H	1	07 88092	8282 DRYER LIFT BRKT	
AB	2	07 44075	5040 LIFT BRKT LONG SPREADER	
C	2	07 71316	6458 LIFT BRKT LONG SPREADER	
DE	2	07 81316	7272 LIFT BRKT LONG SPREADER	
H	2	07 88093	8282 SPREADER BAR CENTER STIFF	
AB	3	07 44076	5040 REAR LIFTING BRACKET	
CDEF	3	07 71183A	6458A REAR LIFTING BRACKET	
FG	3	07 71183B	DRYER REAR CHANNEL LIFTING BRACKET	
H	3	07 88096	8282 VT LIFTING BRKT	
A-F	4	07 71439	6458 RAILSUPP CORNER BRKT	
all	5	15K173A	HXCAPSCR 1/2-13UNC2AX1.75 GR5	
all	6	15U280	FL+WASHER(USS STD)1/2 ZNC PL+D	
all	7	15U300	LOKWASHER REGULAR 1/2 ZINC PLT	
all	8	15K105	HXCAPSCR 3/8-16UNC2A1.25 GR5 P	
all	9	15G198	HXFLGNUT 3/8-16 ZINC	

Dryer to Dryer Mounting Parts

5040, 5050, 6450, 6458, 6464, 7272, 7676, 8282 Dryers



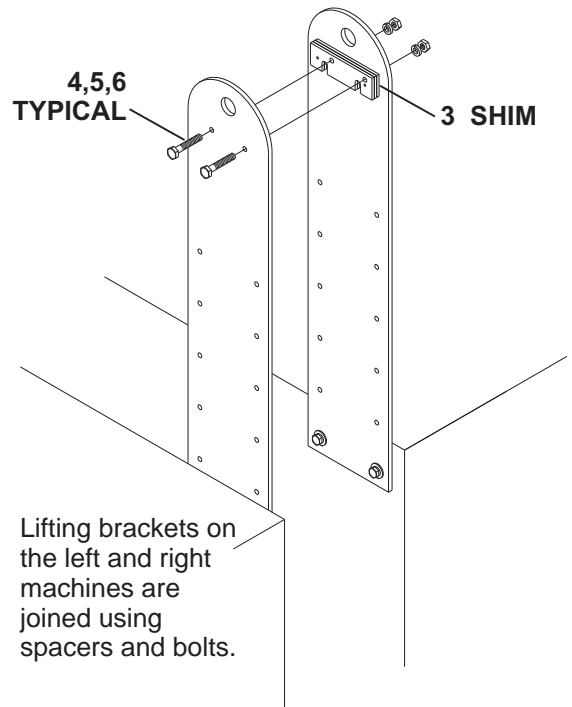
Sealing foam is applied to the right side of the left machine of the pair only. The dashed line shows where to apply the foam.
 ("right machine" shown in photo)



Mounting brackets are used to join left and right machines on the rear of the house and to join the pedestal legs.



Covers for nameplate and emergency stop replacement.



Lifting brackets on the left and right machines are joined using spacers and bolts.

See Instruction, "Dryer Installation" BIPD6I02.

Dryer to Dryer Mounting Parts

5040, 5050, 6450, 6458, 6464, 7272, 7676, 8282 Dryers

Parts List—Dryer to Dryer Mounting Parts				
Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.				
Used In	Item	Part Number	Description	Comments
-----COMPONENTS-----				
All	1	60A008A	1" X 1" NEO SPONGE/ADH.	
all	2	07 71309	6458 DRYER TO DRYER MNT BKT	
all	3	15K105	HXCAPSCR 3/8-16UNC2A1.25 GR5 P	
all	4	15U255	LOCKWASHER MEDIUM 3/8 ZINCPL	
all	5	15G205	HXNUT 3/8-16UNC2B ZINC GR2	
all	6	15K125	HEXCAPSCR 3/8-16UNC2AX2.5 GR5-	
all	7	07 71310	6458 DRYER TO DRYER MNT SHIM	
all	8	03 CC2X2	COVER PLT:DRYER NPLT REPLCMNT	
all	9	03 CC3X4	COVER PLT:DRYER E-STOP RPLCMNT	

Pedestal Base

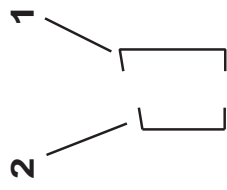
5040TG2L/R, TS2L/R 5050TG1L/R, TS1L/R

BMP100006/2012114B
(Sheet 1 of 3)



Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

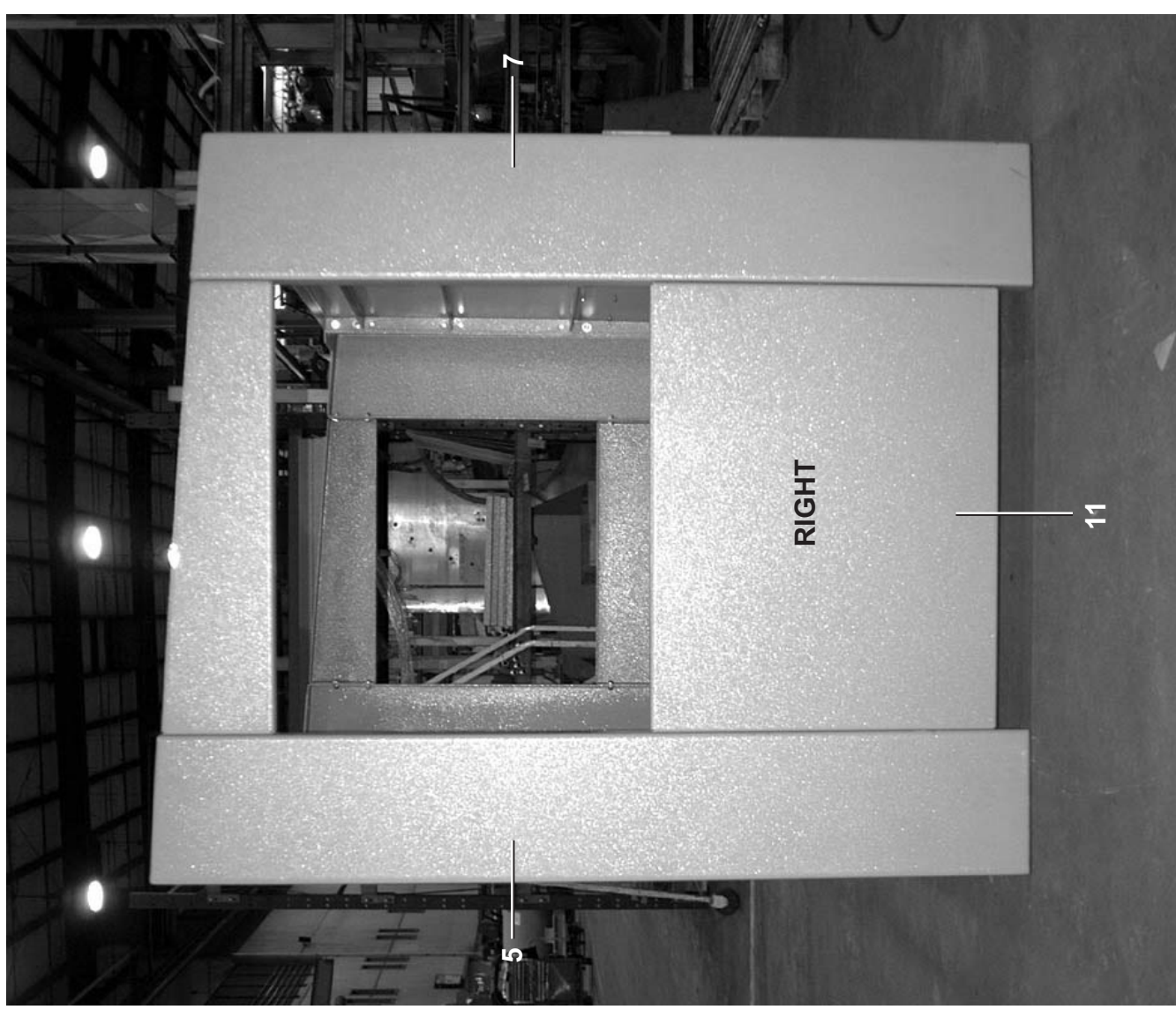
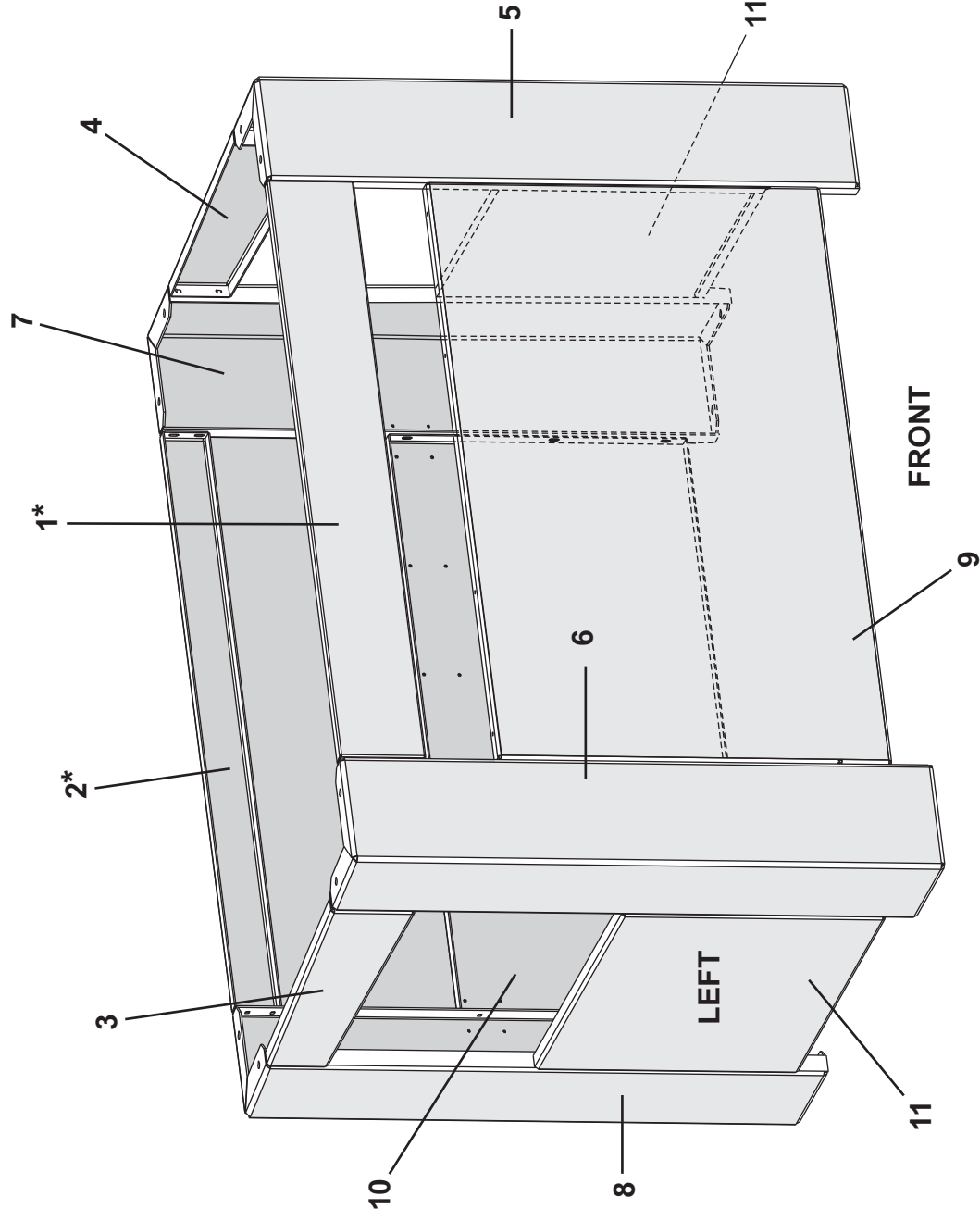
Litho in U.S.A.



**REAR / FRONT
CROSS BRACE**

Note*:

The upper front and upper rear cross braces are angled to match the angle of the pedestal legs. This angle may not be immediately apparent, you may need to use a level to identify the parts. Swapping these parts when assembling will cause the top flange to stick up above the rest of the pedestal and cause the dryer to sit incorrectly.



Pedestal Base

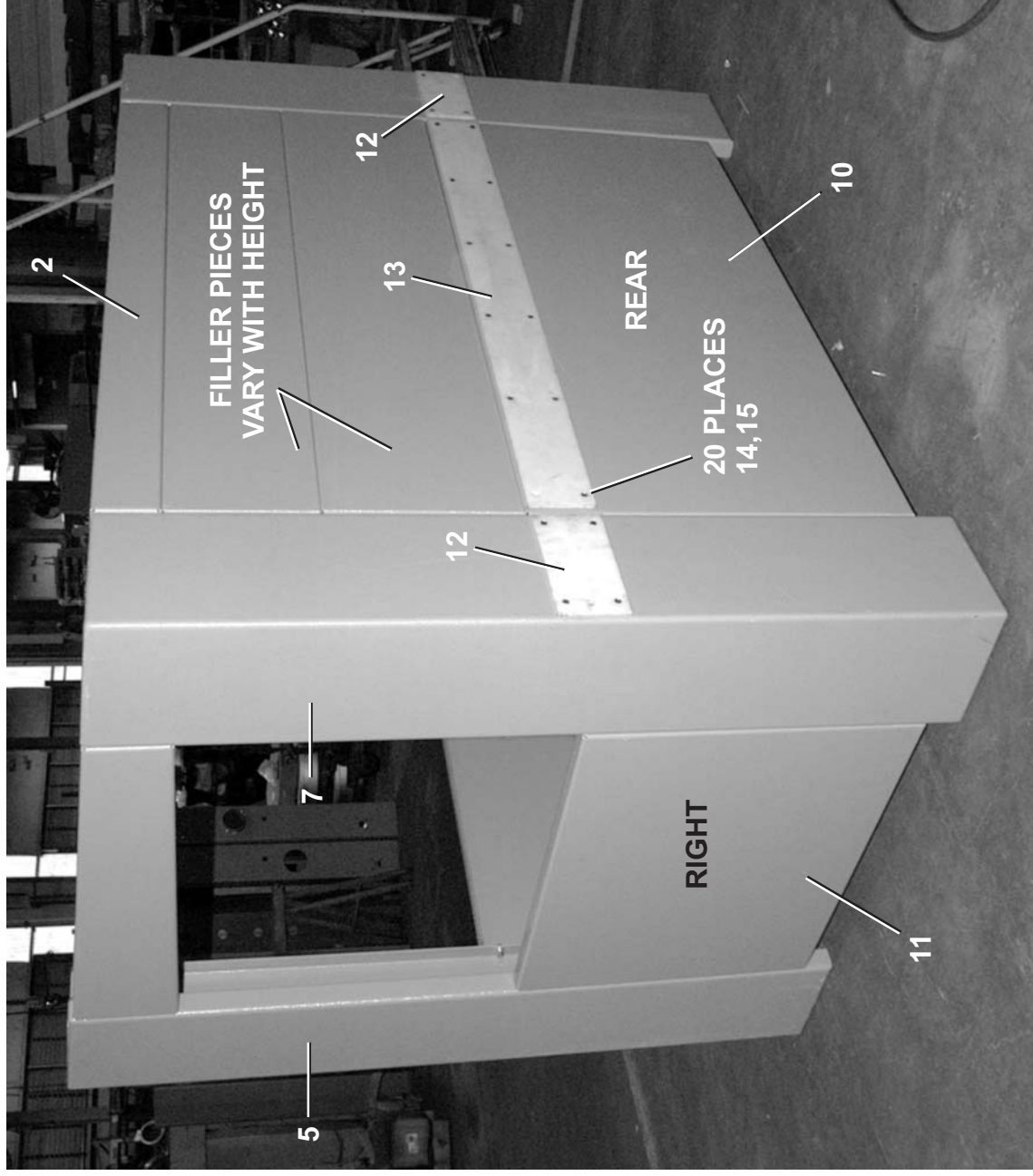
5040TG2L/R, TS2L/R 5050TG1L/R, TS1L/R



Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

BMP100006/2012114B
(Sheet 2 of 3)

Litho in U.S.A.



FRONT LEGS:

ITEM 5	PART NUMBER	07-44224	07-44101	07-44110	07-44108	07-44112	07-44114	07-44118	07-44100	07-44210
ITEM 6	PART NUMBER	07-44224A	07-44101A	07-44110A	07-44108A	07-44112A	07-44114A	07-44118A	07-44100A	07-44210A
	PEDESTAL ORDER HEIGHT (IN.)	-3.5	0.0	10.5	14	17.5	21	28	31.5	66.5
	LEG LENGTH (ITEMS 5&6) (IN.)	32.09	35.59	45.82	49.32	52.82	56.32	63.32	66.82	102.09

REAR LEGS:

ITEM 7	PART NUMBER	07-44225	07-44148	07-44111	07-44138	07-44135	07-44137	07-44153	07-44147	07-44209
ITEM 8	PART NUMBER	07-44225A	07-44148A	07-44111A	07-44138A	07-44135A	07-44137A	07-44154	07-44147A	07-44209A
	PEDESTAL ORDER HEIGHT (IN.)	-3.5	0.0	10.5	14	17.5	21	28	31.5	66.5
	LEG LENGTH (ITEMS 7&8) (IN.)	29.945	33.445	43.94	47.44	50.94	54.445	61.44	64.945	99.945

Pedestal Base

5040TG2L/R, TS2L/R 5050TG1L/R, TS1L/R



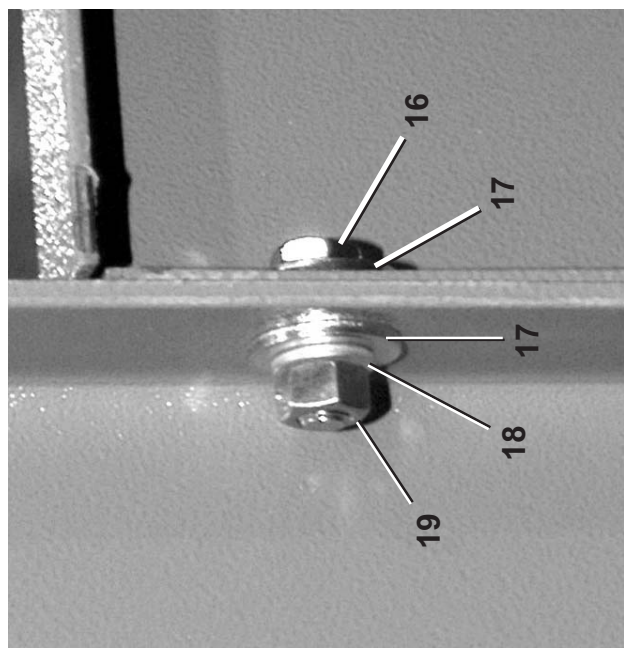
Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

BMP100006/2012114B
(Sheet 3 of 3)

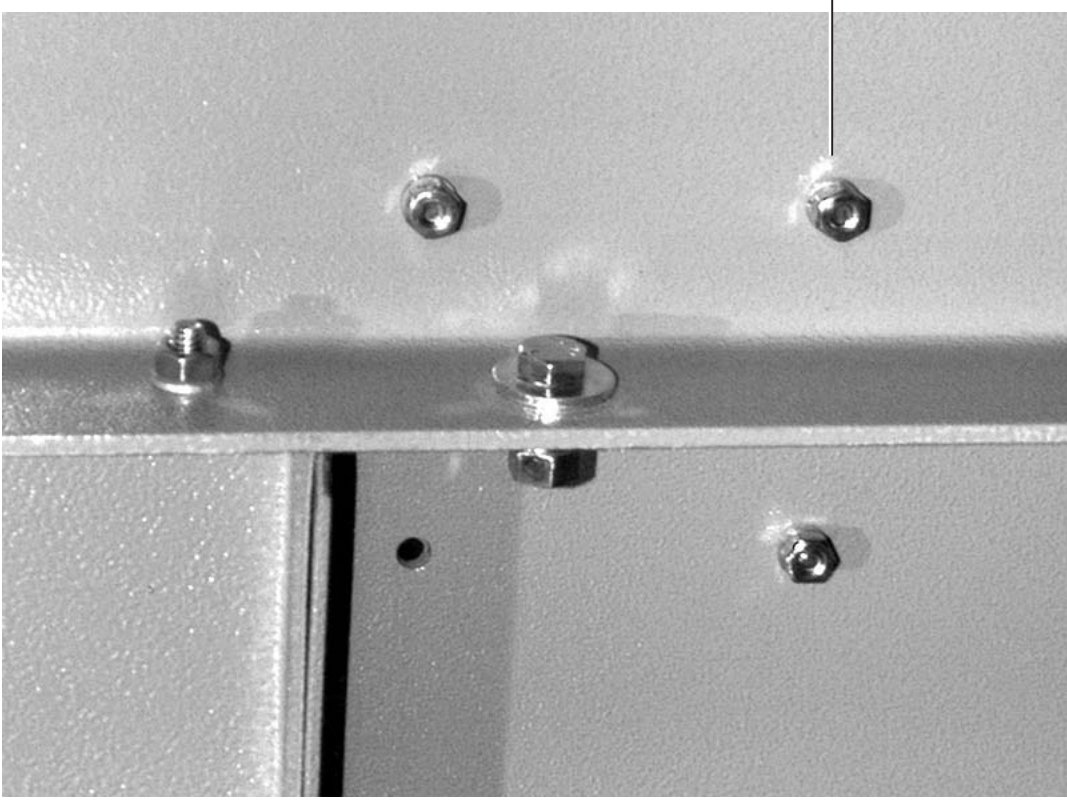
Litho in U.S.A.

Parts List—Pedestal Base Assembly
Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			ASSEMBLIES	
		A	NO EXTENTION LEGS	
		B	5040TG2 DRYER PEDESTAL 10.50"	
		C	5040TG2 DRYER PEDESTAL 14.00"	
		H	5050TG1 DRYER PEDESTAL 14.00"	
		D	5040TG2 DRYER PEDESTAL 17.50"	
		E	5040TG2 DRYER PEDESTAL 21.00"	
		J	5050TG1 DRYER PEDESTAL 28.00 "	
		F	5040TG2 DRYER PEDESTAL 31.5"	
		G	5040TG2 PEDESTAL LEGS 66.50"	
			COMPONENTS	
all	1	07 44153	5040 DRYER BASE FILLER TOP FT	NOT USED A,E
BCDFG	2	07 44217	5040 DRYER BASE FILLER TOP RR	
A-G	3	07 44155A	5040 DRYER BASE FILL DRV LEFT	
HJ	3	07 44155D	5050 DRYER BASE FILL DRV LEFT	
all	4	07 44155	5040 DRYER BASE FILL DRV RITE	
HJ	4	07 44155C	5050 DRYERBASE FILL DRV RIGHT	
all	5	07 44101	5040=STD PED FRONT RIGHT	-SEE CHART >LENGTHS
all	6	07 44101A	5040=STD PED FRONT LEFT	-SEE CHART >LENGTHS
all	7	07 44148	5040=STD PED REAR RIGHT	-SEE CHART >LENGTHS
all	8	07 44148A	5040=STD PED REAR LEFT	-SEE CHART >LENGTHS
all	9	07 44154	5040 DRYER BASE FILLER FNT+RR	
ABCDH	10A	07 44158	5040=REAR PANEL STD PED	0-17.5" PEDESTALS
EFGJ	10B	07 44158A	5040=REAR PANEL 21.00 PED	21"- 66.5" PEDESTALS
A-G	11	07 44156	5040 DRYER BASE FILL DVR LOW	
HJ	11	07 44156A	5050 DRYER BASE FILL DVR LOW	
all	12	07 71404	6458 BUMPER PAD-5"WX10"LG	
all	13	07 44157	5040 BUMPER PAD 5"X42"LG	
all	14	15G164NE	HEXLOKNIUT NYL 1/4-20 UNC2A SS.	
all	15	15N176	FLATMACSCR 1/4-20NCX3/4SS18-8	
all	16	15K095	HXCPSCR 3/8-16UNC2AX1 GR5 ZINC	
all	17	15U240	FLATWASHER(USS STD) 3/8" ZNC P	
all	18	15U255	LOCKWASHER MEDIUM 3/8 ZINCPL	
all	19	15G205	HXNIUT 3/8-16UNC2B ZINC GR2	
all	20	15K162	HXCAPSCR 1/2-13UNC2AX1.5 GR5 P	



TYPICAL 3/8" BOLTS



BUMPER GUARD BOLTS (20 PLACES) 14, 15



Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

Parts List—Pedestal Base Assembly

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
all	21	15U490	FLAWASH 1+1/2X17/32X1/4ZINC	
all	22	15U300	LOKWASHER REGULAR 1/2 ZINC PLT	
all	23	15G230	HXNUT 1/2-13UNC2B SAE ZINC GR2	
all	24	15U280	FL+WASHER(USS STD)1/2 ZNC PL+D	

Covers

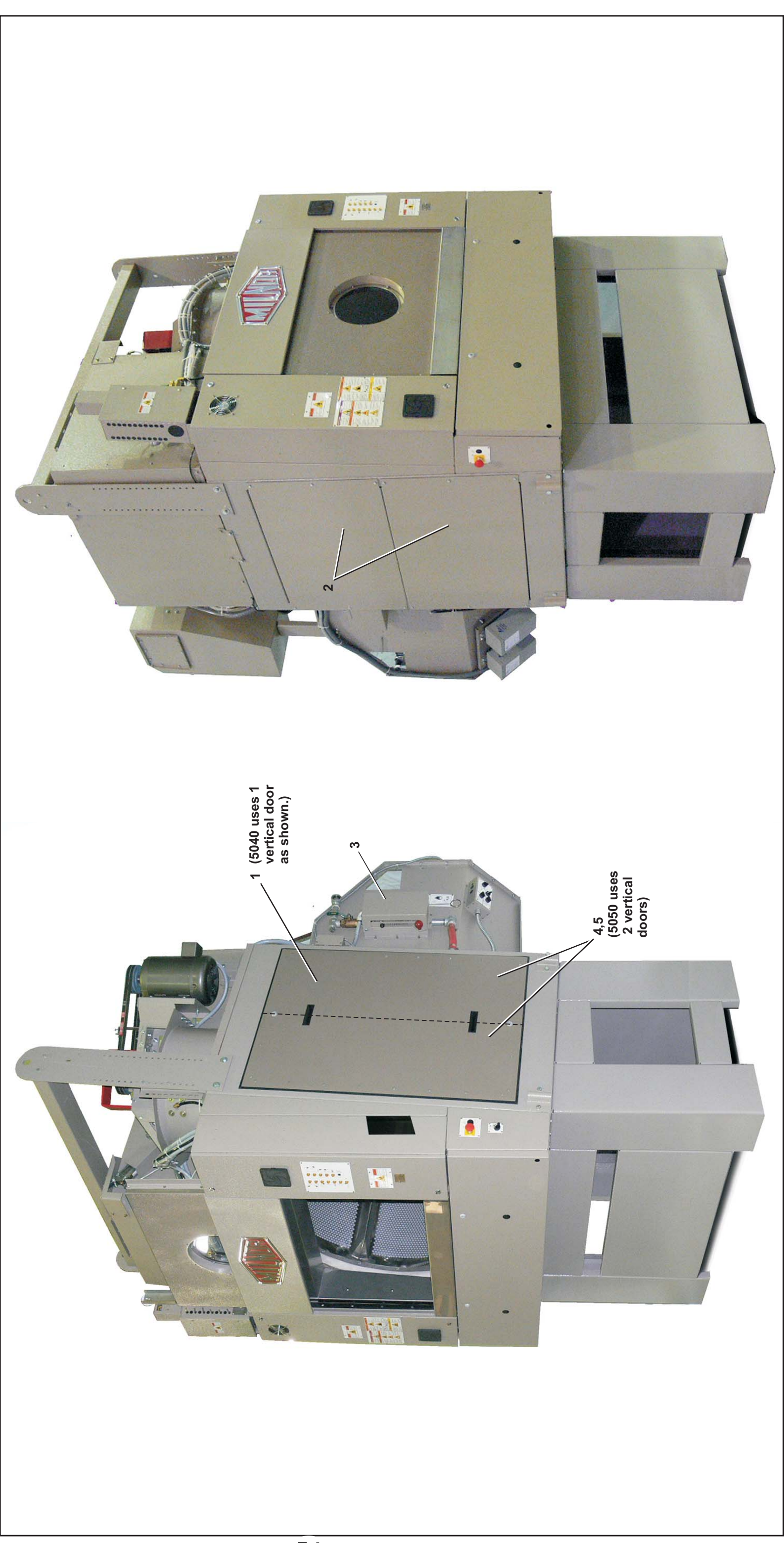
5040TG2L/R, 5040TS2L/R 5050TG1L/R, TS1L/R

BMP100004/2012114B
(Sheet 1 of 2)



Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.





Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

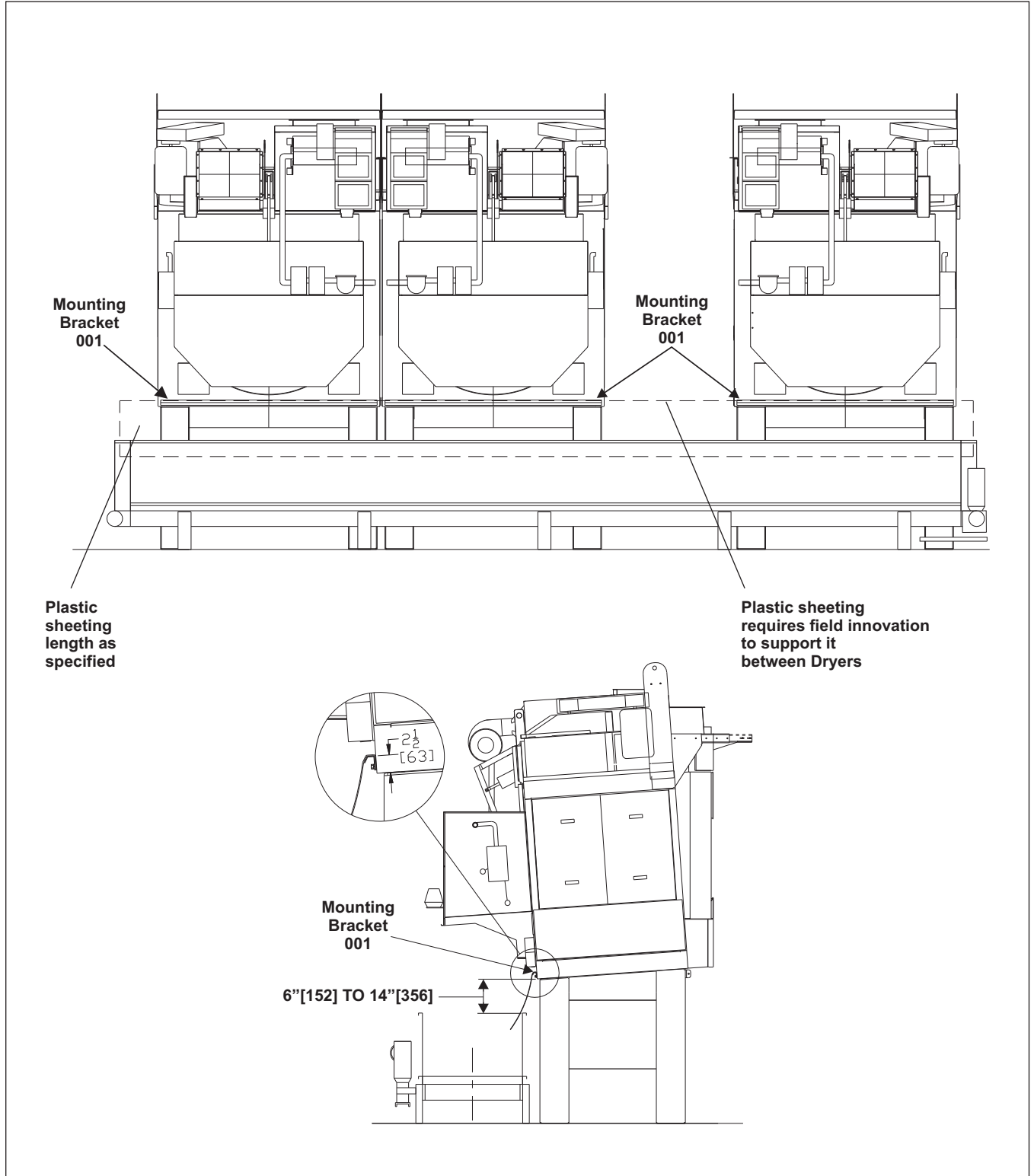
Parts List—Covers

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
-----ASSEMBLIES-----				
	A	G74SH004	5040TG2 GAS HOUSE INSTALL	5040TG2L/R,TS2L/R
	B	G74SH005	5050TG1 GAS HOUSE INSTALL LF	5050TG1L/R,TS1L/R
-----COMPONENTS-----				
AB	1	A74SD001	5040 SIDE DOOR ASSY	
A	2	07 44070	5040 HOUSE SIDE COVER (COLOR=WARM GRAY)	
B	2	07 44070A	5050 HOUSE SIDE COVER (COLOR=WARM GRAY)	
all	3	07 50428	SPRINKLER VALVE COVER DRYER (COLOR=WARM GRAY)	
B	4	A74SD017	5050 SIDE DOOR ASSY WITH CVR	
B	5	A74SD017A	5050 SIDE DOOR ASSY NO CVR	

Unload Bridge Installation

5040, 5050, 6450, 6458, 6464, 7272, 7676, & 8282 Dryers



Unload Bridge Installation

5040, 5050, 6450, 6458, 6464, 7272, 7676, & 8282 Dryers

Parts List—Unload Bridge Installation				
Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.				
Used In	Item	Part Number	Description	Comments
-----REFERENCE-----				
	A			5040 DRYERS
	B			5050 DRYERS
	C			6450, 6458 DRYERS
	D			6464 DRYERS
	E			7272 DRYERS
	F			7676 DRYERS
	G			8282 DRYERS
-----COMPONENTS-----				
AB	1	07 44230	5040 UNLOAD BRIDGE TO CONV	
CD	1	07 71568	6458 UNLOAD BRIDGE TO CONV	
EF	1	07 71569	7272 UNLOAD BRIDGE TO CONV	
G	1	07 88094	8282 UNLOAD BRIDGE TO CONV	

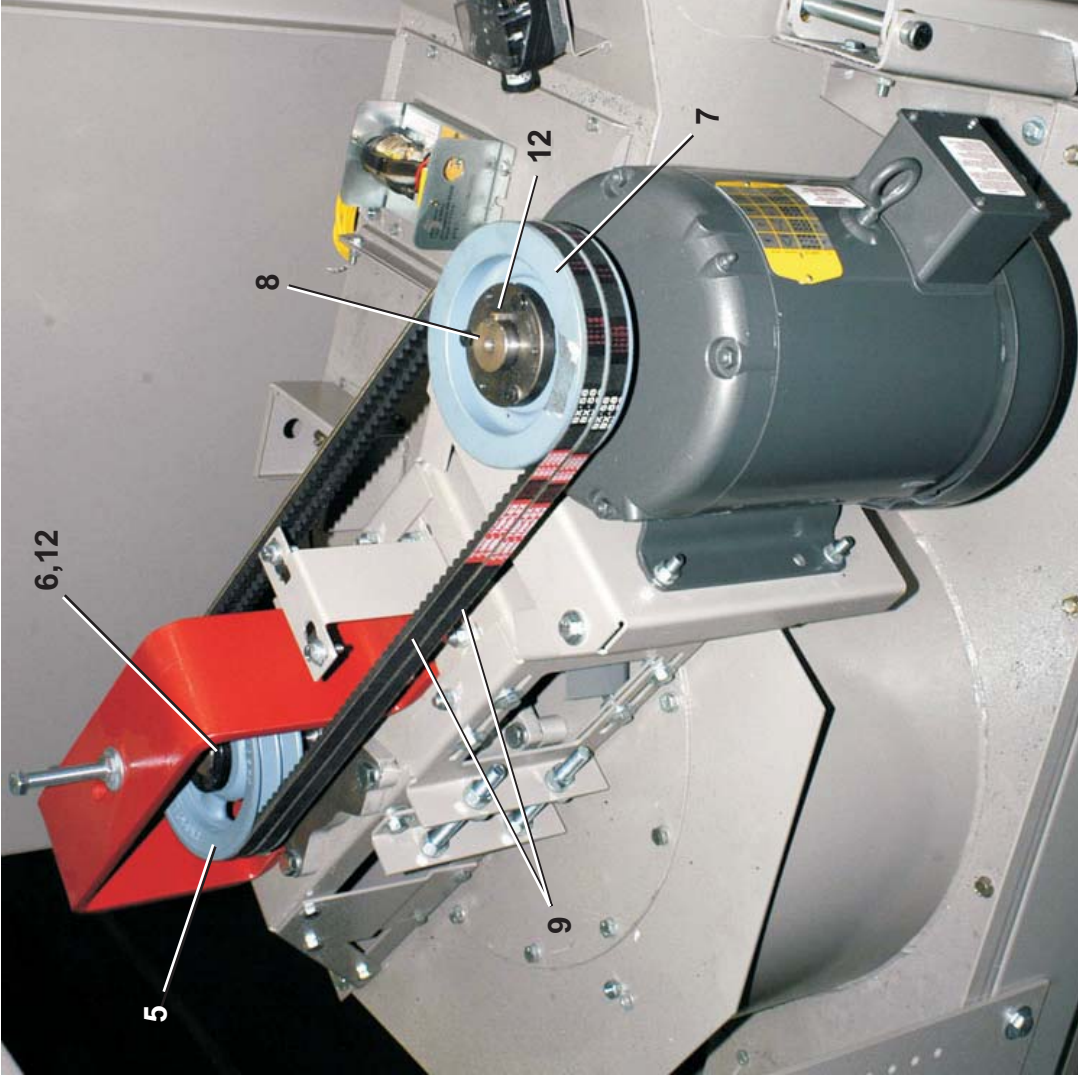
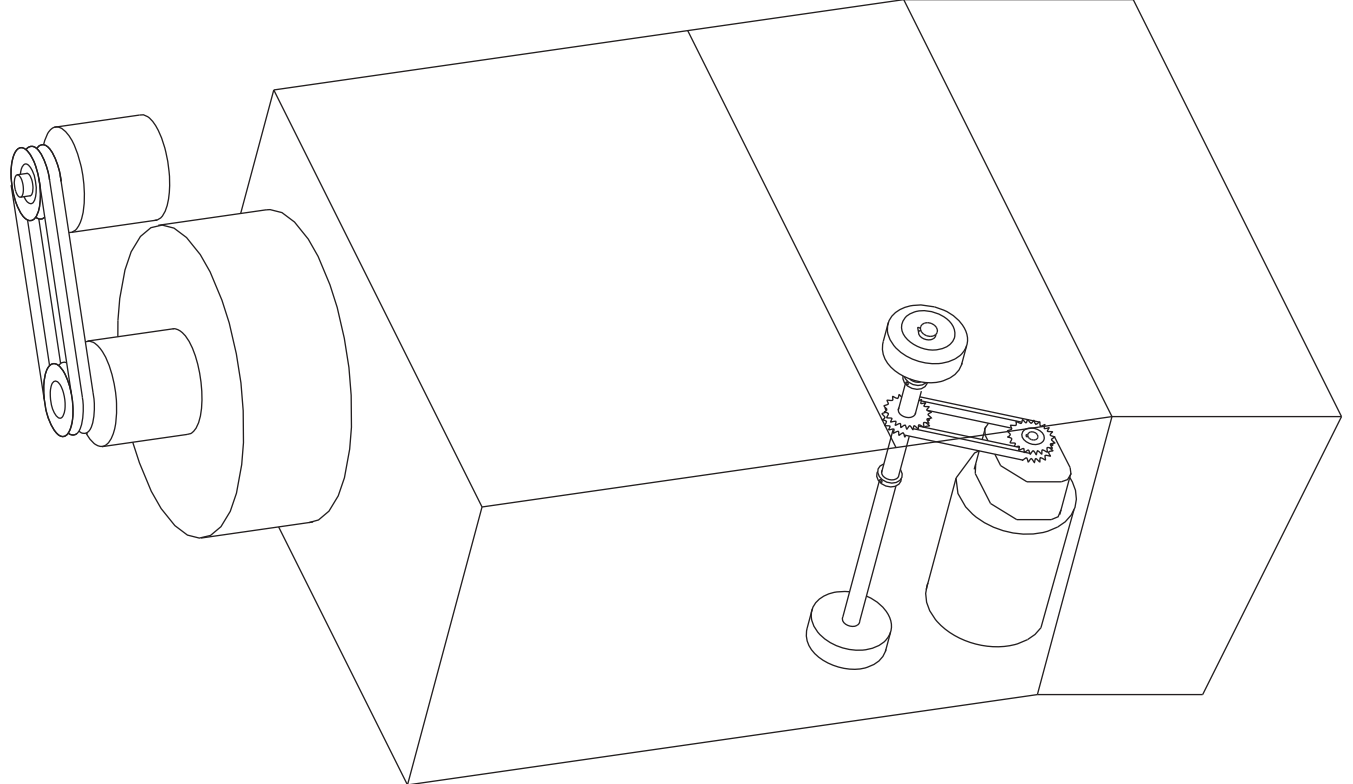
Drive Assemblies

4



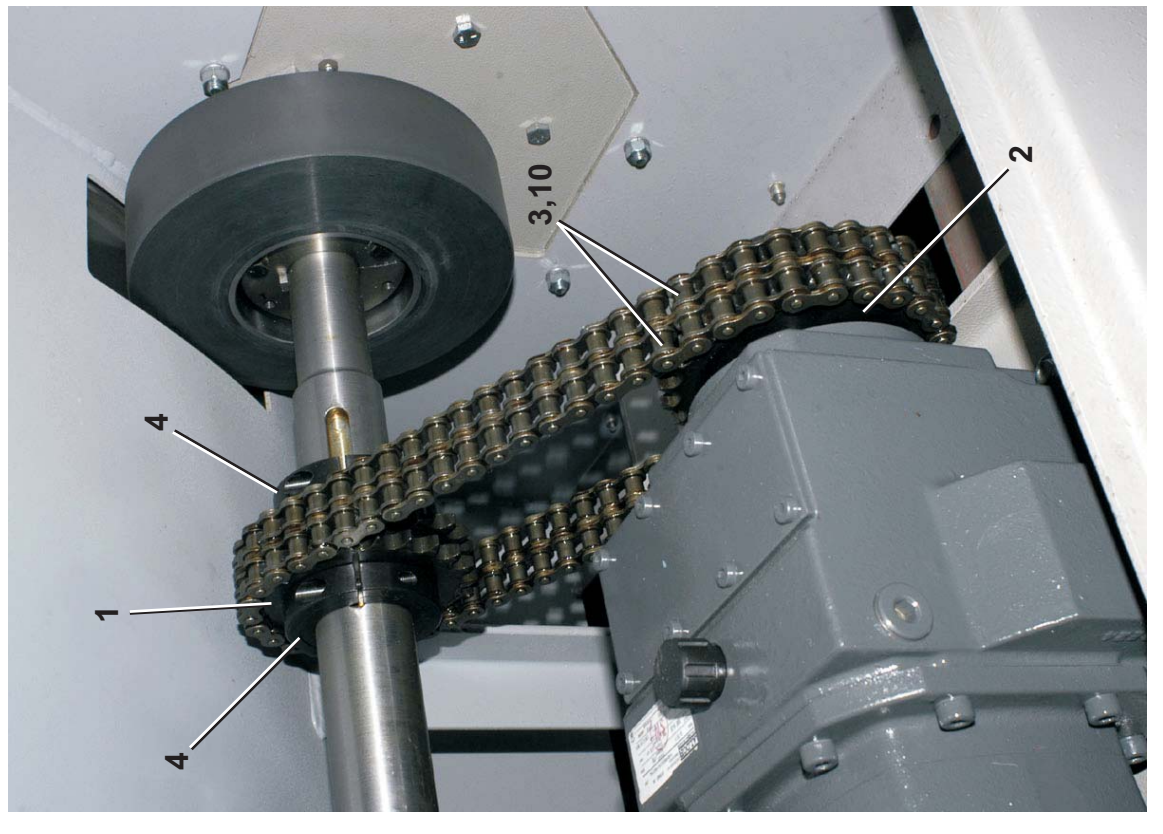
Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.



BLOWER DRIVE

CYLINDER DRIVE



Drive Chart

5040TG2L/R, TS2L/R 5050TG1L/R, TS1L/R



Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

BMP100007/2012114B
(Sheet 2 of 2)

Litho in U.S.A.

Used In	Item	Part Number	Description	Comments
	A	D74 01150	DRVE CHRT 5040TG2L/R DRYER	50C
	B	D74 01160	DRVE CHRT 5040TG2L/R DRYER 60C	60C
			-----ASSEMBLIES-----	
			-----COMPONENTS-----	
All	1	54N050B23D	SPRKT D50B23H 2" BORE DRVN	
all	2	54N050B25C	SPRKT D50B25H 1" BORE	
all	3	54G036SP	SOLID BUSH CHN 50-2 DBL 36.25"	
all	4	54JH22000C	SHFTCOLL 2"ID DBLSPLT CARSTL	
all	5	56064B2H	VPUL 2B6.4/A6.0 2BK70H	
all	6	56Q1GH	1+3/8" BUSH VPUL TYPE H,D,ORQT	
A	7	56060B2SDS	VPUL 2B6.0/A5.6 (SDS) TYPE QD	
B	7	56054B2SDS	VPUL 2B5.4/A5.0 (SDS) TYPE QD	
all	8	56Q1GSDS	1+3/8" BUSH VPUL QD TYPE SDS	
all	9	56VB058X	VBELT BX58 DAYCO RAWEDGE COG	
all	10	20H011CG	ALVANIA CG1 GREASE EA=1 TUBE	
all	11	07 71752	SPROCKET ALIGNMENT GAGE-6458	
all	12	15E195	SQMACHKEY 3/16X1+1/2 NOTAPER&H	

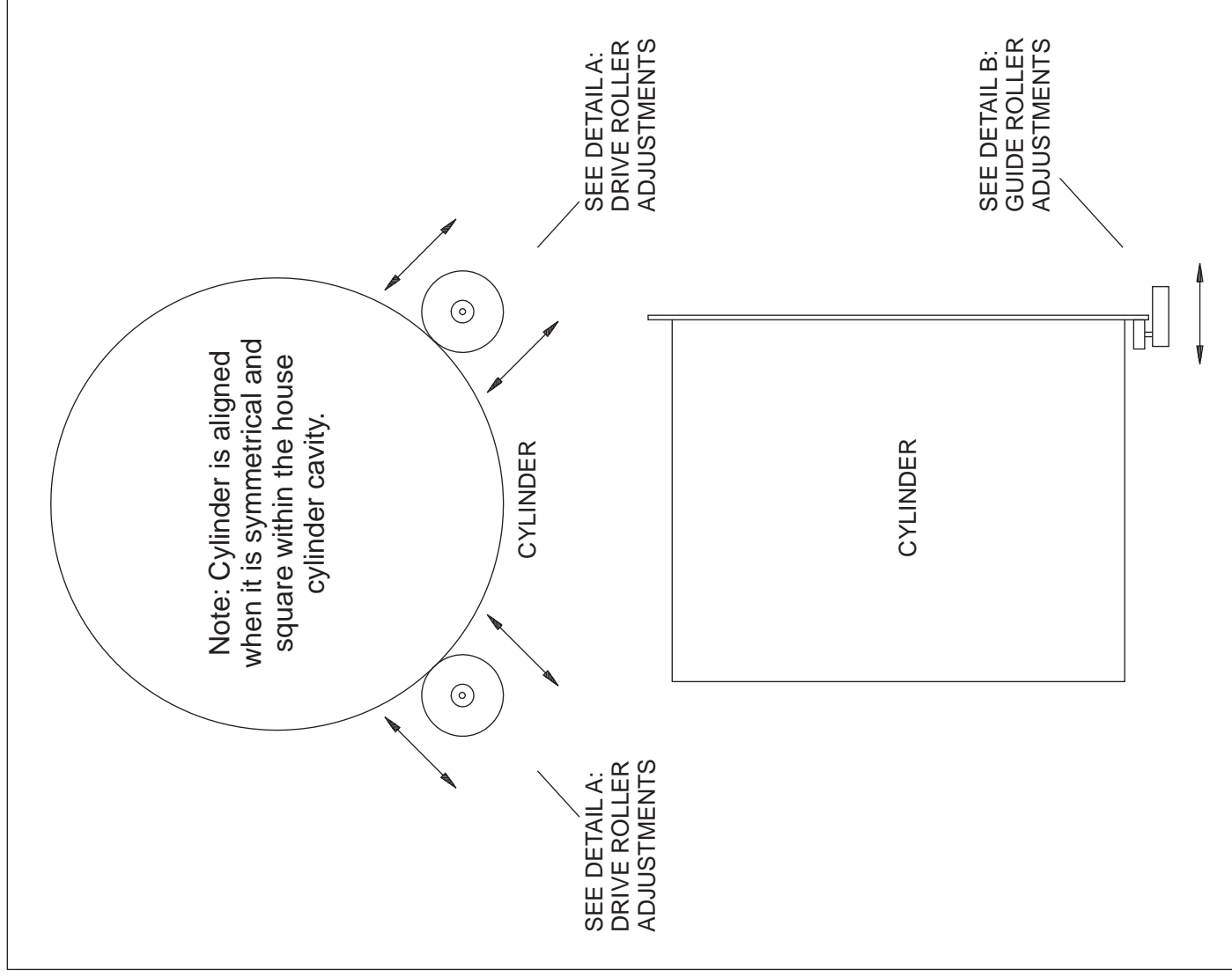
Use the Sprocket Alignment Gage (item 12), shipped with the machine, to align the drive and driven sprockets.



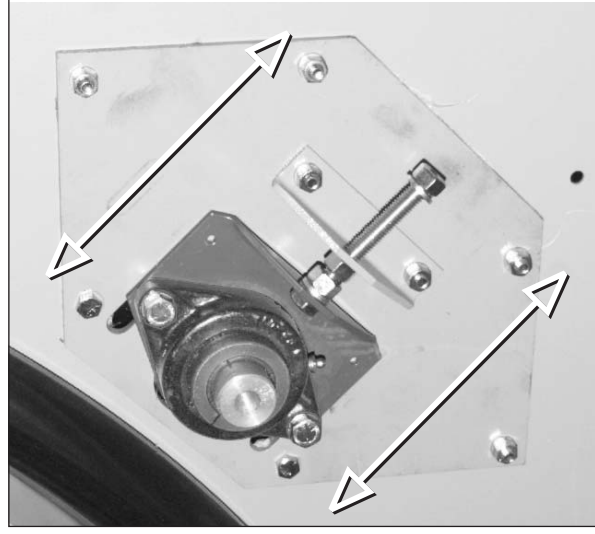


Pellerin Milnor Corporation
 P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

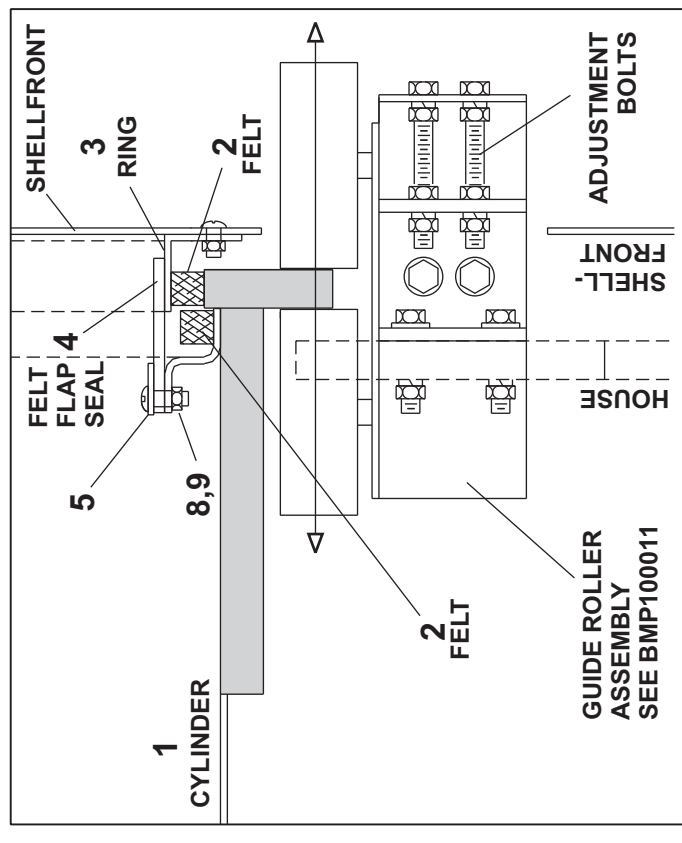


CYLINDER ALIGNMENT ADJUSTMENTS



DETAIL A: DRIVE & SUPPORT ROLLER ADJUSTMENTS

Use the adjustable bolts on the bearing mounting plates to adjust the position of the drive rollers.



DETAIL B: GUIDE ROLLER ADJUSTMENTS
 (ADJUSTS FRONT/REAR POSITION OF CYLINDER)



Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

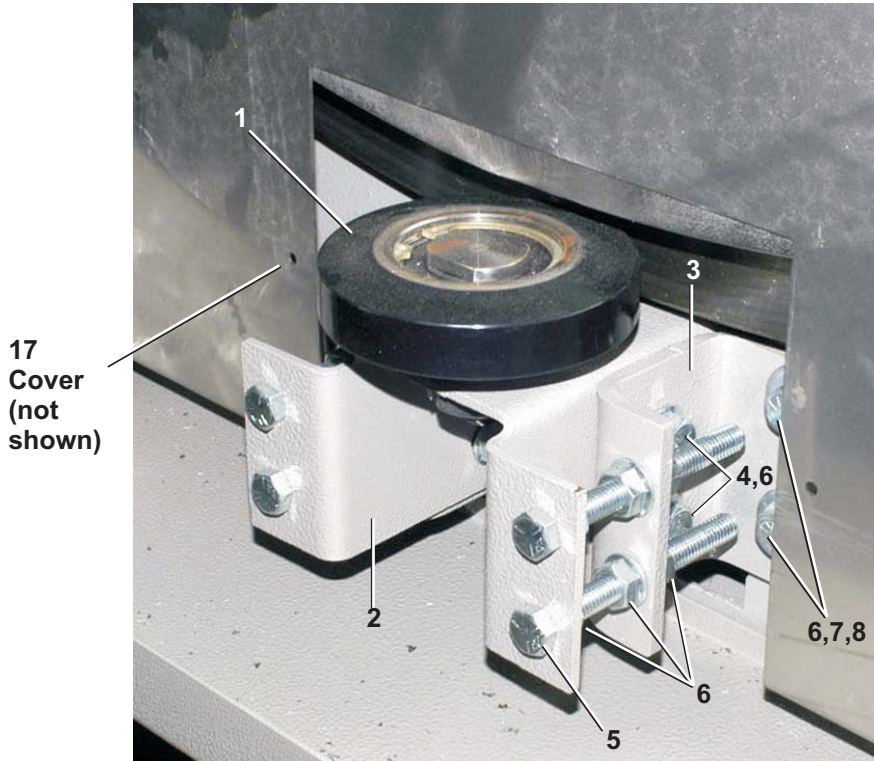
Parts List—Cylinder Installation

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

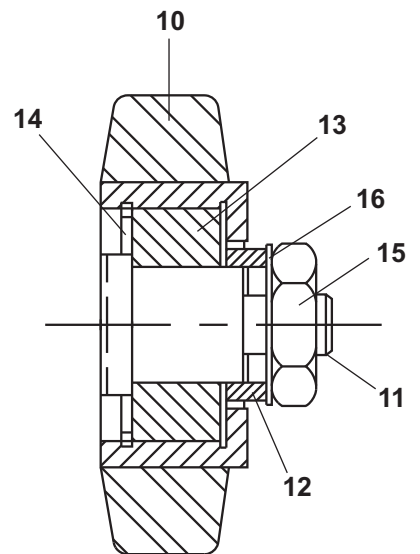
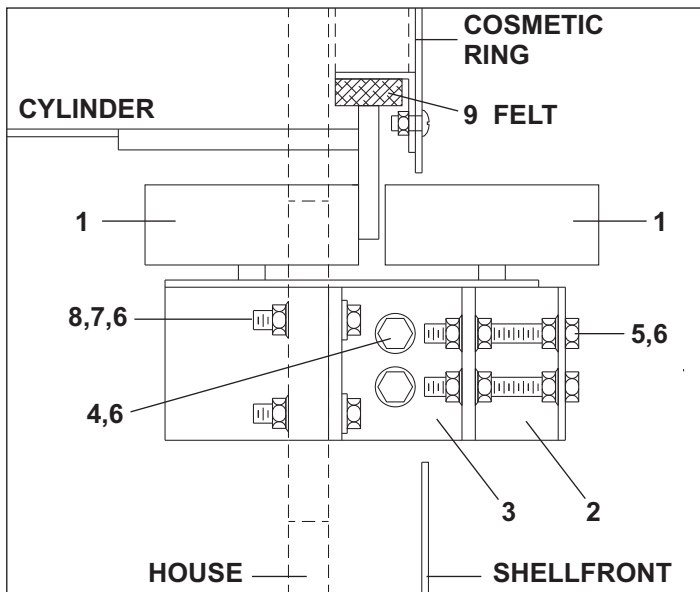
Used In	Item	Part Number	Description	Comments
			-----ASSEMBLIES-----	
	A	A74FS001	5040 FRONT FLAP SEAL ASSY	
			-----COMPONENTS-----	
all	1	A74CA004	MACH=BASKET 5040 TG2	5040 STANDARD
all	1	A74CA002A	5040 TEFLON COATED CYLINDER	5040 TEFLON
all	1	A74CA004	5050 DRYER BASKET	5050 STANDARD
all	1	A74CA011	5050 DRYER BASKET TEFLON COAT	5050 TEFLON
all	1	A74CA012	5050 DRYER BASKET HITEMP COAT	5050 HITEMP
All	2	27A686	FELT 3/4"THKX1/2"W F7=0.67	
all	3	07 40950	COSMETIC RING - 50040DRY	
all	4	07 41226A	5040 FRONT SEAL/FELT/NOMEX	
all	5	07 44067	5040 CYL SEAL RETAINER STRIP	
all	8	15K033	BUTSOKCAPSCR 1/4-20X5/8 SS18-8	
all	9	15G164NE	HEXLOKNUT NYL 1/4-20 UNC2A SS.	

Guide Roller Assembly

5040, 5050, 6458, 6464, 7272, 7676, and 8282 Dryers



17
Cover
(not shown)



Guide Roller Assembly

5040, 5050, 6458, 6464, 7272, 7676, and 8282 Dryers

Parts List—Guide Roller Assembly				
Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.				
Used In	Item	Part Number	Description	Comments
-----ASSEMBLIES-----				
	A	A77GB010	6458 GUIDE ROLLER ASSY=DRYER	REFERENCE 5040TG2L/R,TS2L/R 5050TG1L/R,TS1L/R 6458TG1L/R,TS1L/R 6464TG1L/R,TS1L/R
	B	A78GB001	72" GUIDE ROLLER ASSY	REFERENCE 7272TG1L/R, TS1L/R 7676TG1L/R 8282TG1L/R
-----COMPONENTS-----				
A	1	A75GB003B	*4" GUIDE ROLLER WHEEL ASSY	TWO REQUIRED CONTAINS 10-16
B	1	A77GB003	5880 GUIDE ROLLER WHEEL ASSY	TWO REQUIRED CONTAINS 10-16
A	2	07 50219	BRKT GUIDE ROLLER MOUNT	
B	2	07 80150	7272 GUIDE ROLLER MOUNT	
A	3	07 50218	BRKT SMALL GUIDE ROLLER	
B	3	07 80100	72" GUIDE ROLLER BRKT	
all	4	15K092Z	HEXFLGSCR 3/8-16X1 GR5 ZINC	
all	5	15B107	HEXTAPBOLT 3/8-16UNC2X3+1/2 ZN	
all	6	15G198	HXFLGNUT 3/8-16 ZINC	
all	7	15K105	HXCAPSCR 3/8-16UNC2A1.25 GR5 P	
all	8	15U240	FLATWASHER(USS STD) 3/8" ZNC P	
all	9	27A685	FELT 1/2"THK X 1+1/4"W SAE F-7	
	10	60C502A	4" GUIDE ROLLER 1.50 BORE	PART OF 1A
	10	60C503A	5" GUIDE ROLLER 1.38 BORE	PART OF 1B
	11	07 50053	SHAFT=GUIDE ROLLER DRYER	PART OF 1A & 1B
	12	07 50054	BUSHING=GUIDE ROLLER DRYER	PART OF 1A & 1B
	13	54A075	BALBRG NTN#63205LLBC3/C5 1/BX	PART OF 1A & 1B
	14	17B017B	INTRETRING IND#3000X206-ST-ZD	PART OF 1A & 1B
	15	15G245	HXFINJAMNUT 3/4-10UNC2 SS18-8	PART OF 1A & 1B
	16	06 20070	LOCKING WASHER ROLLER SHAFT	PART OF 1A & 1B
All	17	W7 50129	COVER GUIDE ROLLER WELDED	

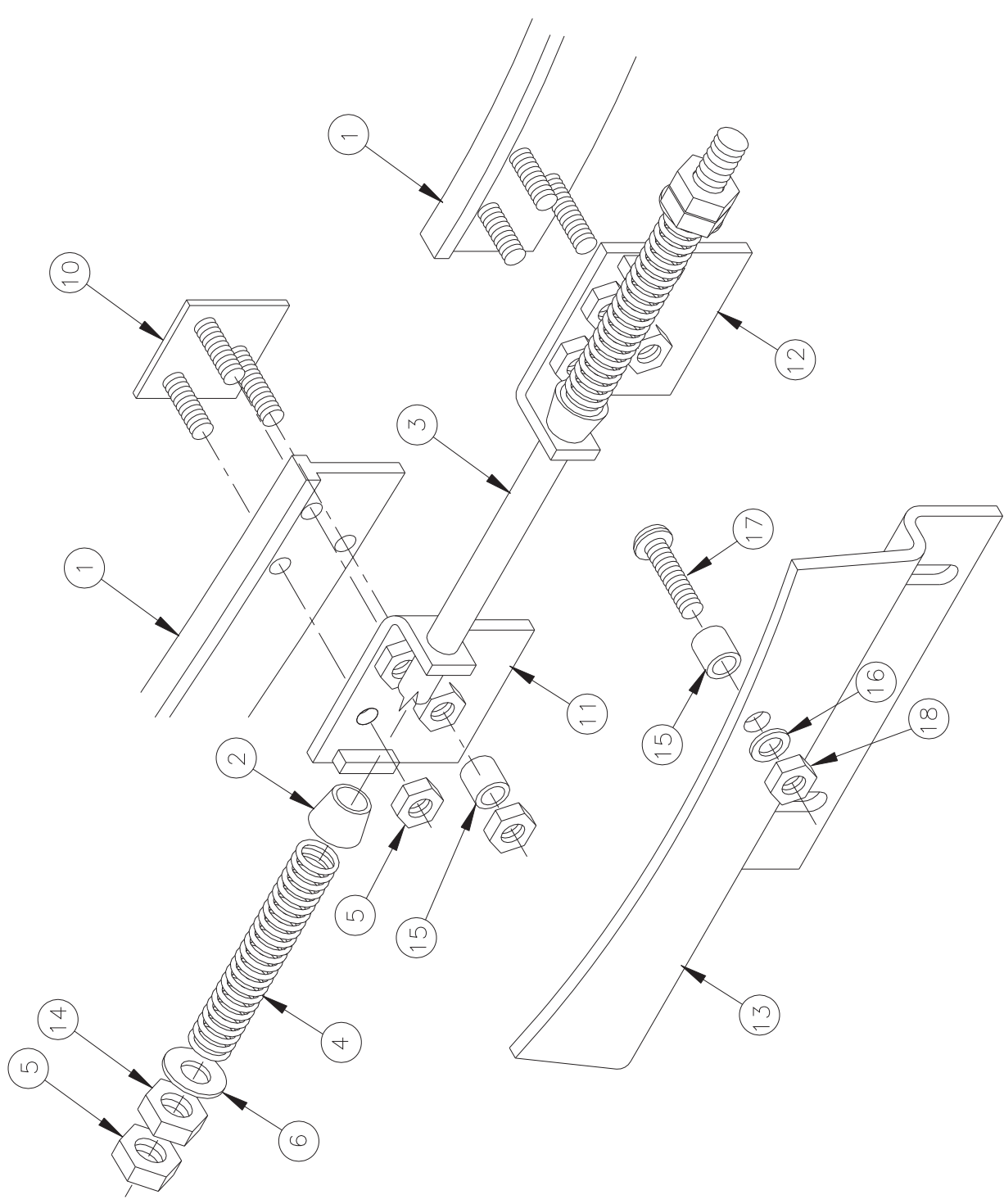
T-Seal Assembly
5040TG2L/R, TS2L/R 5050TG1L/R, TS1L/R

BMP100010/2012114B
 (Sheet 1 of 2)



Pellerin Milnor Corporation
 P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.





Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

Parts List—T-Seal Assembly

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			-----ASSEMBLIES-----	
	A	G74SH003	5040 T-SEAL INSTALL	
			-----COMPONENTS-----	
A	1	X7 41000	3BOLT T-SEAL NOTCH+DRIL 5040	
all	2	07 50469	YOKE=T-SEAL ROD ADJUSTMENT	
all	3	07 50471	ROD=SPRING TENSION T-SEAL	
all	4	07 50472	SPRING=DRYER T-SEAL TENSION	
all	5	15G164	HX THIN LOCKNUT NYL1/4-20 SS	
all	6	15U188	FLTWASH 1/4 STD COMM SS18-8	
all	10	07 50498	RIBPLATE=STUD HOLDER T-SEAL	
all	11	W7 50466A	*WLMT=SEAL/YOKE LF SIDE 3BOLT	
all	12	W7 50467A	*WLMT=SEAL/YOKE RT SIDE 3BOLT	
All	13	07 71509	6458 "T" SEAL RETAINER BKT	
all	14	15G170	HEXNUT 1/4-20UNC2 SS18-8	
all	15	54J004H	COLLAR=HEAT TREAT 45-55 RC	
all	16	15U200	FLATWASHER(USS STD) 5/16"ZNC P	
all	17	15N176A	TRUSSCR 1/4-20UNCX3/4 SS18-8	
all	18	15G166A	HXLONUT NYL1/4-20 UNC2A STL/Z	

HOW TO REPLACE THE T-SEAL

The T-Seal (used in Dryers and Conditioners) must be maintained in good working condition to maintain the proper direction of air flow and ensure drying efficiency. A drop in efficiency, particularly where outlet temperatures are prematurely achieved, is evidence of a leaking T-Seal. If this condition occurs, inspect the T-Seal tension bracket. If no tension exists, it is likely the T-Seal has broken and must be replaced. This procedure requires two people.

⚠ WARNING ⚠



CRUSHING AND ENTANGLEMENT HAZARD—Rotating machinery can entangle and crush body parts. Lock OFF and tag out power at the wall disconnect for the Dryer or Conditioner.

Removing the Old T-Seal

1. Remove the side access panels to gain access to the T-Seal and bracket. See FIGURE 1.
2. Release the tension on the bracket (if any tension exists) by loosening the hex nuts on the tension rod. See “T-SEAL ASSEMBLY . . .” in this section.
3. Disassemble the tension bracket from the T-Seal. See “T-SEAL ASSEMBLY . . .”
4. Thread a piece of strong, flexible wire through the holes in the end of the T-Seal, as shown in FIGURE 2, and remove the T-Seal from the J-ring by pulling the wire while another person hand turns the basket via the large cog belt pulley.

NOTE: Work the old T-Seal out gently while hand turning the basket to avoid breaking the T-Seal any more than it already is. **Never turn the basket under motor power.**

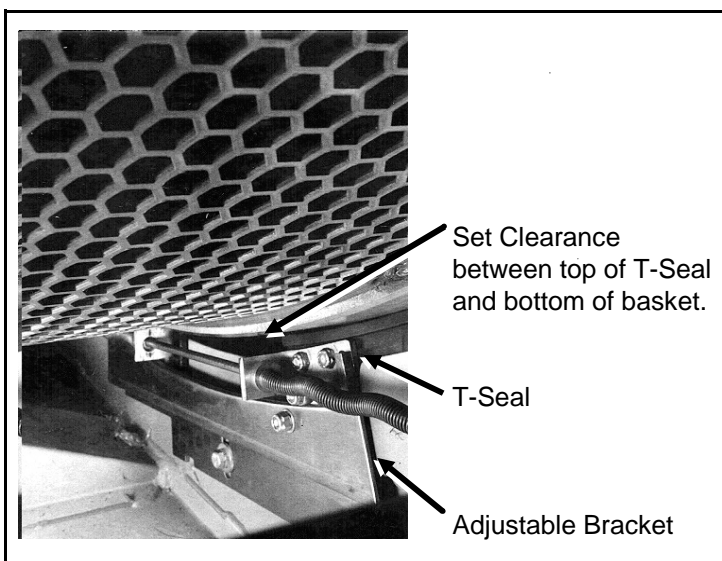


FIGURE 1 (MSSM0108AE)
T-Seal and Bracket in Place

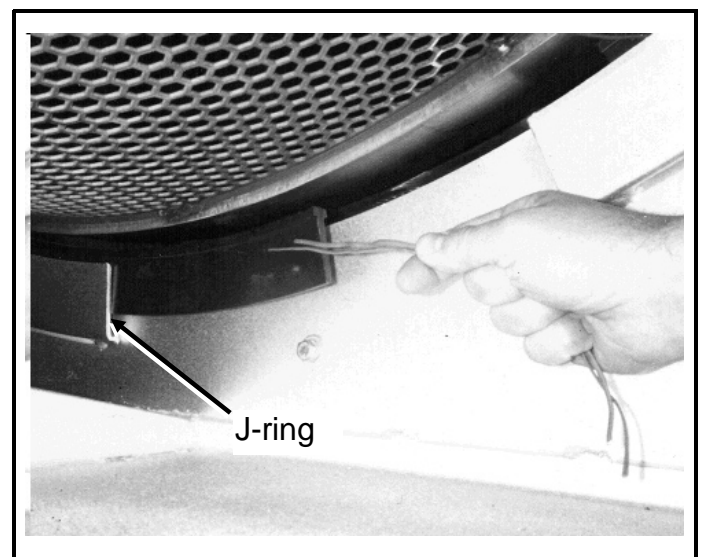


FIGURE 2 (MSSM0108AE)
Pulling Out Old T-Seal

Installing the New T-Seal

1. Check T-Seal mounting holes for fit and alignment. Studs should fit smoothly.
2. To minimize T-Seal stress and ease the threading process, place the new T-Seal atop the basket shroud. This will allow the new T-Seal to be fed easily down into the lower basket “J-ring” area.
3. Thread a piece of strong, flexible wire through two holes in the end of the T-Seal to be fed into the “J ring.” Feed this end of the T-Seal down the side of the basket. Feed the wire ends through holes in the perforated basket. Tie the wire ends together inside the basket, then start the T-Seal into the left J-ring.

NOTE: If the T-Seal becomes caught while installing, do not force the cog belt. Simply reverse the direction of the belt until the T-Seal is freed, then continue feeding the T-Seal through.

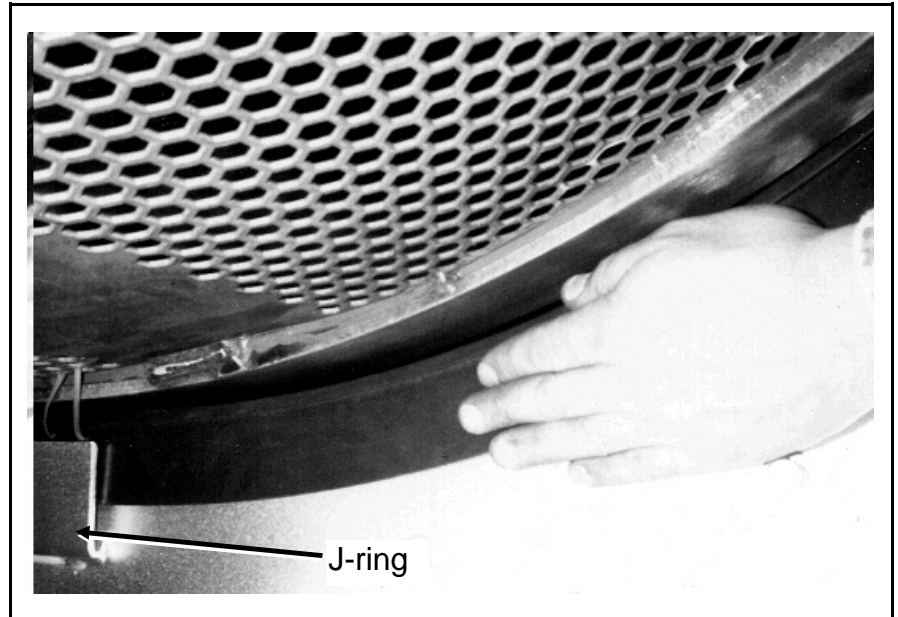


FIGURE 3 (MSSM0108AE)
Feeding New T-Seal into Retaining Channel

4. Referring to “T-SEAL ASSEMBLY . . .” reattach the left side stud and yoke assembly to the free end of the T-Seal. Also install the spring tension rod, the left side rod adjustment components, and hex nuts. Thread these hex nuts completely down the threaded portion of the spring tension rod.

NOTE: Step 4 could be done after the T-Seal has been completely fed through the J-ring channel, but it is easier to do while the end of the T-Seal is easily accessible.

5. With one person feeding the T-Seal into the J-ring and another person slowly hand turning the basket via the large cog belt, continue feeding the new T-Seal into the left J-ring as shown in FIGURE 3 until the entire T-Seal is fed through.
6. Remove the wire.
7. Install the remaining right side stud and yoke, then finish installing the right side tension rod components. Thread the right side hex nuts completely down the threaded portion of the spring tension rod.
8. Finish by installing the T-Seal retaining bracket, adjust the bracket for 1/8" - 3/16" (.31-.47 cm) clearance between the top edge of T-seal and the bottom of basket. See “T-SEAL ASSEMBLY . . .”

To verify that the T-Seal is properly installed, re-establish dryer or conditioner power and operate manually (as explained in the programming, operating and troubleshooting manual) to turn the cylinder clockwise and counterclockwise. Observe the T-Seal to be sure tension is maintained as the cylinder rotates. If any adjustments are required, **lock OFF and tag out power before proceeding.**

Drive & Support Roller Installation

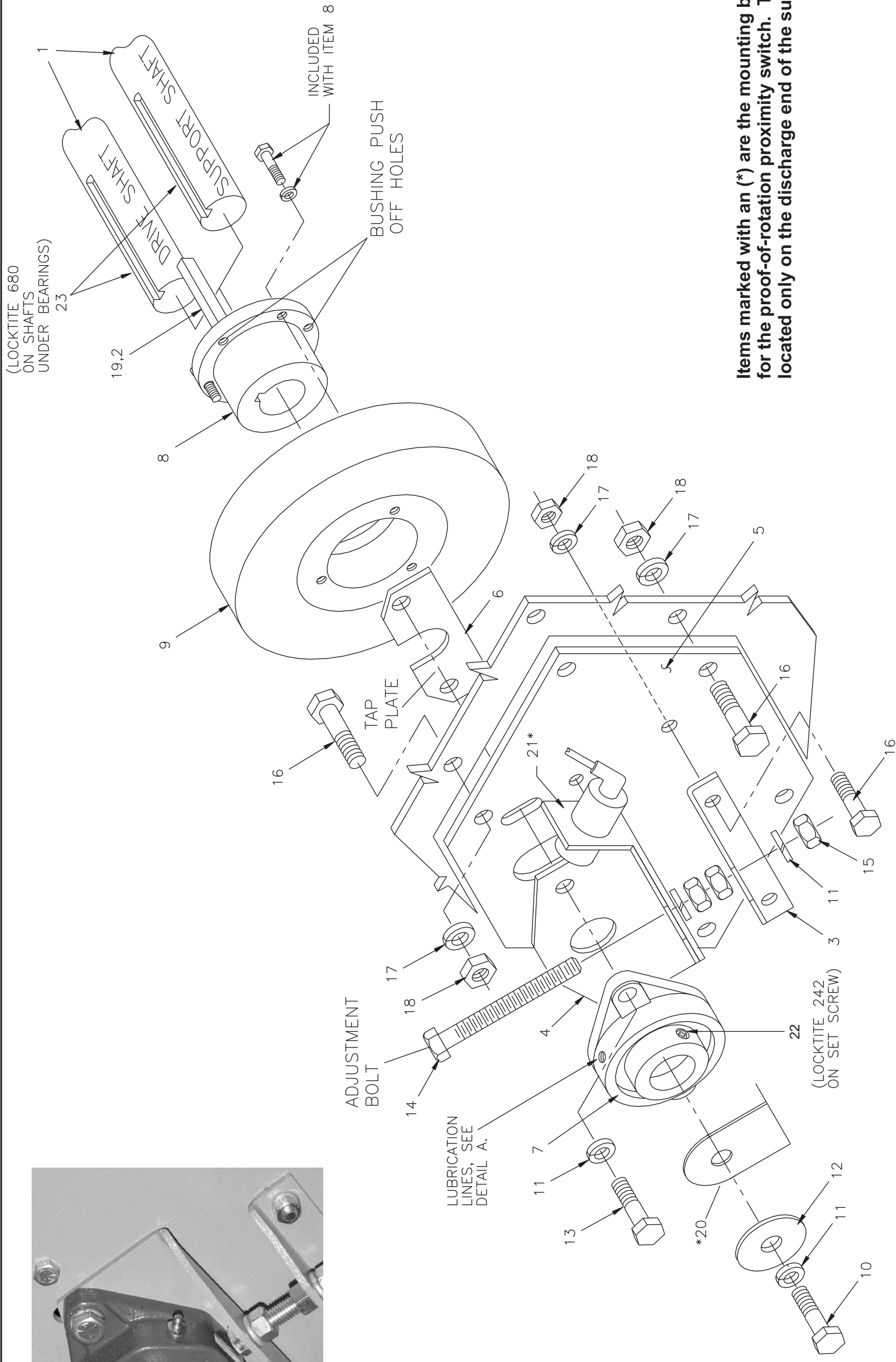
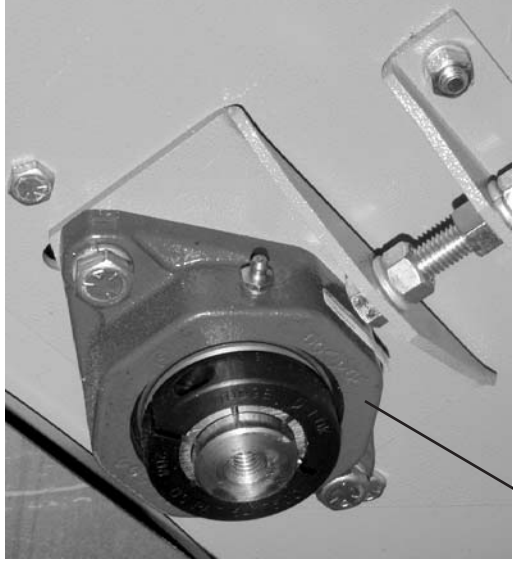
5040TG2L/R, TS2L/R 5050TG1L/R, TS1L/R

BMP100008/2012114B
(Sheet 1 of 4)



Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.



Items marked with an (*) are the mounting bracket and target for the proof-of-rotation proximity switch. These parts are located only on the discharge end of the support roller.

Drive & Support Roller Installation

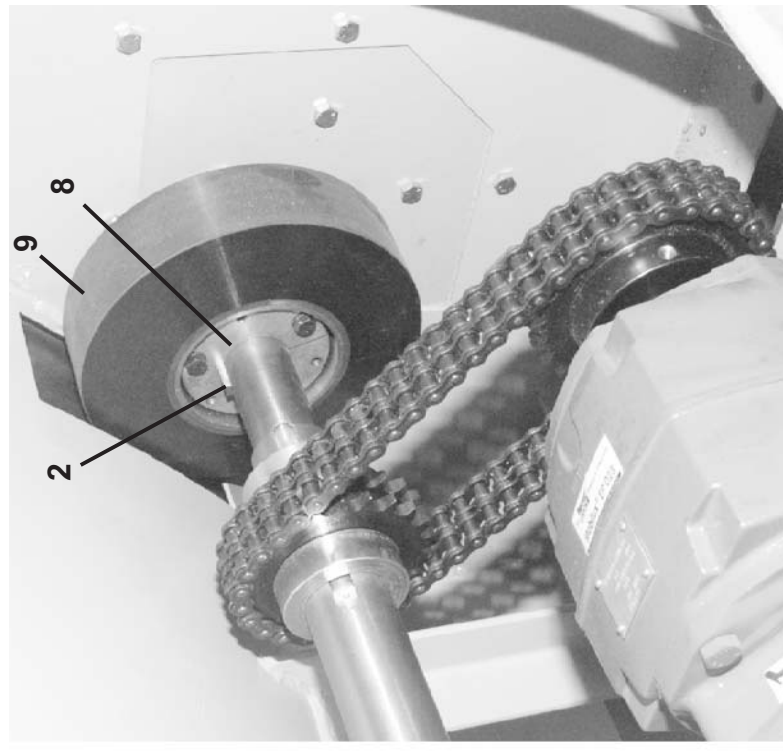
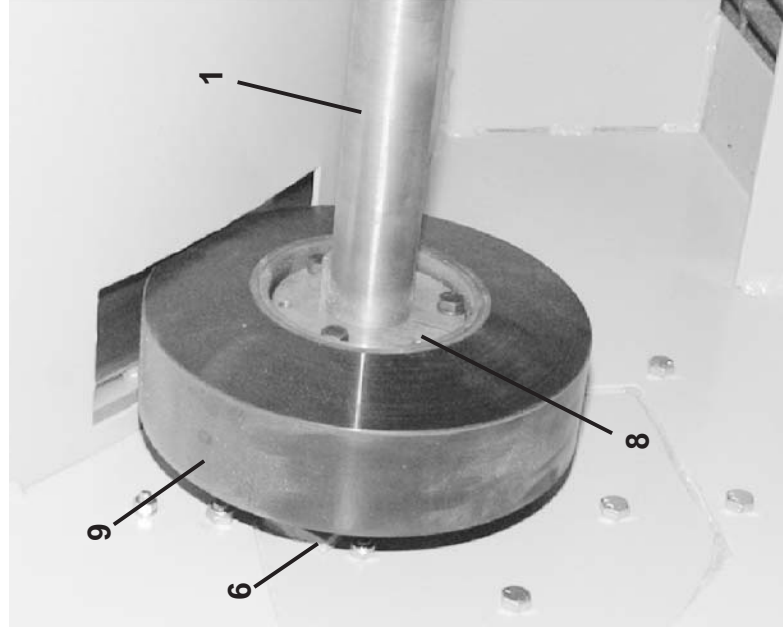
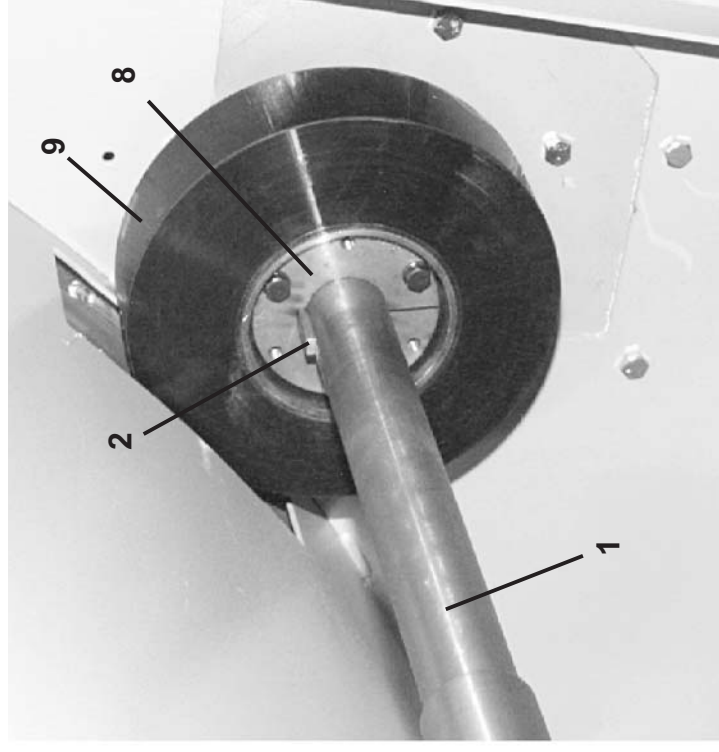
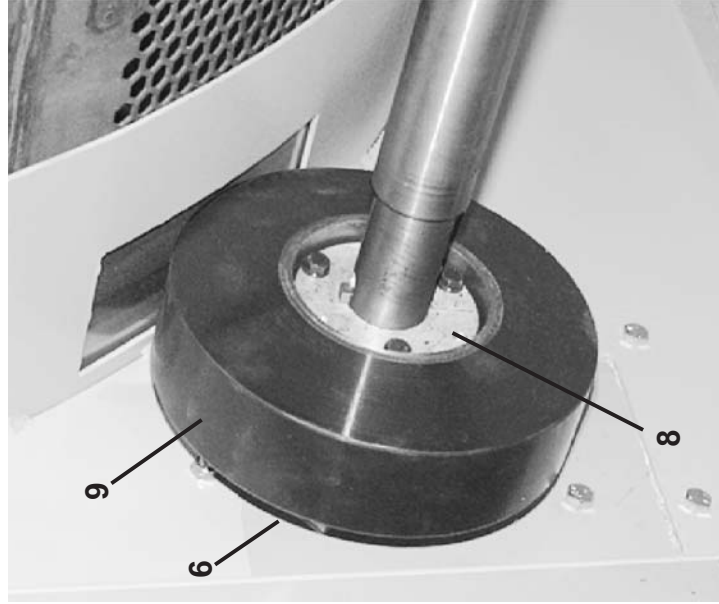
5040TG2L/R, TS2L/R 5050TG1L/R, TS1L/R

BMP100008/2012114B
(Sheet 2 of 4)

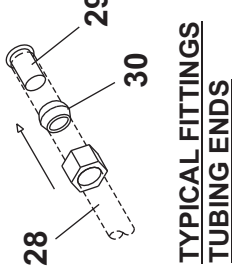
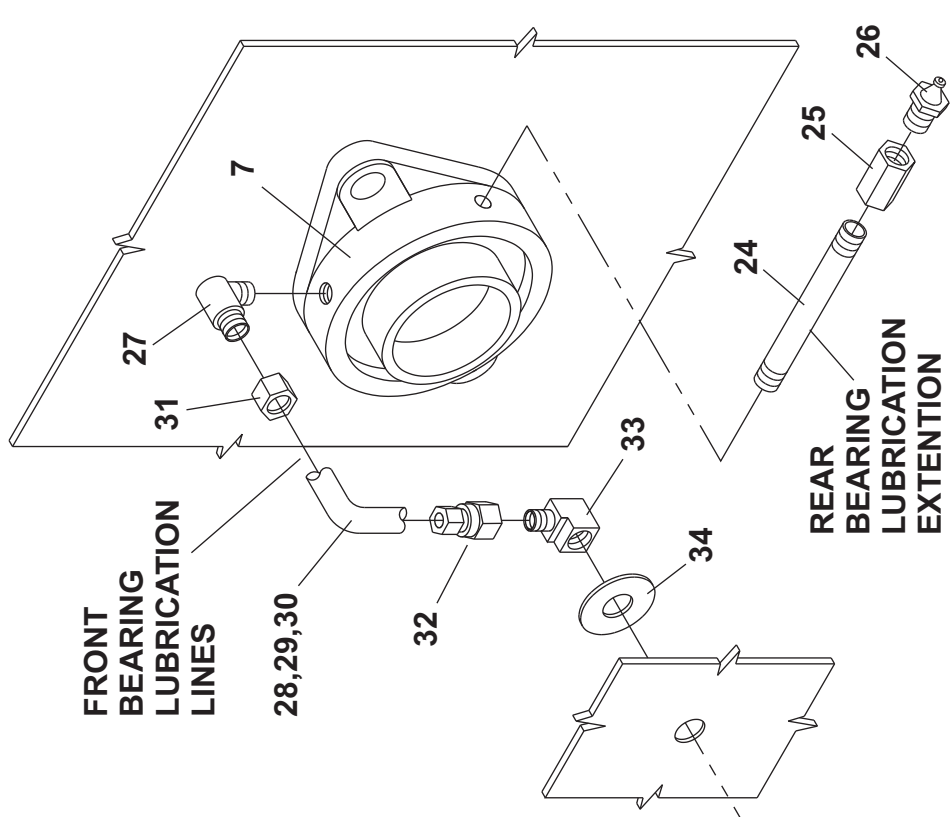


Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

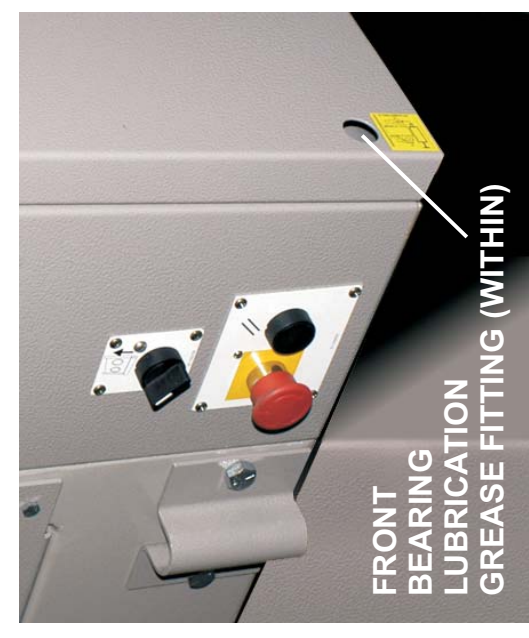
Litho in U.S.A.



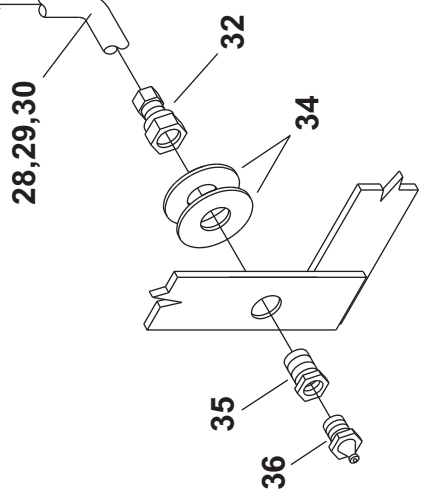
FRONT BEARING LUBRICATION LINES



TYPICAL FITTINGS TUBING ENDS



FRONT BEARING LUBRICATION GREASE FITTING (WITHIN)



DETAIL A: LUBRICATION LINES

Drive & Support Roller Installation
5040TG2L/R,TS2L/R 5050TG1L/R,TS1L/R

BMP100008/2012114B
 (Sheet 3 of 4)

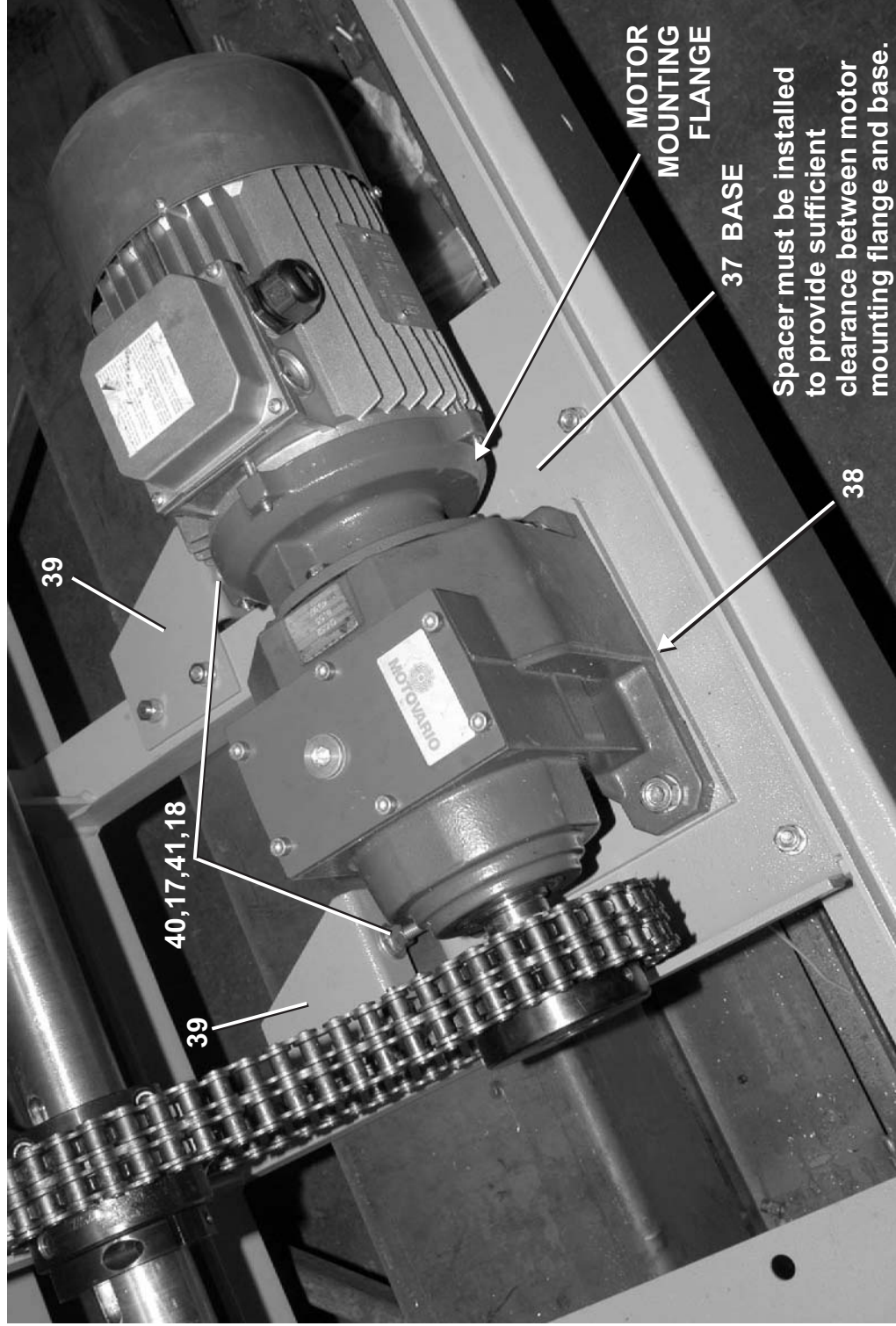


Pellerin Milnor Corporation
 P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.



Use the Sprocket Alignment Gage (item 42), shipped with the machine, to align the drive and driven sprockets.



MOTOR
 MOUNTING
 FLANGE

37 BASE

Spacer must be installed to provide sufficient clearance between motor mounting flange and base.

38

The 6458 Dryer is shown. The 5040 Dryer is similar; see parts list.



Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

Parts List—Drive & Support Roller Installation
Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			-----ASSEMBLIES-----	
	A	G74DB002	*5040TG2 DRIVE INSTALLATION	5040TG2L, TS2L
	B	G74DB002A	5040TG2 DRIVE INST RIGHT	5040TG2R, TS2R
	C	G74DB003	5050TG1 DRIVE INSTAL LF	5050TG1L, TS1L
	D	G74DB003A	5050TG1 DRIVE INSTAL RT	5050TG1R, TS1R
	E	A74DB004	5040TG2 CYLINDER DRIVE ASSY LF	A,B
	F	A74DB005	5050TG1 CYLINDER DRIVE ASSY	C,D
			-----COMPONENTS-----	
E	1	X7 44050	5040TG2 DRIVE SHAFT	5040
F	1	X7 44050A	5050TG2 DRIVE SHAFT	5050
all	2	07 50031A	DRYER SHAFT KEY=WHEEL	
all	3	07 50127	BRKT=BEARING AJUST	
all	4	07 50128	BRKT=BEARING MOUNTING	
all	5	07 71280	6458 SUPP/DRIVE BEAR MTG PLT	
all	6	07 70049A	BEAR ADJUST TAP PLATE	
all	7	56F1H2CSWC	FLG BRG=1.438 B.D.+COLLAR	
all	8	56Q1NSK	1+11/16" BUSH VPUL QD TYPE SK	
all	9	60C509UT	WHEEL SINGLE 9"OD URETHANE	
all	10	15K147	HXCAPSCR 1/2-13UNC2X1 GR5 ZINC	
all	11	15U300	LOKWASHER REGULAR 1/2 ZINC PLT	
all	12	15U286	FLATWASHER 2"ODX17/32"IDX1/4"	
all	13	15K162	HXCAPSCR 1/2-13UNC2AX1.5 GR5 P	
all	14	15D119	HXTAPSCR 1/2-13X4 GR5 ZNC FTL	
all	15	15G230	HXNUT 1/2-13UNC2B SAE ZINC GR2	
all	16	15K095	HXCPCSCR 3/8-16UNC2AX1 GR5 ZINC	
all	17	15U255	LOCKWASHER MEDIUM 3/8 ZINCPL	
all	18	15G205	HXNUT 3/8-16UNC2B ZINC GR2	
all	19	15N082	FILMACSCR 8-32UNC2X3/8SS18-8	
all	20	03 BL1X1A	TARGET FOR PHOTOEYE 6458 DRYER	
all	21	03 BL1X1B	PHOTOEYE BRACKET 6458 DRYER	
all	22	20C008C	THDLKSEAL LCT24241 RMUBL250CC	
all	23	20C012DA	RETAINCMPD ADH LCT#68060 250ML	
all	24	5N0C03AG42	NPT NIP 1/8X3 TBE GALSTL SK40	

Used In	Item	Part Number	Description	Comments
all	25	5SCC0CBE	NPT COUP 1/8 BRASS 125# 103A-A	
all	26	54M015	GREASEFIT 60X36/60X44 1610BL	
all	27	53A031B	BODY-EL90MALE.25X1/8 #269C-42B	
all	28	60E004TC	TUBING NYL(NAT)1/4"ODX.17ID	
all	29	53A501	TUBE INSERT .163"OD #63PT-4-40	
all	30	53A500	SLEEVE DELRIN 1/4"OD#60PT-4	
all	31	53A059A	NUT 1/4"BR.HOLYOKE AND #61A-4	
all	32	53A007B	BODYFEMCON.25X.25COMP#B66A-4B	
all	33	5SLOEBEC	NPTELB 90DEG STRT 1/4 BRASS125	
all	34	15U280	FL+WASHER(USS STD)1/2 ZNC PL+D	
all	35	5SB0E0CBEO	NPTHEXBUSH 1/4X1/8 BRASS 125#	
all	36	54M005	GRSFITADPSTR#5405-01-02 1/4-28	
all	37	07 44051	5040 GEAR MTR SUPP PLATE	
all	38	07 44052	5040 GEAR REDUCER SPACER	
all	39	07 71166	6458 MOTOR MNT ADJ BOLT BKT)	
all	40	15K142	HXCAPSCR 3/8-16X6 GR8ZC	
all	41	15U240	FLATWASHER(USS STD) 3/8" ZNC P	
all	42	07 71752	SPROCKET ALIGNMENT GAGE-6458	

Door Assemblies

5

Load Door Installation
5040TG2L/R, TS2L/R 5050TG1L/R, TS1L/R

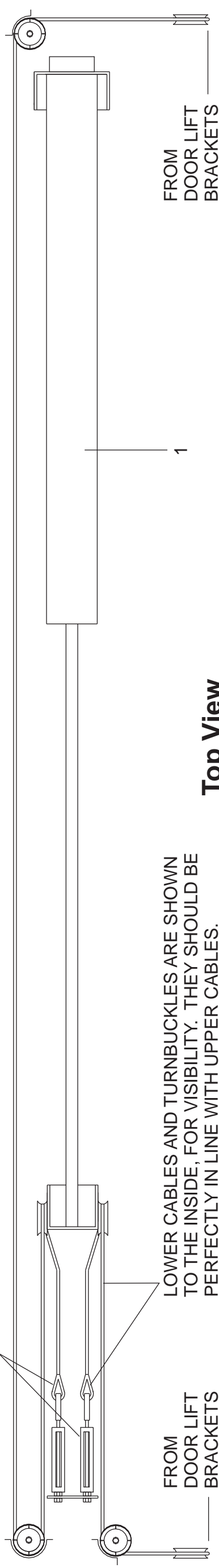
BMP100018/2012114B
 (Sheet 1 of 3)



Pellerin Milnor Corporation
 P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

15,16,17,18,19



LOWER CABLES AND TURNBUCKLES ARE SHOWN TO THE INSIDE, FOR VISIBILITY. THEY SHOULD BE PERFECTLY IN LINE WITH UPPER CABLES.

Top View



Load Door Installation

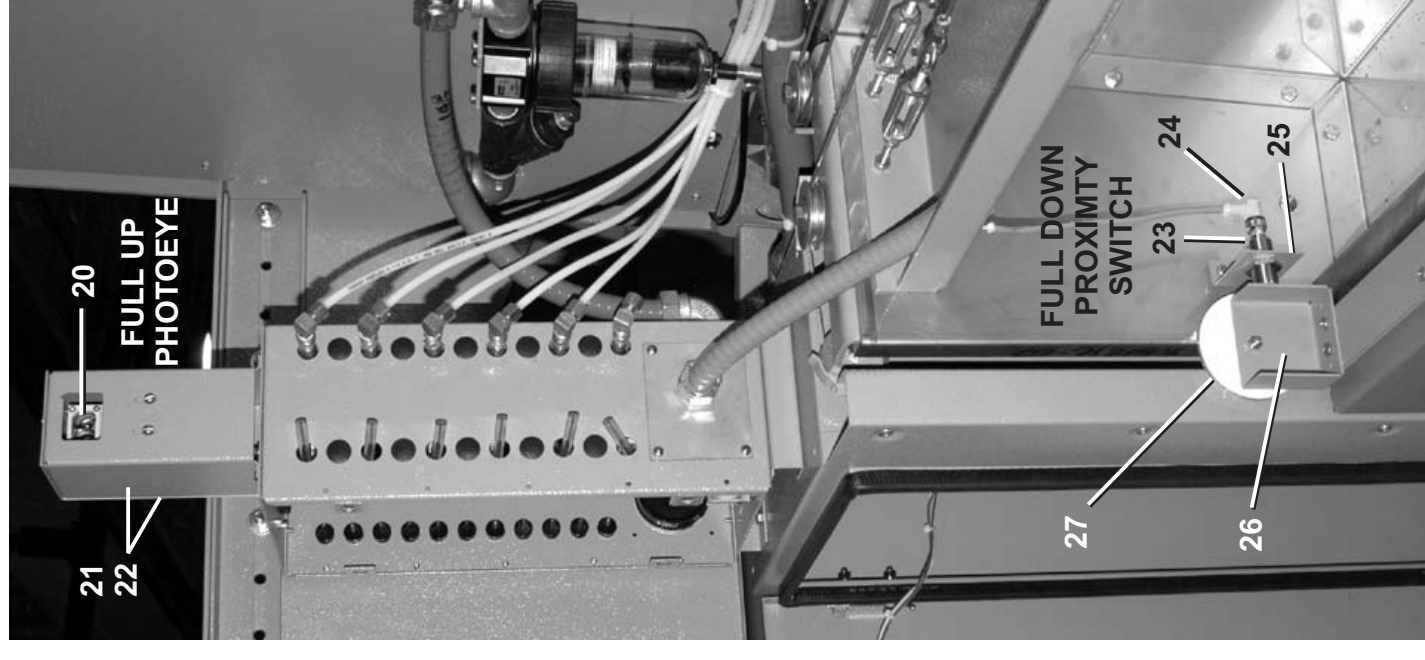
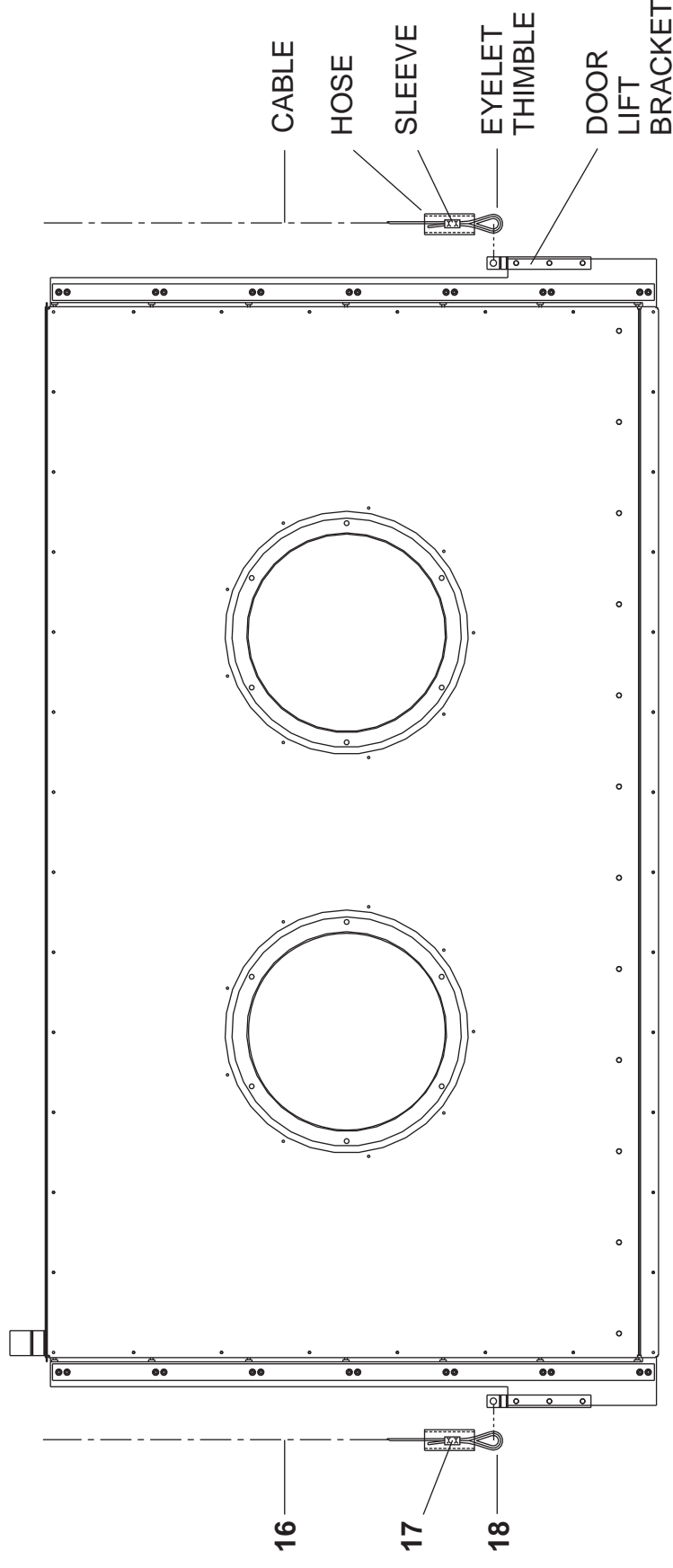
5040TG2L/R, TS2L/R 5050TG1L/R, TS1L/R

BMP100018/2012114B
(Sheet 2 of 3)



Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.



The 6458TG2R is shown, the 5040TG2LR/-T2SLR parts are similar. See parts list.

Removing Load Door:

Cut the cables to the load door, unthread the pulleys and lift the door up and out of the door channel.

To save the cables, another method is to disconnect the turnbuckles, unbolt and remove all seven (7) pulleys, lift the door up and out of the door channel.

Reinstalling Load Door:

Feed new cable through eyelet thimbles and sleeves and crimp. Slide the pieces of 1" braided hose down the cable and over the thimbles. Lower the door into the door channel, keeping tension on the cables. Thread the cables up through the pulleys as shown in Top View. When attaching cables to turnbuckles or adjusting turnbuckles, make sure the door is fully closed and the cylinder is fully extended.

If the pulleys were removed, reinstall pulleys as shown in Top View. Adjust cable tension with turnbuckles.



Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

Used In	Item	Part Number	Description	Comments
			ASSEMBLIES-----	
A		A74SD016	5040 DOOR DRIVE ASSEMBLY	5040TG2L,TS2L/R 5050TG1L/R, TS1L/R
B		A74SD012	5040 LD DOOR CABLE SHORT	
C		A74SD013	5040 LD DOOR CABLE LONG	
			COMPONENTS-----	
all	1	27C220	AIR CYL 2"BORE X 15"STROKE	
all	2	96M055	DELTRON QUICK EXHAUST VLV.1/4"	
all	3	96H018	ANGLE NEEDLE VLV 1/4" X 1/8MP	
all	4	07 44172	5040 LD CYLINDER BRKT	
all	5	07 44178	5040 DOOR CYL BRKT RT	
all	6	07 44183	5040 LD CYL BRKT FRONT	
all	7	07 44179	5040 LD AIR CYL PULL MT BRKT	
all	8	07 44180	5040 WIRE MT BRKT	
all	9	07 40937	UHMW PULLEY GUIDE AIRCYL	
all	10	W7 71197	6458 90 DEG PULLEY GRD WELD	
all	11	W7 71199	6458 180 DEG PULLEY GRD WELD	
all	12	27A965	PULLEY ZINC PLATE #CPS6150	
all	13	07 44185	AIR CYLINDER MOUNT SPACER	
all	14	15G264A	HEXJAMNUT 1+1/4-12UNF 2B ZINC	
all	15	17A051	EYEBOLT 1/4-20X2"LONG ZINC	
all	16	27A964B	CABLE 3/32" 3095GN4 GALVANIZED	
all	17	27A963B	LOOP SLEEVE 3/32" 7092A	
all	18	27A962B	THIMBLE SS 3/32 AN100-4	
all	19	17A074	TURNBCKLE 1/4X4 EYE+EYE ZINC	
all	20	09RPE011	PHOTOEYE VALU-BEAM 10-30DC	
all	21	03 E3X6A	ENCL:PHOTOEYE MOUNTING BOX	
all	22	03 E3X6B	PHOTOEYE COVER	
all	23	09RPS30ADS	PROX SW QK CONN 30M NO-DC SHLD	
all	24	09RPSDC095	CON:90DEG FEMALE DC 3A300V 5M	
all	25	07 40959	LOAD DOOR PROXIMITY SWT BRKT	

Parts List, cont.—Load Door Installation				
Used In	Item	Part Number	Description	Comments
all	26	07 44188	BRKT=LOAD DR PHOTO/PROX	
all	27	09RPE001A	REFLECTOR 3"DIA CLEAR	
all	28	15K041	HXCAPSCR 1/4-20UNC2AX1 GR 5 ZI	
all	29	15G164	HX THIN LOCKNUT NYL1/4-20 SS	
all	30	15K095	HXCPCSCR 3/8-16UNC2AX1 GR5 ZINC	
all	31	15U240	FLATWASHER(USS STD) 3/8" ZNC P	
all	32	15U255	LOCKWASHER MEDIUM 3/8 ZINCPL	
all	33	15G205	HXNUT 3/8-16UNC2B ZINC GR2	

Load Door

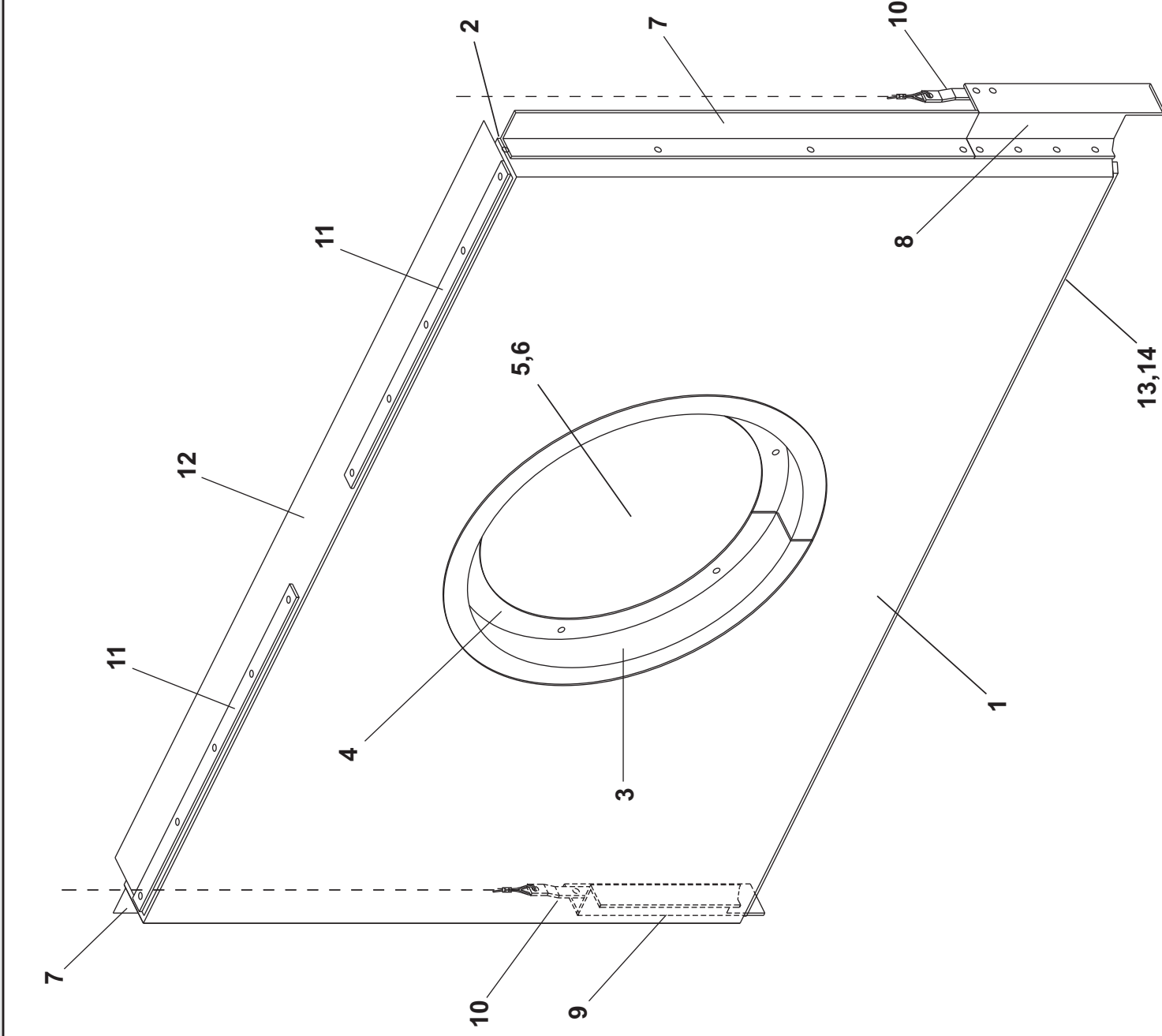
5040TG2L/R,TS2L/R 5050TG1L/R,TS1L/R



Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

BMP100019/2012114B
(Sheet 1 of 1)

Litho in U.S.A.



Parts List—Load Door

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
	A	A74SD015	ASSEMBLIES ASSY=50040DRY LD VERTICAL	
			COMPONENTS	
all	1	07 40914	LOAD DOOR MAIN - OUTSIDE (COLOR=PHANTOM GRAY)	
all	2	07 40916	LOAD DOOR MAIN - S/S INSIDE	
all	3	W7 40915	*WLMT = SIGHT GLASS RING	
all	4	07 50057	RING=SIGHGLASS LOAD DOOR	
all	5	02 02366A	GASKET DOORGLASS = DRYER	
all	6	02 09215	DRGLASS 12 3/8DIA SS STAMPED	
all	7	07 40917	LOAD DOOR SEAL-TALL	
all	8	07 44182A	5040 LD SEAL RIGHT (COLOR=WARM GRAY)	
all	9	07 44182	5040 LD SEAL LEFT (COLOR=WARM GRAY)	
all	10	07 44184	5040 DOOR WIRE BRKT (COLOR=WARM GRAY)	
all	11	07 50012	LOAD DOOR SEAL STRAP	
all	12	07 50013A	RUBBER LOAD DOOR SEAL WIDE	
all	13	27A680	FELT 1/4"THK X 1"W SAE F-6	
all	14	20C044	RUB/GASKET ADH 3M#EC1300 PINTS	

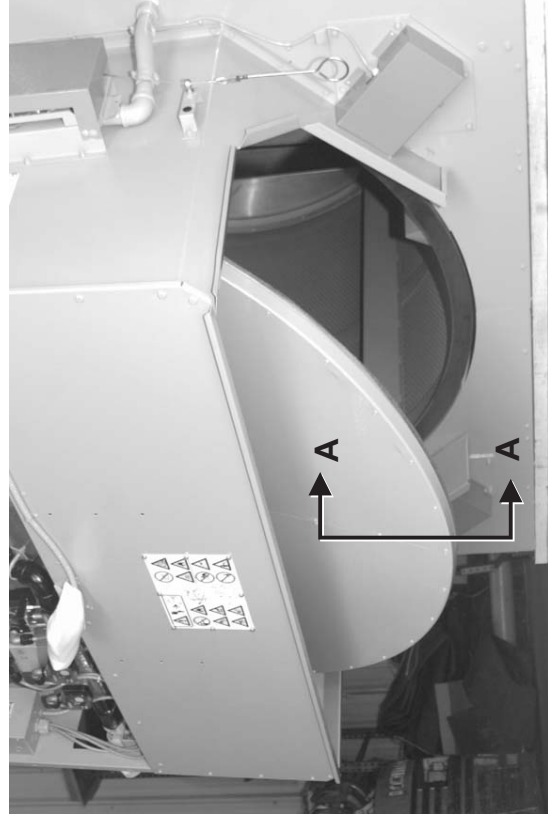
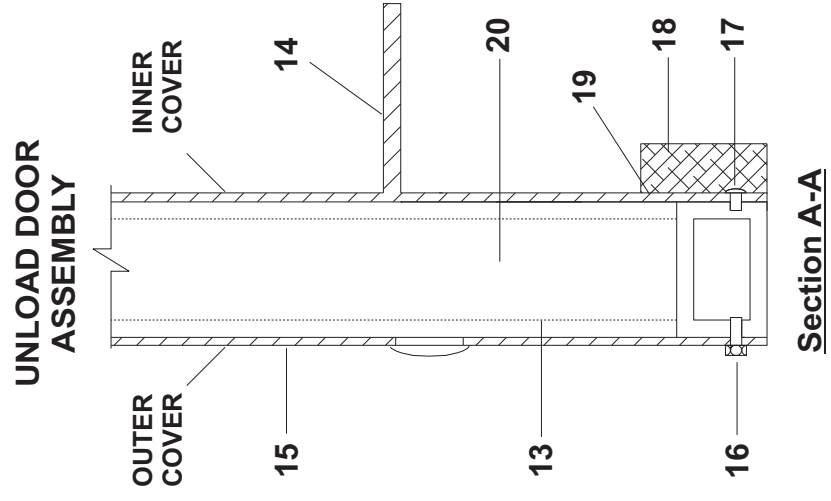
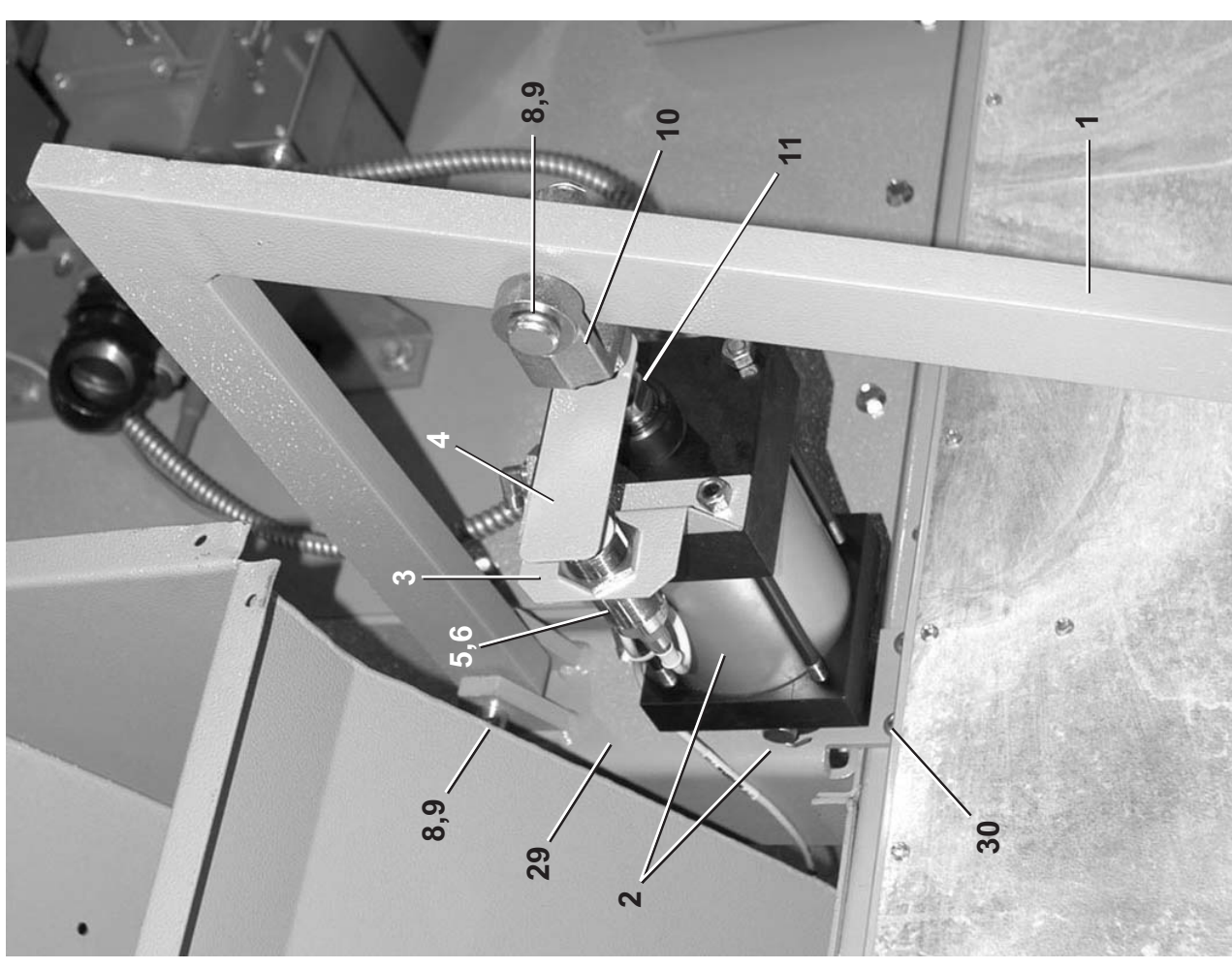
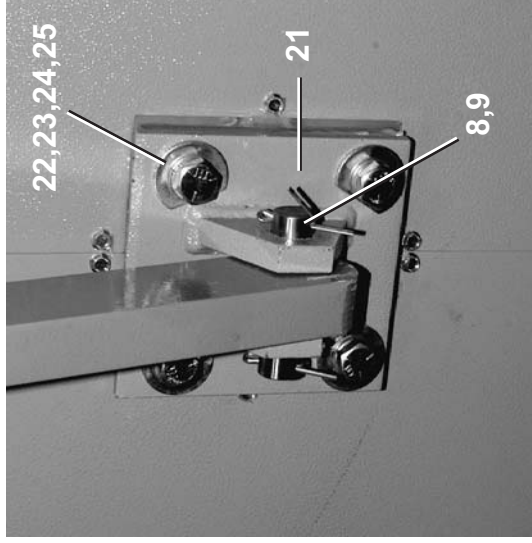
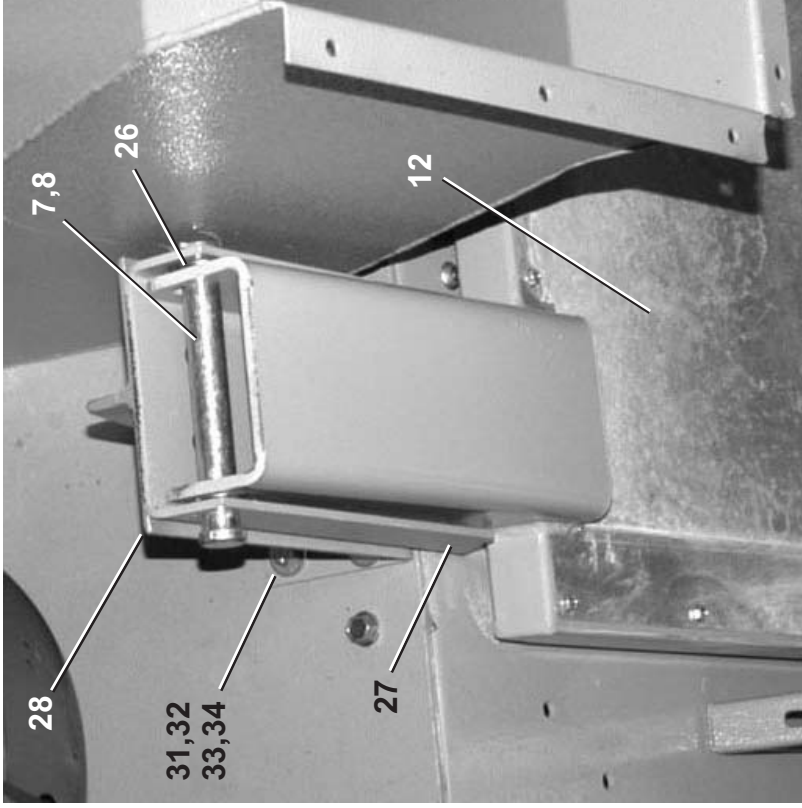
Unload Door
5040TG2L/R,TS2L/R 5050TG1L/R,TS1L/R



Pellerin Milnor Corporation
 P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

BMP100005/2012114B
 (Sheet 1 of 2)





Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

Parts List—Unload Door
Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			-----ASSEMBLIES-----	
A		G74SD014	5040TG2 UNLOAD DOOR WIDE INST	DOOR INSTALLATION
B		A74SD014	5040 UNLD DR ASSY REAR DISCHRG	DOOR ASSEMBLY
			-----COMPONENTS-----	
all	1	W7 40712	*UNLOAD DOOR LINK-ARM WLD5040	
all	2	27C650	AIR CYL 4"X3.5"X1" CLEVIS MNT.	
all	3	07 71132	6458 UNLOAD DOOR PROX BKT	
all	4	07 71133	6458 UNLOAD DOOR PROX TARGET	
all	5	09RPS30CAS	PROXSW QK CONN 30M NO-AC SHLD	
all	6	09RPTAC005	CONN.ST.FEM 3-PIN AC 3A 5M	
all	7	17A044A	CLEVIS PIN 3/4X5+21/32 ZN SPEC	
all	8	15H051	STDCOTTERPIN 1/8X1+1/2ZINCPL	
all	9	17A045A	CLEVIS PIN HARD CHROME3/4X3.09	
all	10	17A049B	CLEVIS ROD END 3/4-16#RC-0750	
all	11	15G239S	HEXJAMNUT 3/4-16UNF2 SS18-8	
all	13	W7 44004	5040 UNLD DR FRAME WELD WIDE	
all	14	W7 44000	5040 UNLD DR INNER SKIN WELD	
all	15	07 44009	5040 INSUL COVER UNLD DR WIDE	
all	16	15P059	SCRHXSELFDR:10-16X1/2 #2 ZINC	
all	17	15P053	8-18X3/4 PPHTKSSW/MICROSPHERE	
all	18	27A682	FELT 3/8"THK X 1"W SAE F-6	
all	19	20C044	RUB/GASKET ADH 3M#EC1300 PINTS	
all	20	98P030	INSUL.FIBRGLS.24X48X1+1/2E=1SH	
all	21	W7 50047A	*LINKAGE ARM BASE BRKT WLMT	
all	22	15G230	HXNUT 1/2-13UNC2B SAE ZINC GR2	
all	23	15K173A	HXCAPSCR 1/2-13UNC2AX1.75 GR5	
all	24	15U300	LOKWASHER REGULAR 1/2 ZINC PLT	
all	25	15U280C	FLATWASH(US STD)1/2"CLIP+ZNC	
all	26	15U320P	FLATWASHER(USS STD) 3/4" ZNC P	
all	27	07 44041	5040 UNLOAD DOOR HINGE	

Parts List, cont.—Document Name

Used In	Item	Part Number	Description	Comments
all	28	W7 44098	5040 REAR EXHAUST UNLD WELD	
all	29	W7 44040	WLMT=5040 GAS UNLOAD DR CYL	
all	30	15K084	TRUSS HXSOK 3/8-16 X 23/32SS	
all	31	15K105	HXCAPSCR 3/8-16UNC2A1.25 GR5 P	
all	32	15U240	FLATWASHER(USS STD) 3/8" ZNC P	
all	33	15U255	LOKWASHER MEDIUM 3/8 ZINCPL	
all	34	15G205	HXNUT 3/8-16UNC2B ZINC GR2	

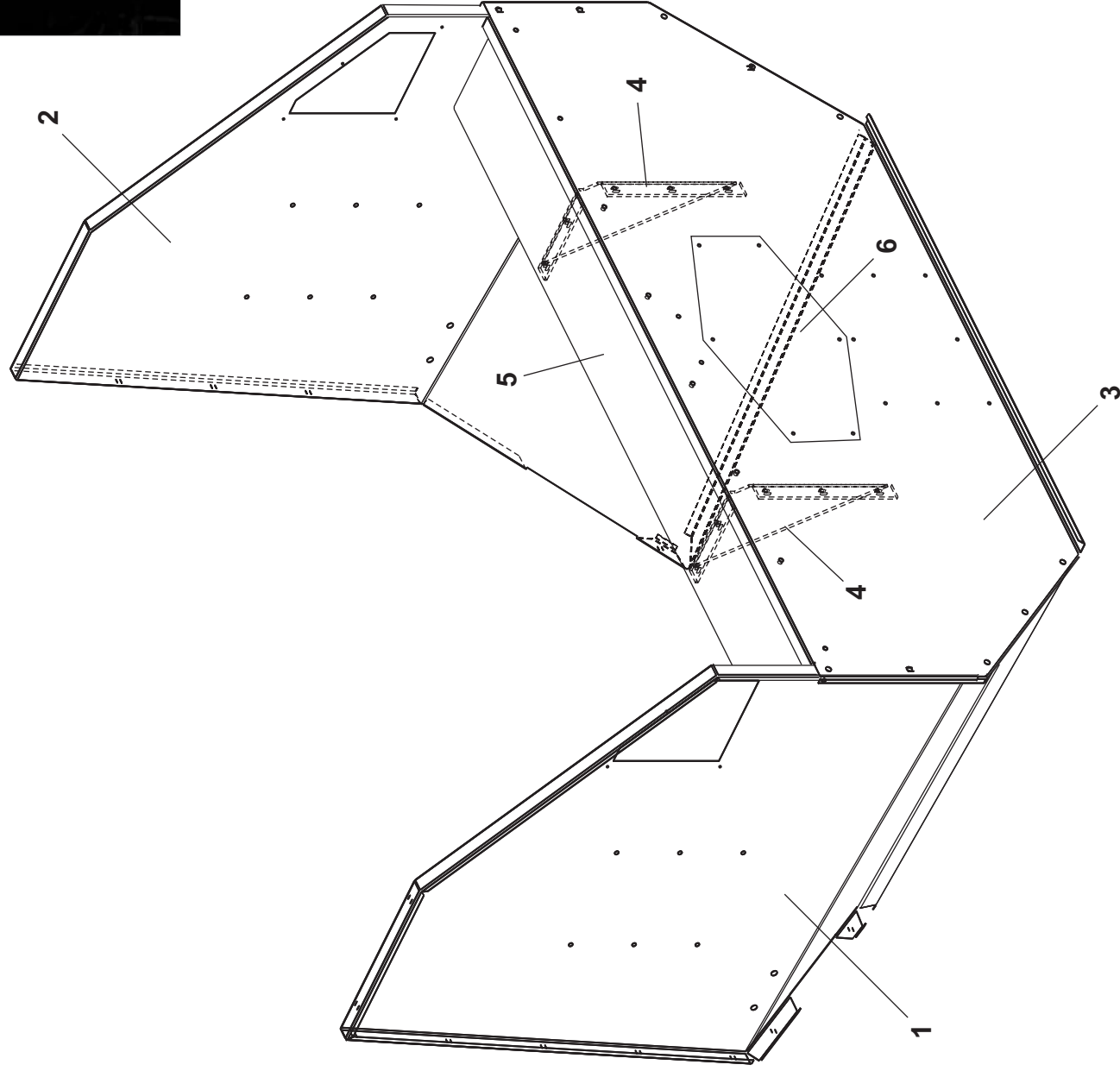
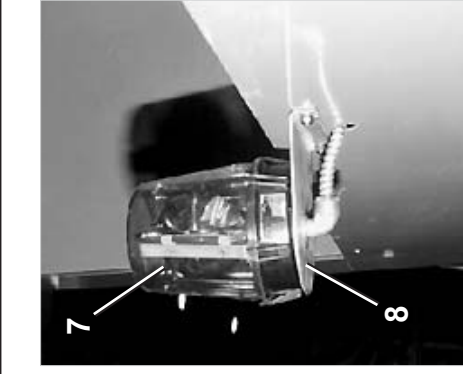
Unload Shroud
5040TG2L/R,TS2L/R 5050TG1L/R,TS1L/R



Pellerin Milnor Corporation
 P. O. Box 400, Kenner, LA 70063-0400

BMP100016/2012114B
 (Sheet 1 of 1)

Litho in U.S.A.



Parts List—Unload Shroud
 Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
	A	G74GS002	5040 UNLOAD SHROUD	
			ASSEMBLIES	
			COMPONENTS	
all	1	07 41230	5040 UNLOAD SHROUD RIGHT	
all	2	07 41230A	5040 UNLOAD SHROUD LEFT	
all	3	07 41231	5040 UNLOAD SHROUD BACK PLT	
all	4	07 71156	6458 PIPE SUPP GUSSET BKT	
all	5	07 41232	5040 GAS PIPE SUPPORT PLT	
all	6	01 10034A	NAMEPLATE,LARGE "MILNOR" LOGO	
All	7	09H025V37	BEACON ROTARY 5.5"DIA AMBER	
All	8	03 BL1X6Y	BRKT:MIC6 DRY FLASH DIS LITE	

Air Flow Assemblies

6

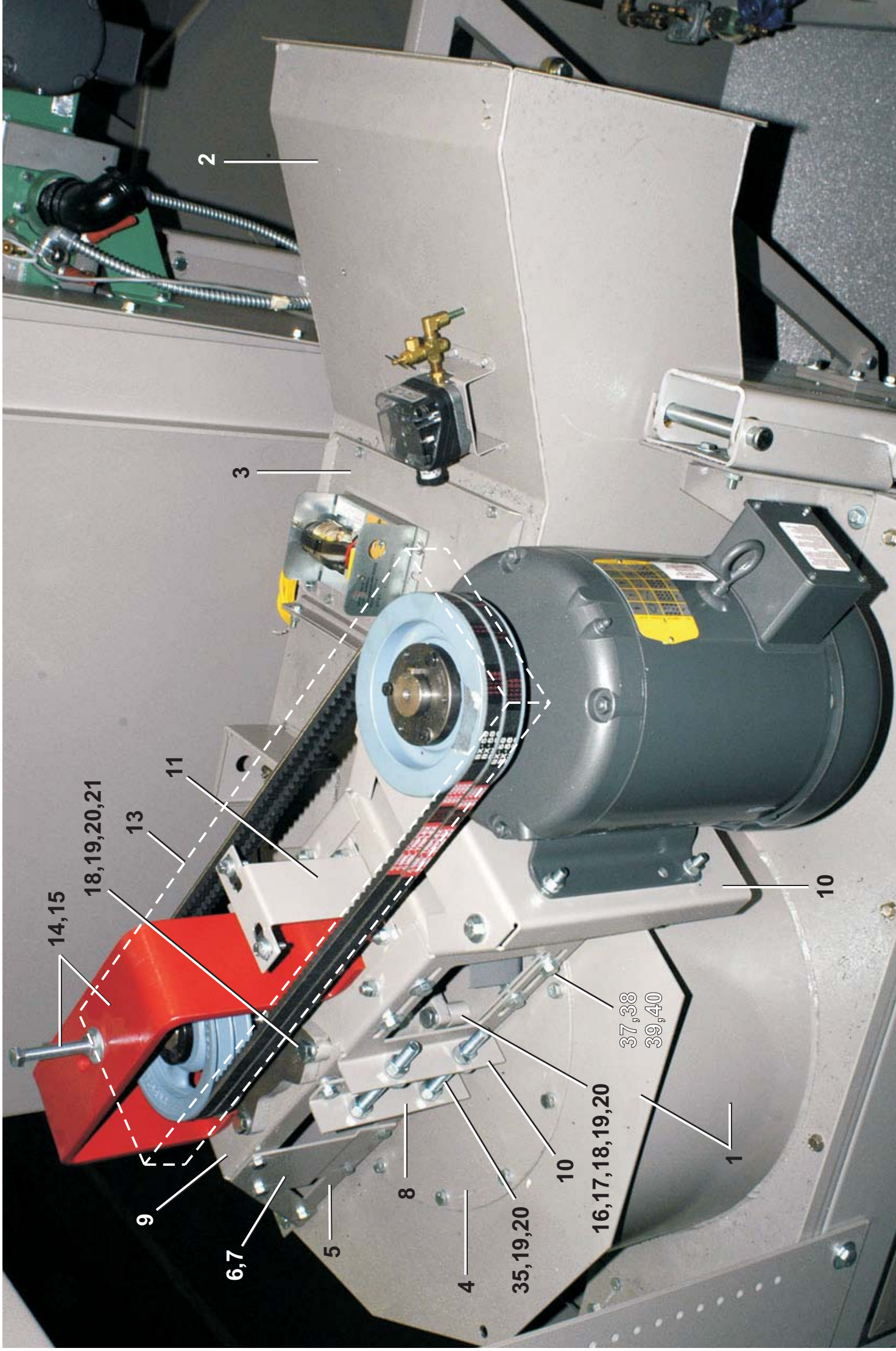
Blower Installation & Exhaust Duct to Rear
5040TG2L/R,TS2L/R 5050TG1L/R,TS1L/R

BMP100012/2012114B
 (Sheet 1 of 4)



Pellerin Milnor Corporation
 P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.



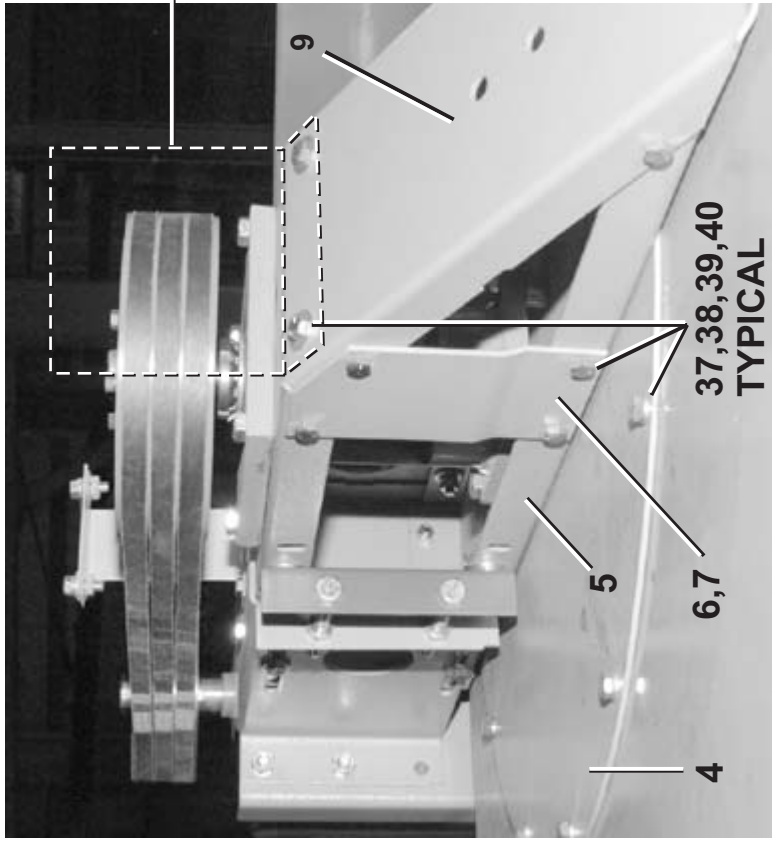
Blower Installation & Exhaust Duct to Rear
5040TG2L/R, TS2L/R 5050TG1L/R, TS1L/R

BMP100012/2012114B
 (Sheet 2 of 4)



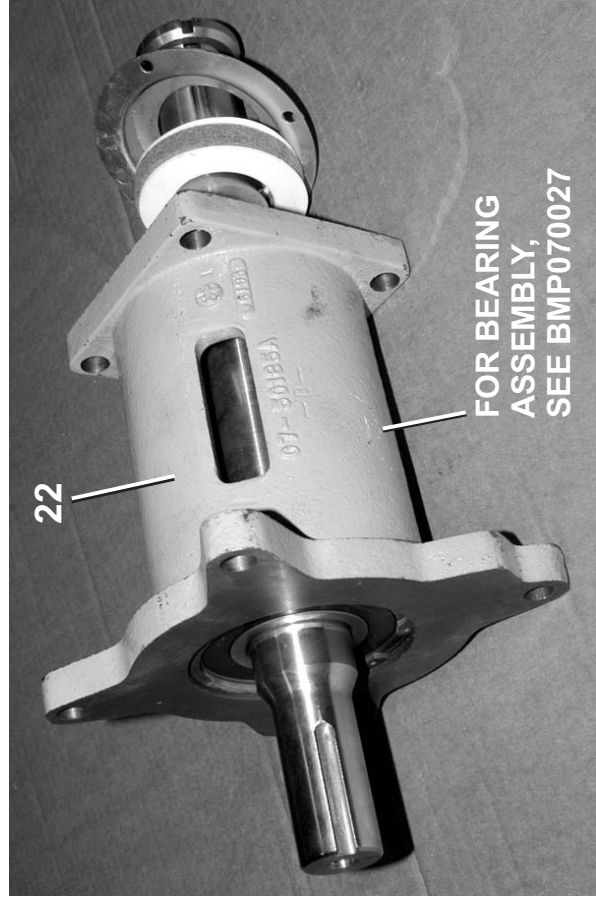
Pellerin Milnor Corporation
 P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

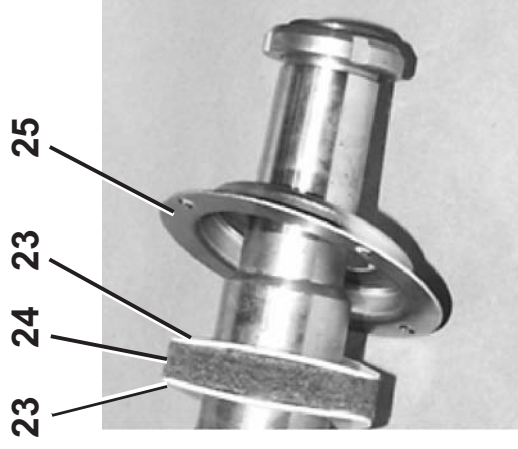


BELT GUARD
 SUPPORT
 BRACKET
 12

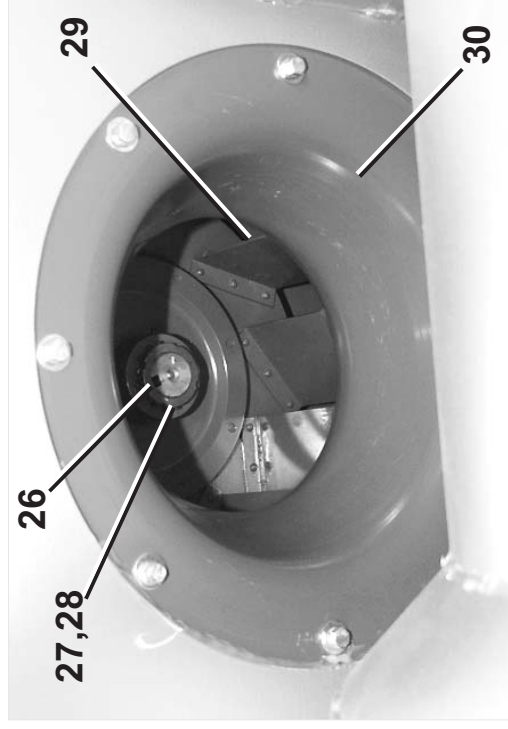
37, 38, 39, 40
 TYPICAL



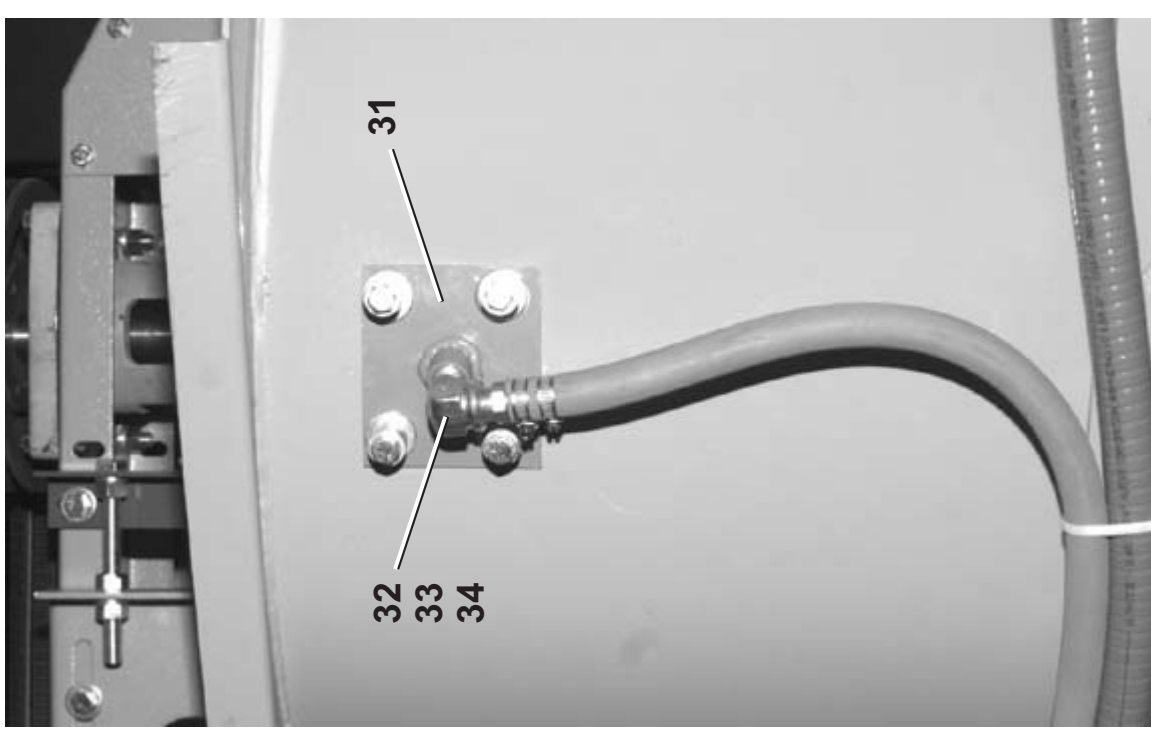
FOR BEARING
 ASSEMBLY,
 SEE BMP070027



23
 24
 23
 25



UNDERSIDE OF BLOWER



BLOWER BLOW DOWN

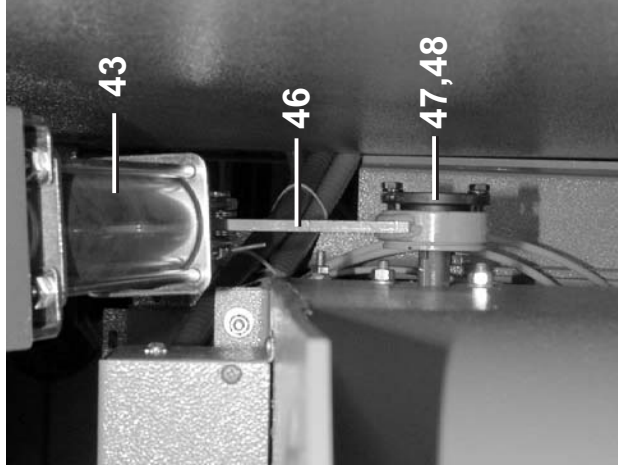
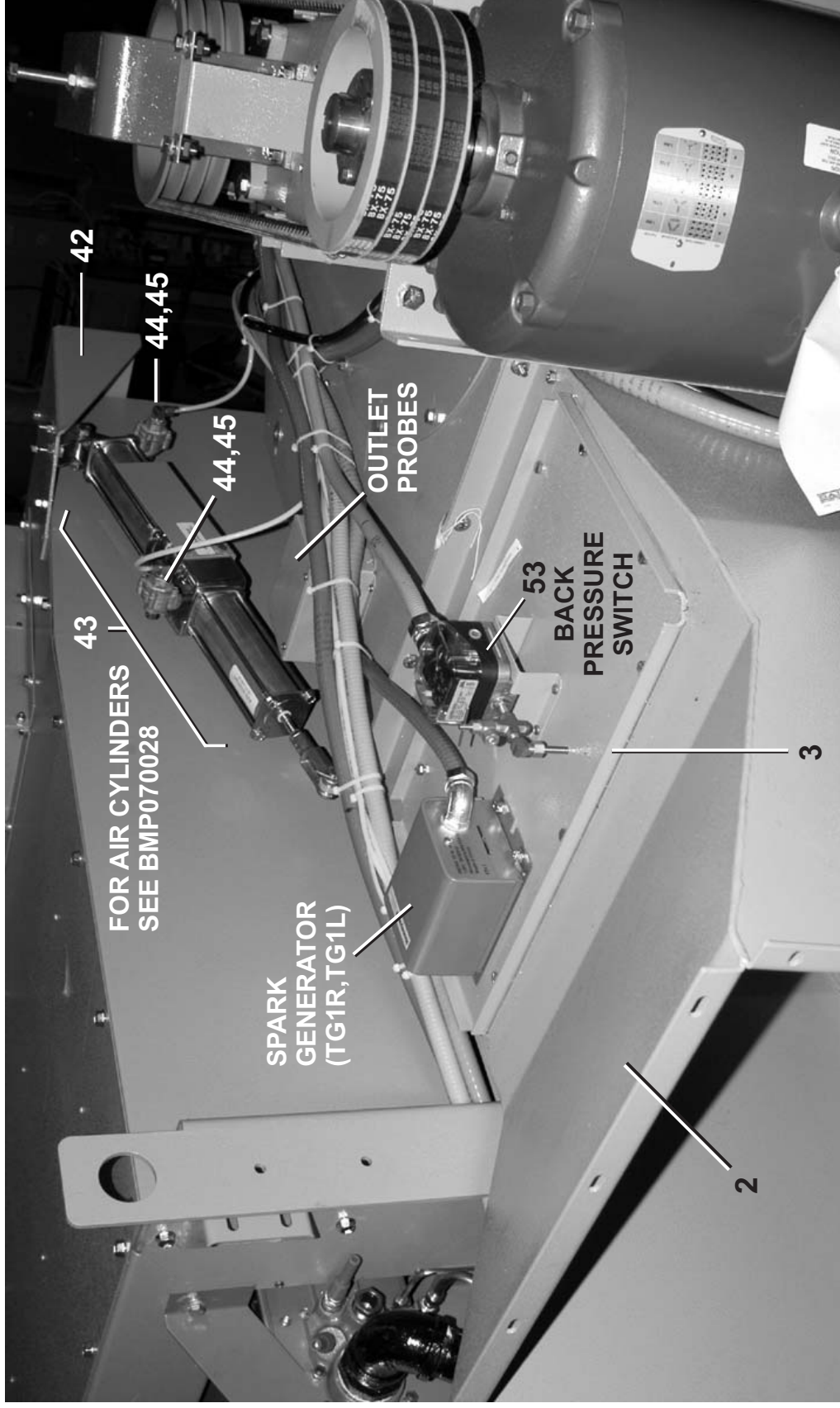
Blower Installation & Exhaust Duct to Rear
5040TG2L/R,TS2L/R 5050TG1L/R,TS1L/R

BMP100012/2012114B
 (Sheet 3 of 4)



Pellerin Milnor Corporation
 P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.



BLOWER EXHAUST DUCT





Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

Used In	Item	Part Number	Description	Comments
			-----ASSEMBLIES-----	
A		A74BA001B	5040 BLWR+DMPR ASSY GAS-LEFT	BLOWER LEFT
B		A74BA001C	5040 BLWR+DMPR ASSY GAS-RIGHT	BLOWER RIGHT
			-----COMPONENTS-----	
A	1	W7 40456A	5040 BLOWER WELDMENT-LEFT	
B	1	W7 40456B	5040 BLOWER WELDMENT-RIGHT	
A	2	W7 40452A	WLMT=5040 BLOWER EXHAUST/LEFT	
B	2	W7 40452B	WLMT=5040 BLOWER EXHAUST/RIGHT	
all	3	07 40446	COVER=DAMPER ACCESS	
all	4	07 60037	15" BLOWER HSG. COVER PLATE	
all	5	07 60078A	15"BLWR BKT MTR BOT CHNL	
all	6	07 60090	15"BLOWER BKT.SUPPORT L.	
all	7	07 60090A	15"BLOWER BKT SUPPORT R	
all	8	07 50252	ANGLE=BELT ADJ BLOWER MOTOR	
all	9	07 60077A	15"BLWR BKT MTR TOP CHNL	
all	10	07 60039	15"BLOWER MOTOR MT BRKT	
all	11	07 50262	BRACKET=MAIN BLW BELT GUARD	
all	12	07 60075	BRKT=15"BLOWER BELT GUARD LFT	
all	13	07 50268	MAIN BLOWER BELT GUARD	
all	14	07 50187	BLOWER BEARING HOLDER	
all	15	15D119	HXTAPSCR 1/2-13X4 GR5 ZNC FTL	
all	16	07 50179	BLOWER BRG HSE SPACER=00143	
all	17	15K198	HEXCAPSCR 1/2-13UNC2AX3 GR5 ZI	
all	18	15U243	FLTWASHER 7/8ODX33/64IDX16GA Z	
all	19	15U300	LOKWASHER REGULAR 1/2 ZINC PLT	
all	20	15G230	HXNUT 1/2-13UNC2B SAE ZINC GR2	
all	21	15K182	HEXTAPSCR 1/2-13X2ZINC GR5 FUL	
all	22	A75BG004	BLW BRG HSE ASSY=2001354	
all	23	07 50288	BLOWER SHAFT TEFLON SEAL	
all	24	07 50287	BLOWER SHAFT FELT SEAL	
all	25	07 50286	BLOWER SHAFT SEAL CAP	
all	26	15E225	SQMACHKEY 3/8X1+1/2 NOTAPER-NO	

Parts List, cont.—Blower Installation Con't.				
Used In	Item	Part Number	Description	Comments
all	27	56AHN08	N08 BEARING LOCKNUT	
all	28	56AHW108	TW108 BEARING LOCKWASHER	
all	29	13E150TCCW	BLOWER WHL 15"CL-2 CCWTABERHUB	
all	30	07 60067	15" DIA INLET NOZZLE 5840	
all	31	W7 60265	*LINT NOZZLE PLATE WLMT	
all	32	51E505	HOSESTEM BRASS 3/8H XMPT	
all	33	12P014SZ	TUBE CLAMP 1/2"ST/Z TIN#4886S	
all	34	60E005F	TUBING NYL.BLK.1/2"ODX.375ID	
all	35	15K202	HEXCAPSCR 1/2-13UNC2AX5 GR5 ZI	
all	36	15K095	HXCPSCR 3/8-16UNC2AX1 GR5 ZINC	
all	37	15U240	FLATWASHER(USS STD) 3/8" ZNC P	
all	38	15U255	LOCKWASHER MEDIUM 3/8 ZINCPL	
all	39	15G205	HXNUT 3/8-16UNC2B ZINC GR2	
all	40	15K105	HXCAPSCR 3/8-16UNC2A1.25 GR5 P	
all	41	17N070P	RETAIN NUT 3/8-16 #S10100-27	
A	42	07 44163	5040 L REAR EXH MAIN CYL SUPP	
B	42	07 44163A	5040 R REAR EXH MAIN CYL SUPP	
all	43	A77AC003	6458 MAIN DAMP CYL ASSY	
all	44	96M055	DELTROL QUICK EXHAUST VLV.1/4"	
all	45	5SP0GFFSSV	NPT PLUG 3/8 SQSOLIDVENTBLKSTL	
all	47	15E195	SQMACHKEY 3/16X1+1/2 NOTAPER&H	
all	48	56Q0PH	3/4" BUSH VPUL TYPE H,D, OR QT	
all	49	54E015	FLGMTBRG 3/4 BORE BRZ #FLB12	
all	50	W7 60060	*15"BLOWER DAMPER WLMT	
all	51	07 60057	15" BLOWER CUTOFF PLATE	
all	52	07 71040	FENWALL DEFLECTOR	
all	53	A77BP001	6458 BACK PRESSURE SWIT ASSY	

Main Air Blower Wheel Replacement

NOTICE P1: "Remove electrical power from the machine" means use the necessary safety procedure for your location. In the USA, this is the OSHA lockout/tagout (LOTO) procedure. More local requirements can also apply.

The two methods to replace the blower wheel are: 1) from below, through the dryer housing or 2) from above. Replacement from below is simpler and the method explained in this document.

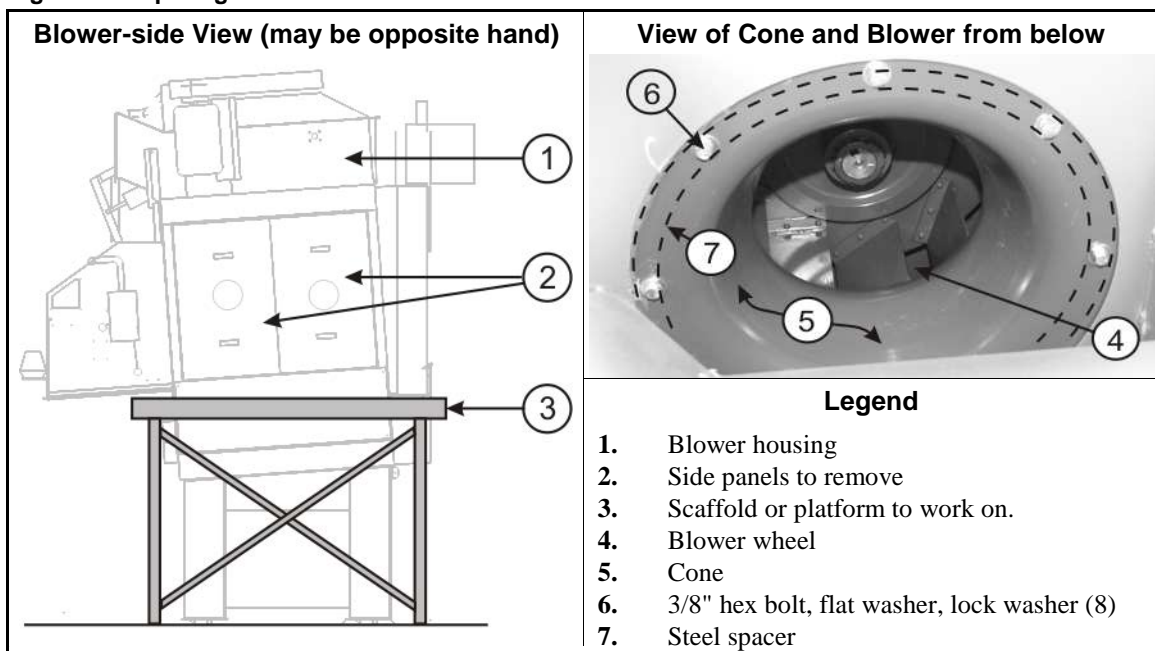
1. Resources Needed

- Two maintenance personnel to handle the blower wheel overhead. Blower wheels range in weight from about 50 to 90 pounds (23 to 41 Kg).
- A sturdy scaffold or platform to work at the level of the dryer housing (see [Figure 1](#))
- Dryer service manual (see the Blower Installation..." document)
- Replacement blower wheel from Milnor
- Tools such as a cold chisel and hammer to loosen/tighten the bearing lock nut
- Tools to remove, install, and torque 3/8" hex head bolts
- Two 3/8" x 16 x 3.5", full thread, high strength, hex head bolts to use as jack bolts
- A 2x4 wood stud to use for blocking

2. Preparations

1. Familiarize yourself with the blower assembly (see the service manual).
2. Set up the scaffold or platform against the blower side of the dryer as shown in [Figure 1](#).
3. **Remove electrical power from the machine (see Notice P1).** Allow the machine to cool.
4. Remove the two access panels on the blower side of the dryer housing.

Figure 1: Preparing for the Work



3. Remove the old blower wheel.

1. Refer to [Figure 1](#). From inside the dryer housing, remove the cone (item 5) and spacer (item 7) by removing the eight bolts, flat washers, and lock washers (item 6). **Retain the bolts and washers.** With these components removed, the blower can be removed through the air passage in the dryer housing.
2. Find a location inside the dryer housing to place the 2x4 blocking. The blocking will help with installation of the new blower wheel. You will use the 2x4 as a post to hold the new blower wheel in place temporarily. Measure the needed length and cut the 2x4.



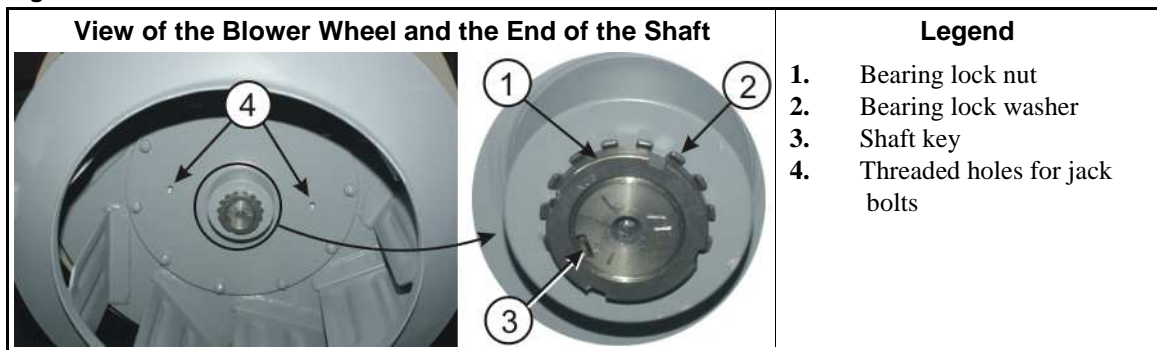
CAUTION [1]: Crush hazards—In the following steps, you will handle the blower wheel overhead, inside the dryer housing. Blower wheels range in weight from about 50 to 90 pounds (23 to 41 Kg). The blower wheel may fall as soon as the bearing lock nut is removed.

- Plan your work.
 - Use two personnel who are physically suited to the task.
3. Refer to [Figure 2](#). The blower wheel is held on the shaft by a bearing lock nut (item 1), a bearing lock washer (item 2), a shaft key (item 3), and a tight fit on the shaft taper. Bend the tab on the lock washer away from the groove in the lock nut. Loosen, **but do not remove** the lock nut. Tap a groove on the lock nut with a hammer and cold chisel to loosen it.
 4. Refer to [Figure 2](#). Two threaded holes on the blower wheel hub (item 4) will accept the 3/8" jack bolts. Insert both bolts until they stop against the top of the blower housing. With the bearing lock nut still attached, alternately tighten the jack bolts to push the wheel off of the shaft taper.

Tip: The blower wheel may be very tight on the taper, especially after lengthy use. Too much torque on the jack bolts can break the bolts or damage the blower housing. If you cannot coax the blower wheel loose with reasonable force, use shorter jack bolts and filler material between the end of each bolt and the top of blower housing to reduce the distance the bolts must span. For the filler material use steel plate over wood blocking.

5. When the blower wheel is held on the shaft by the lock nut alone, support the weight of the blower wheel. While supporting the blower wheel, remove the lock nut and lock washer. Carefully maneuver the old blower wheel off of the shaft and out of the dryer housing. The shaft key may fall out when the blower wheel is removed. **Retain all attachment hardware.**

Figure 2: Blower Wheel Attachment to Shaft



4. Install the new blower wheel.

1. If the shaft key came off of the shaft, replace it. It should fit tightly in the groove on the shaft.

2. Put the 2x4 blocking within reach. Carefully maneuver the new blower wheel into position and onto the shaft. While supporting the weight of the blower wheel, wedge the 2x4 blocking under the blower wheel to hold it in place temporarily.
3. Replace the bearing lock washer and lock nut on the shaft. When the lock nut is reliably on the shaft, remove the 2x4 blocking.
4. Tighten the lock nut to tighten the blower wheel on the shaft taper. Use a hammer and cold chisel to tighten the lock nut. When the face of the lock nut is flush with the end of the shaft, the blower wheel is sufficiently tight.
5. Bend a tab on the lock washer into a groove on the lock nut to lock it in place.
6. Place the cone and spacer in position on the air opening below the blower wheel. The top of the cone fits into the bottom opening in the blower wheel with **very little play**. Move the cone around until it seats into the blower wheel. While holding the fully seated cone in place, loosely install the attachment bolts, flat washers, and lock washers.
7. The bolt holes in the cone permit some sideways movement of the cone. Move the cone around to feel the fit inside the blower wheel. By feel, try to center the cone in the blower wheel. Tighten the bolts to 31 foot-pounds (42 Nm) in an alternating pattern.
8. Apply machine power. With the dryer side panels still removed, stand clear of the machine and use the manual controls to run the main blower. Check for abnormal vibration or noise.

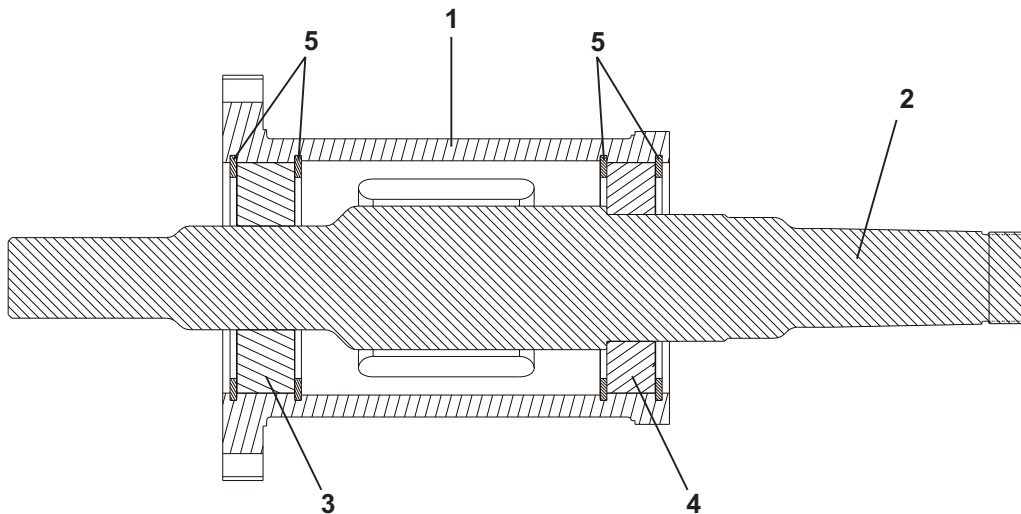
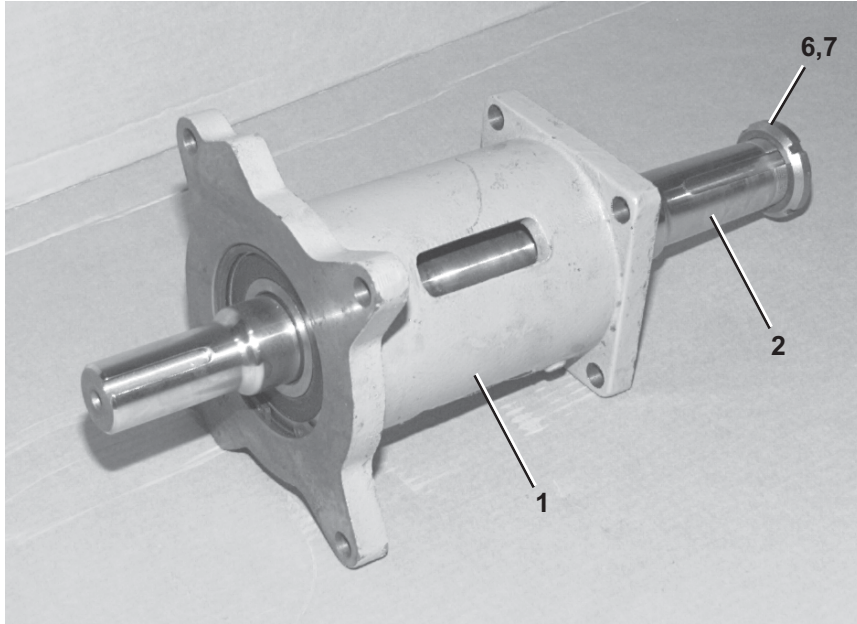
Tip: If the blower wheel rubs against the cone, you will probably hear a metallic rubbing sound. This is normally not serious and the noise should dissipate after the machine is in operation for a while and the cone wears down. If the noise is objectionable, remove electrical power from the machine (see Notice P1) and adjust the cone position as explained above.

9. If any unusual noise or vibration persists, consult Milnor Technical Support.
10. Replace the side panels and return the dryer to operation.

— End of BIPD6M06 —

Blower Bearing

5050, 64050, 64058, 64064, 72072, 76076, 82082 Dryers



1. Pressing against the inner race, press bearing (item 4) on the shaft.
2. Install one (item 5) into the inner groove at each end of item 1.
3. Pressing against the outer race, press bearing (item 4) with its shaft in housing (item 1) with guide at bearing location (item 3) to keep shaft and housing concentric.
4. Pressing bearing (item 3) against both its inner and outer race, press bearing (item 3) into housing and onto shaft, backing up bearing (item 4) at both its inner and outer race.
5. Install retaining rings (item 5) into outer grooves.

Parts List—Blower Bearing Assembly

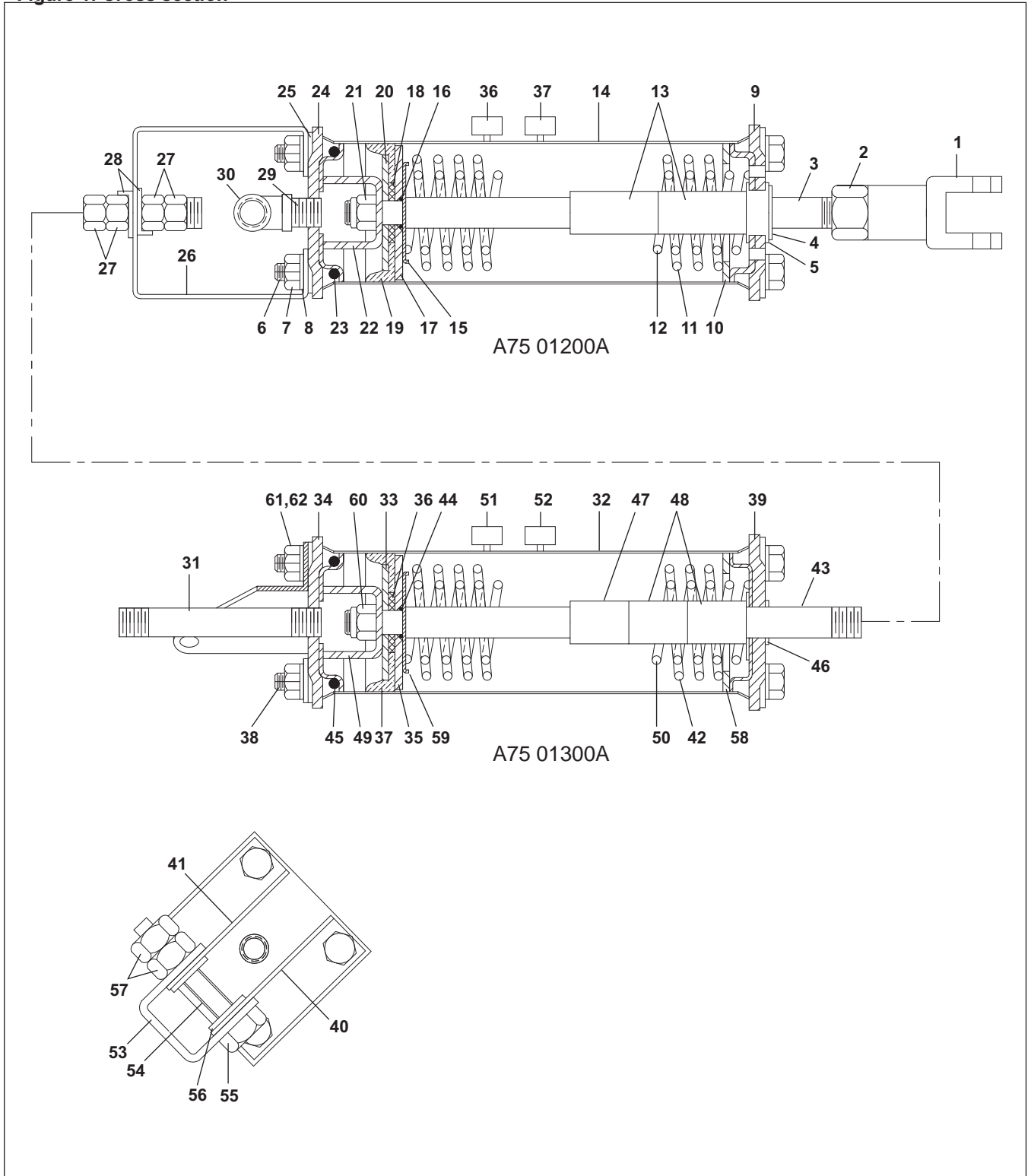
Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			-----ASSEMBLY-----	
	A	A75BG004	BLW BRG HSE ASSY=2001354	ASSEMBLY, CONTAINS ITEMS (1-7) BELOW
			-----COMPONENTS-----	
all	1	X7 50185	BLOWR BRG HSE MACH=SNAP RING	
all	2	07 50186	BLOWER SHAFT=SNAP RING	
all	3	54A073	BALBRG NTN#6309LLBC3/5C 1/BX	
all	4	54A072	BALLBEAR NTN #6211BC3/5C	
all	5	17B014A	INTER RETRING 3000-393	
All	6	56AHN08	N08 BEARING LOCKNUT	
All	7	56AHW108	TW108 BEARING LOCKWASHER	

Blower Main Damper Air Cylinders

5040, 5050, 6458, 6464, 7272, 7676 and 8282 Dryers

Figure 1: Cross section



Blower Main Damper Air Cylinders

5040, 5050, 6458, 6464, 7272, 7676 and 8282 Dryers

Parts List—Blower Main Air Damper Air Cylinders				
Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.				
Used In	Item	Part Number	Description	Comments
-----ASSEMBLIES-----				
	A	A77AC003	6458 MAIN DAMP CYL ASSY	CONTAINS B & C
	B	A75 01200A	6458 AIR CYL. DAMP=3" STROKE	
	C	A75 01300A	6458 AIR CYL. DAMP=2"STROKE	
-----COMPONENTS-----				
all	1	17A020	ADJ CLEVIS MACHINED 1/2-13 ZIN	
all	2	15G230	HXNUT 1/2-13UNC2B SAE ZINC GR2	
all	3	02 18650	STEM=2 WAY AIRCYLINDER BRAKE	
all	4	17B012	EXTRETRING IND#1000-50-ST-ZD Z	
all	5	54E220	NYLNR 8L2FF BUSH 1/2X9/16X.140	
all	6	02 10585E	TIE BOLT=5/16-18X8.25LG PLTD	
all	7	15G185	HXNUT 5/16-18UNC2B SAE ZINC GR	
all	8	15U210	LOKWASHER MEDIUM 5/16 ZINCPL	
all	9	02 02546	CYLINDER HEAD=SLIDE STEM	
all	10	15U520	FLATWASHER 2+3/8X1+41/64X12GA	
all	11	02 15881	SPRING=BRAKE2.1OD11FL15.5#/"	
all	12	02 15880	SPRING=BRAKE1.5OD10.3FL17#/"	
all	13	27B250	SPCRROLL.5ID1.5L.062T STLZNC	
all	14	02 02068	AIRCYL-STAINLESS=DUMP VALVE	
all	15	02 18651	WASHER=2 WAY BRAKE CYL	
all	16	60C106	ORING 5/16ID 1/16CSBUNA70#011	
all	17	02 02105B	2.38"ACYL BRASS PISTONCUP WSHR	
all	18	02 02185	WASHER=PISTON CUP COMP LIMIT	
all	19	02 02194	PISTON CUP=DUMPVALVE 2+3/8"	
all	20	02 02085	UP WASHER=2"OD=PISTON CUP	
all	21	15G220	NUTLOK THINHX 3/8-24 SS/NYL	
all	22	03 01313	STOP=AIR CYL W/2+11/16STROKE	
all	23	60C132	ORING 2"IDX3/16CS BUNA70 #329	
all	24	02 02101	CYLHEAD W/TAPPED HOLE	
all	25	15U185	FLATWASHER(USS STD) 1/4" ZNC P	
all	26	07 50331	AIR CYL. BRKT.= DAMPER	
all	27	15G230	HXNUT 1/2-13UNC2B SAE ZINC GR2	
all	28	07 50331B	LOCKING WASHER AIRCYL SHAFT	
all	29	5N0ECL3G42	NPT NIPPLE 1/4XCLS TBE GALSTL	
all	30	5SLOEBEA	NPTELB 90DEG 1/4 BRASS 125#	

Blower Main Damper Air Cylinders

5040, 5050, 6458, 6464, 7272, 7676 and 8282 Dryers

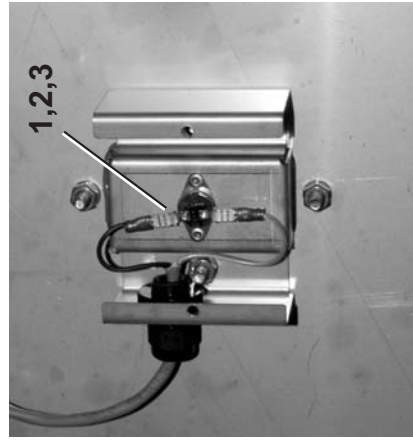
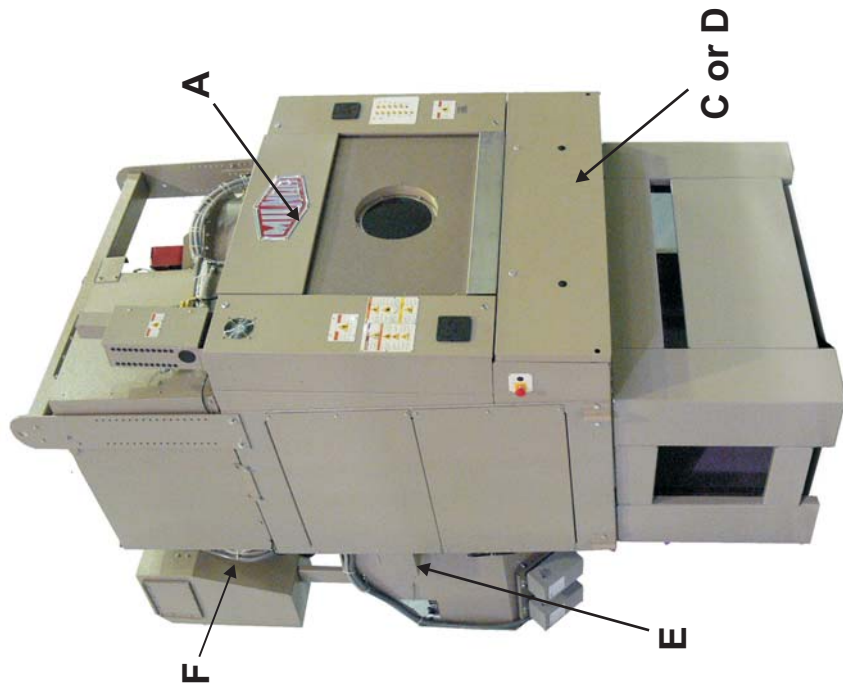
Parts List—Blower Main Air Damper Air Cylinders				
Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.				
Used In	Item	Part Number	Description	Comments
all	31	5N0ECLSBE2	NPT NIP 1/4XCLS TBE BRASS 125#	
all	32	02 02068	AIRCYL-STAINLESS=DUMP VALVE	
all	33	02 02085	UP WASHER=2"OD=PISTON CUP	
all	34	02 02101	CYLHEAD W/TAPPED HOLE	
all	35	02 02105B	2.38"ACYL BRASS PISTONCUP WSHR	
all	36	02 02185	WASHER=PISTON CUP COMP LIMIT	
all	37	02 02194	PISTON CUP=DUMPVALVE 2+3/8"	
all	38	02 10585E	TIE BOLT=5/16-18X8.25LG PLTD	
all	39	02 02546	CYLINDER HEAD=SLIDE STEM	
all	40	02 02547	BRKT=AIRCYL-LFT ZINC/CAD	
all	41	02 02550	BRKT=AIRCYL-RIGHT ZINC/CAD	
all	42	02 15881	SPRING=BRAKE2.1OD11FL15.5#/"	
all	43	02 18650A	STEM-AIRCYL.UPLOCK PRESS	
all	44	60C106	ORING 5/16ID 1/16CSBUNA70#011	
all	45	60C132	ORING 2"IDX3/16CS BUNA70 #329	
all	46	54E220	NYLNR 8L2FF BUSH 1/2X9/16X.140	
all	47	27B240	SPCRROLL.5ID.813L.062T STLZNC	
all	48	27B250	SPCRROLL.5ID1.5L.062T STLZNC	
all	49	03 01313	STOP=AIR CYL W/2+11/16STROKE	
all	50	02 15880	SPRING=BRAKE1.5OD10.3FL17#/"	
all	51	20L601A	ID TAG NAT'L#1614 ALUM EMB "A"	
all	52	20L601E	ID TAG NAT'L#1614 ALUM EMB "E"	
all	53	02 02556	SUPPORT=AIRCYL 12GA ZINC PLT	
all	54	27B2750LOT	SPC RROLL.562ID.937L.048T ZNK	
all	55	15K206	HEXCAPSCR 9/16-12X2.5 ZC GR5	
all	56	15U311A	FLTWASHER9/16 ASME/B18.22.1TYP	
all	57	15G235F	HXFNJAMNUT 9/16-12UNC2B ZINC G	
all	58	15U520	FLATWASHER 2+3/8X1+41/64X12GA	
all	59	02 18651	WASHER=2 WAY BRAKE CYL	
all	60	15G220	NUTLOK THINHX 3/8-24 SS/NYL	
all	61	15G185	HXNUT 5/16-18UNC2B SAE ZINC GR	
all	62	15U210	LOKWASHER MEDIUM 5/16 ZINCPL	
Xx				
Xx				

Temperature Sensors
5040TG2L/R,TS2L/R 5050TG1L/R,TS1L/R

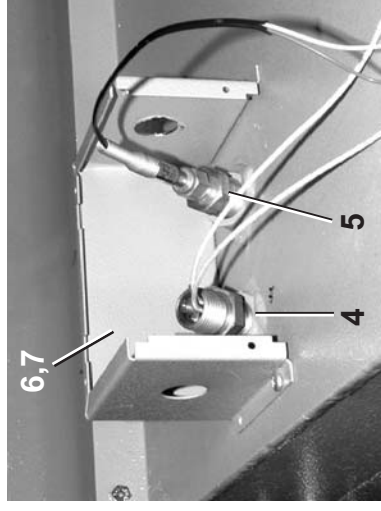
MILNOR
 Pellerin Milnor Corporation
 P. O. Box 400, Kenner, LA 70063-0400

BMP100020/2012085B
 (Sheet 1 of 2)

Litho in U.S.A.



A. Basket temperature switch



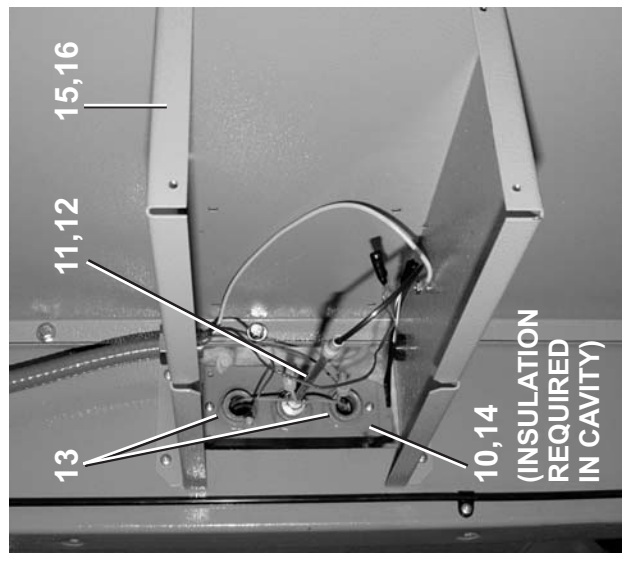
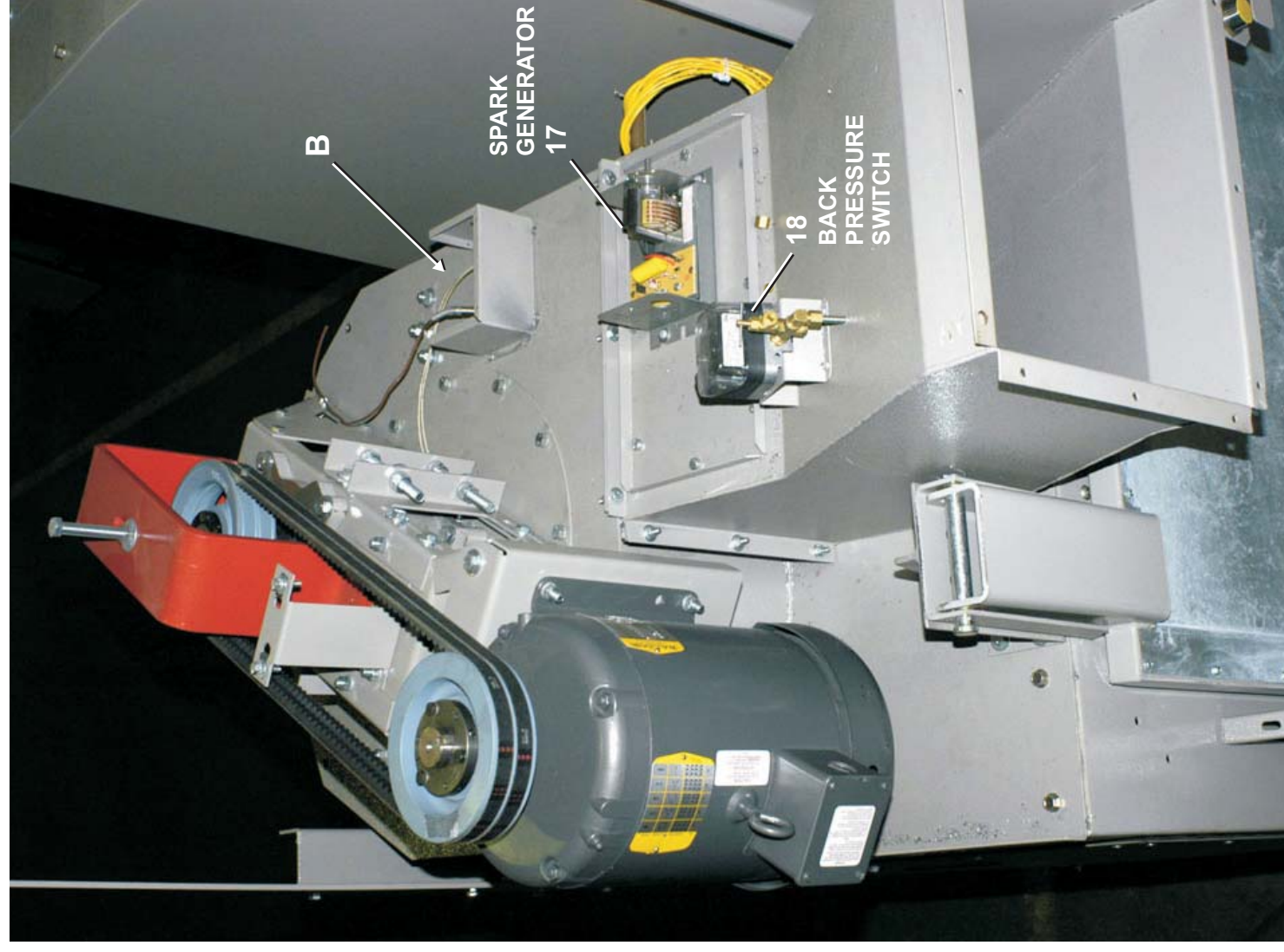
B. Outlet temperature switch and temperature probe



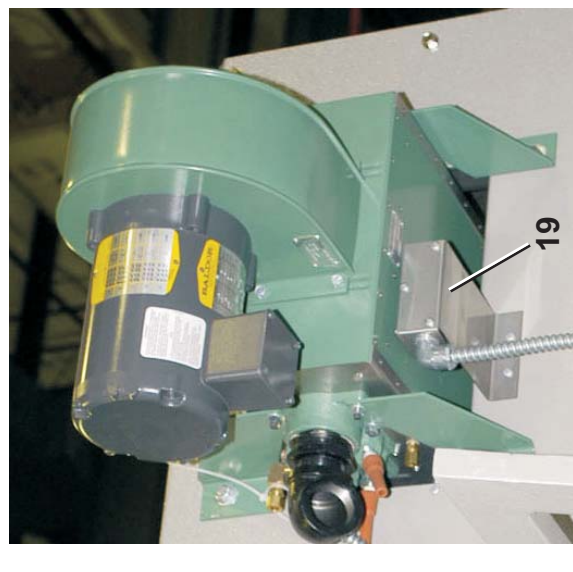
C. Burner Controller (5040TG2L, TG2R European gas trains)



D. Fire eye (5040TG2L, TG2R only)



E. Inlet temperature probe



F. Burner thermostat



Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

Parts List—Temperature Sensors

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			-----ASSEMBLIES-----	
			-----COMPONENTS-----	
all	1	30RA225T	THERMOSTAT CLOSES AT 225-DEG F	
all	2	07 71531	6458 HIGH TEMP SWITCH HOLDER	
all	3	07 71533	6458 HIGH TEMP SWITCH COVER	
all	4	30R0225P	THERMOSW.FENWAL CLOSE @ 225F	5040TG2L/R,5050TG1L/R
all	4	30R0240P	THERMOSW.FENWAL CLOSE @ 240F	5040TS2L/R,5050TS1L/R
all	5	30R0055PP	* DRYER OUTLET T/C PROBE ASSY	
all	6	03 CL4X3Y	COVER:DRYER TEMP PROBE	
all	7	03 E4X3Y	ENCL:DRYER TEMP PROBE	
all	8	09X151	BURNER CTL-AUSTR.110/50 10SEC	5040TG2L/R,5050TG1L/R CE (EUROPE)
all	9	09X150A3	FLAMESAFE CTL ASSY #Mc120	5040TG2L/R,5050TG1L/R
all	10	W3 BF3X5B	PLATE: 100LB DRYER TEMP WELD	
all	11	30R0050PP	100# DRYER T/C PROBE ASSY	
all	12	51A026C	THRMCOUPCON BRAS1/4TUBEX1/2MPT	
all	13	30R0550P	THERMOSW.FENWAL OPEN @ 550F	
all	14	98P030	INSUL.FIBRGLS.24X48X1+1/2E=1SH	
all	15	07 44161	5040 TEMP PROBE BOX	
all	16	07 44162	5040 TEMP PROBE BOX COVER	
	17A	09X175	IGNITION TRANSFRMER Q624A1014B	U.S.
	17B	09X175A	IGNITION TRANSFRMER CE ECLIPSE	CE (EUROPE)
	17BB	09X175AB	MOUNTING KIT FOR 09X175A - ECLIPSE	CE (EUROPE)
all	18	A77BP001	6458 BACK PRESSURE SWIT ASSY	
All	19	30RA175T	THERMOSTAT OPENS AT 175F	

Gas Assemblies

7

Natural Gas Schematic, CSA

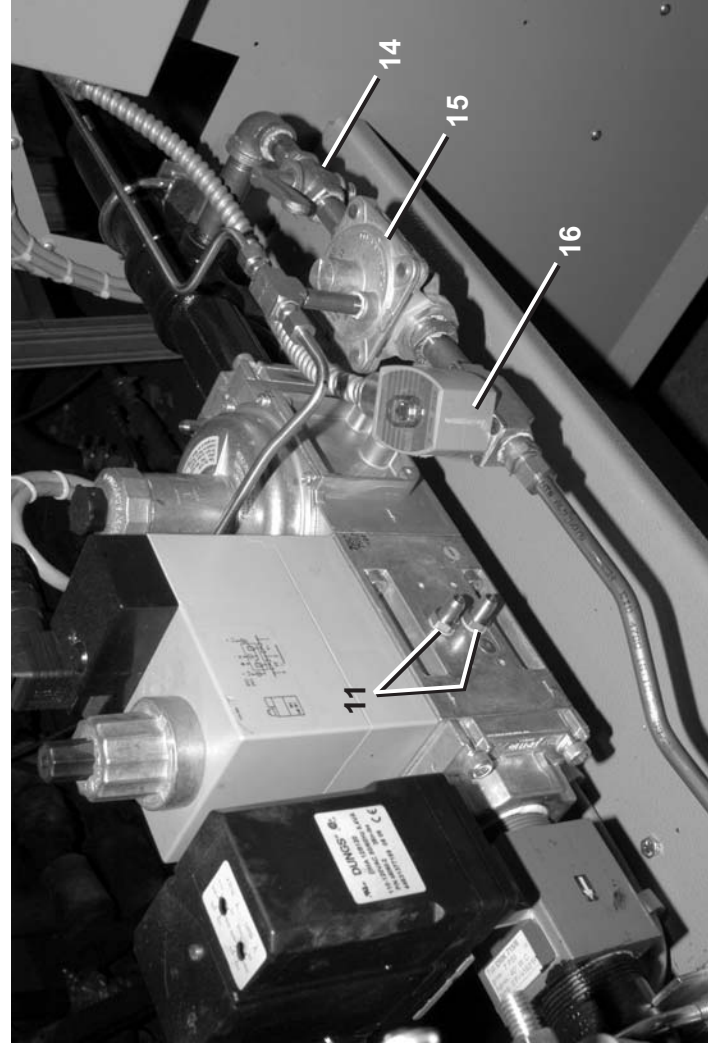
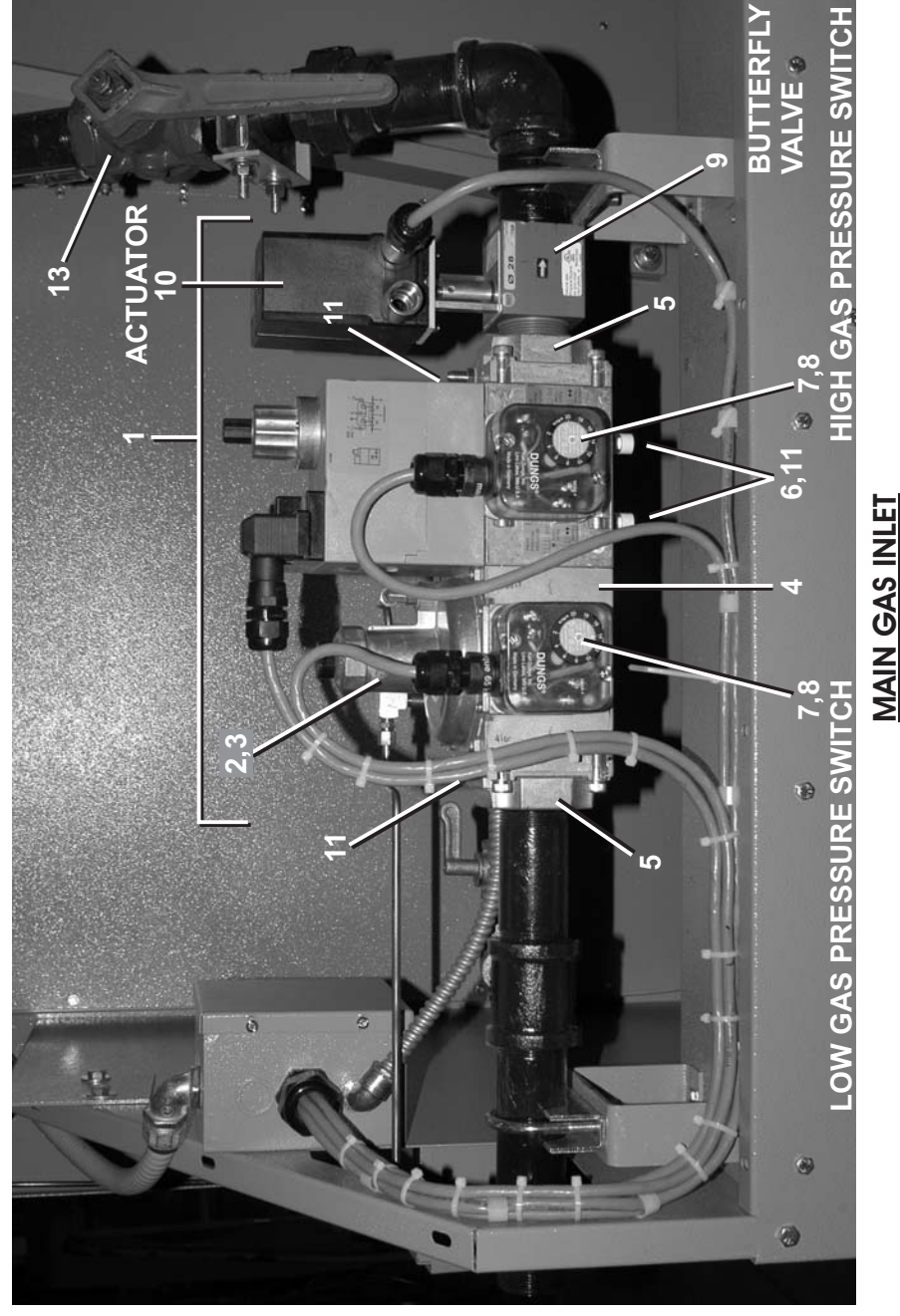
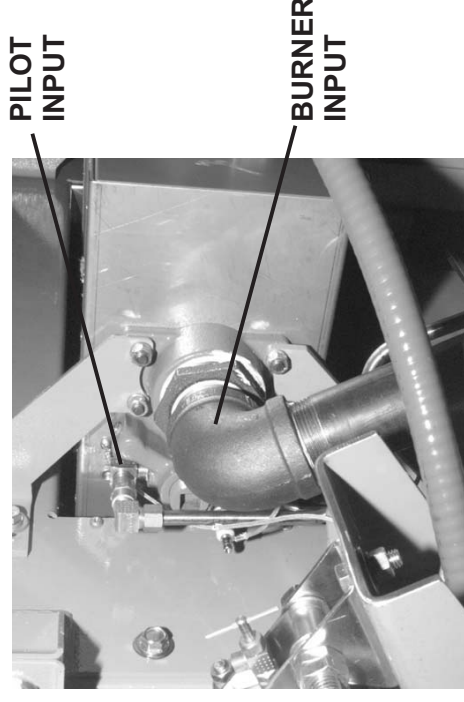
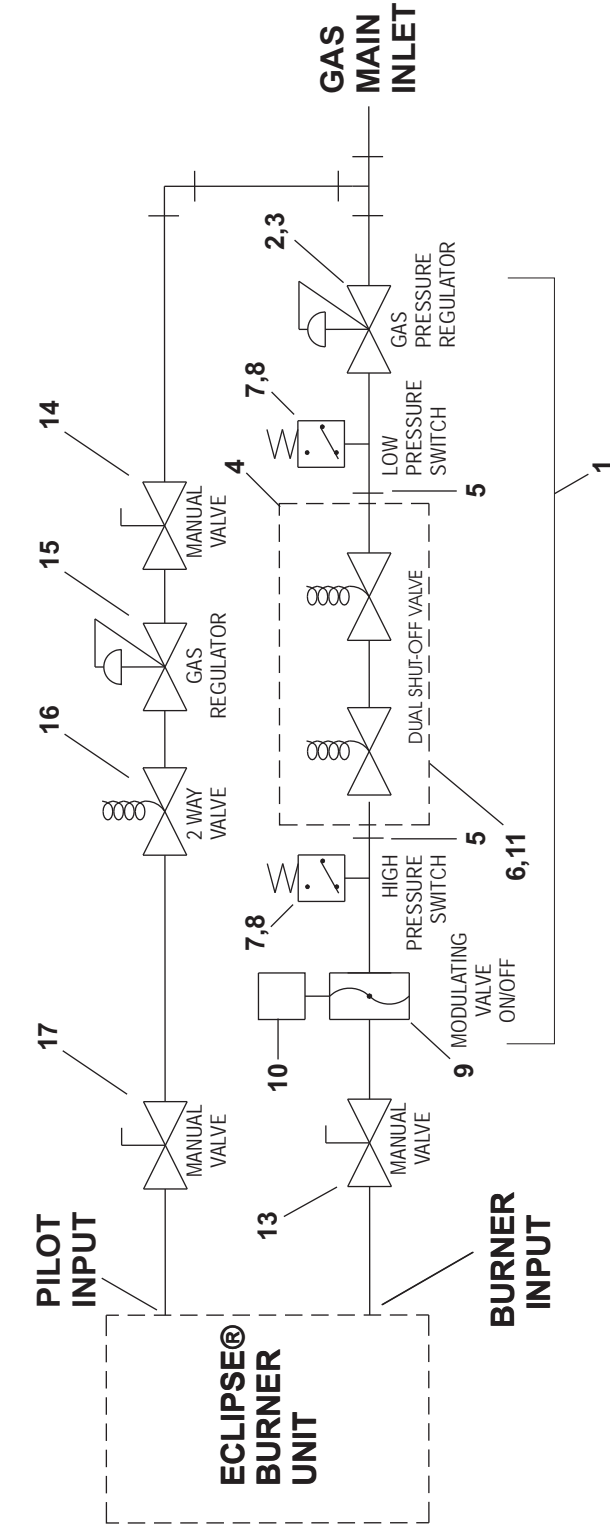
5040TG2L,TG2R 5050TG1L,TG1R 6458TG1L,TG1R 6464TG1L,TG1R 7272TG1L,TG1R



Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

BMP080027/2012114B
(1/2)



PILOT LINE

MAIN GAS INLET



Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

Parts List—Natural Gas Schematic CSA
Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			-----ASSEMBLIES-----	
	A	A74VG052	5040 NAT 2V-NOVENT=CSA RT	5040TG2R,505TG1R
	B	A74VG052A	5040 NAT 2V-NOVENT=CSA LEFT	5040TG2L,5050TG1L
	C	A77VG052	6458 NAT 2V-NOVENT=CSA LF	6458TG1L,6464TG1L
	D	A77VG052A	6458 NAT 2V-NOVENT=CSA RT	6458TG1R,6464TG1R
	E	A79VG052	7272 NAT 2V-NOVENT=CSA LF	7272TG1L
	F	A79VG052A	7272 NAT 2V-NOVENT=CSA RT	7272TG1R
			-----COMPONENTS-----	
A	1	A74VG009	1.0 VALTRAIN 1MILBTU RT TO LF	CONTAINS ITEMS 2-11
B	1	A74VG009A	1.0 VALTRAIN 1MILBTU LF TO RT	CONTAINS ITEMS 2-11
C	1	A77VG020	1.5"VALTRAIN 2MILBTU LF TO RT	CONTAINS ITEMS 2-11
D	1	A77VG020A	1.5"VALTRAIN 2MILBTU RT TO LFT	CONTAINS ITEMS 2-11
E	1	A79VG020	2.0"VALTRAIN 3MILBTU LF TO RT	CONTAINS ITEMS 2-11
F	1	A79VG020A	2.0"VALTRAIN 3MILBTU RT TO LFT	CONTAINS ITEMS 2-11
ABCD	2	96SD010	FRI712 GAS PRESS/REG #D230475	
EF	2	96SD032	2"NPT FRS 720/6 GAS REGULATOR	
ABCD	3	96SD011	FRI MOUNTING KIT #D219968	
AB	4	96SD020	DMV-DLE 702/6 DUAL VALVE	
CD	4	96SD012	DMV-DLE 703 DUAL SHUTOFF VALVE	
EF	4	96SD028	DMV-DLE 525/11 DUAL SHUTOFFVAL	
AB	5	96SD003	1"NPT FLANGE ONLY #D222369	
CD	5	96SD013	1-1/2" FLNG ONLY #D222003	
EF	5	96SD029	2"FLANGE ONLY #D232407	
all	6	96SD014	VISUALVAL POSINDIC #217-665	
all	7	96SD015	GAO-A2-4-5 HI&LO GASPRESSWITCH	
ABCD	8	96SD016	MTGKIT FOR HI GAS PRESS SWITCH	
AB	9	96SD005A	DMK 710-6 1"NPT BUTTERFLY 21M	
CD	9	96SD017	DMK715/6 1-1/2"NPT BUTRFLY 28M	
EF	9	96SD030	DMK 720/6 2"NPT BUTTERFLY VAL	
all	10	96SD018	DMA 12B120 ACTUATR 12 SEC TIME	
AB	11	96SD008	G 1/8"TEST NIPPLE #D219008	
CD	11	96SD019	G 1/8" TEST NIPPLES(PRESSTEST)	
EF	11	96SD008	G 1/8"TEST NIPPLE #D219008	
AB	13	96G100C	1"GAS STOP VAL W/RELUB	
CD	13	96G150C	1.5"GAS STOP VAL W/ RELUB	
EF	13	96G200	2" GAS STOP VAL W/ RELUB	
all	14	96G030	3/8GAS STOP VAL W/CKLEVER HDL	
all	15	96J507	1/2"INLET GASREG 7"W.C-MAXITRL	

Used In	Item	Part Number	Description	Comments
all	16	96TCC2BA37	3/8" N/C 2WAY 120V50/60C VALVE	
all	17	96G037AGA	1/4X1/4 GAS COCK VALVE W/T-HDL	

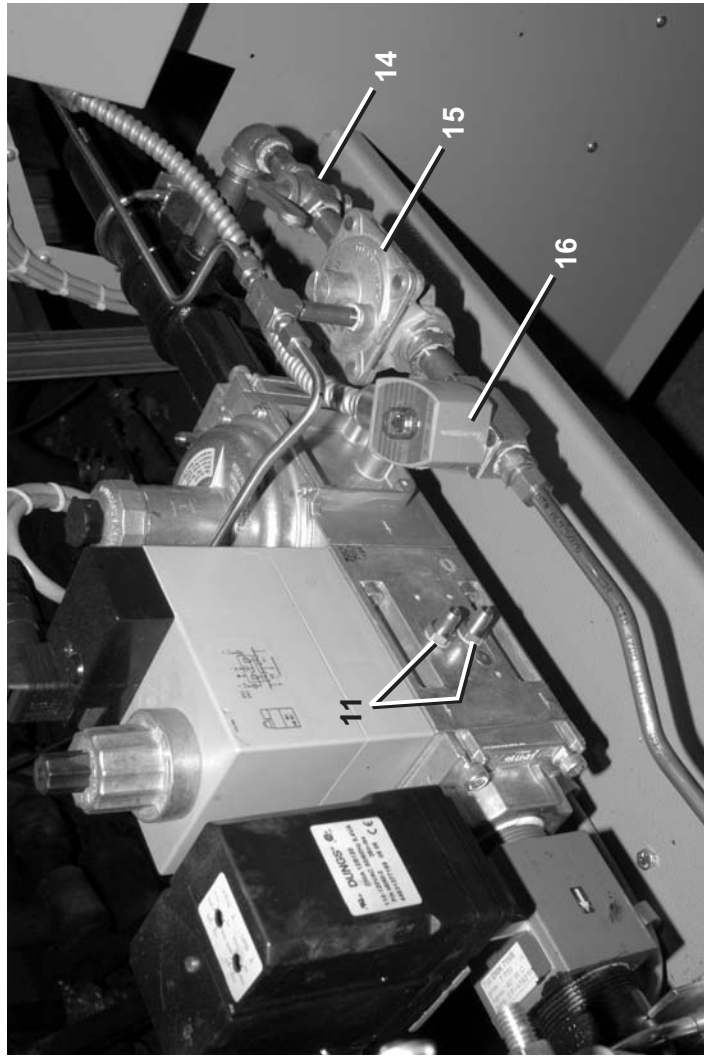
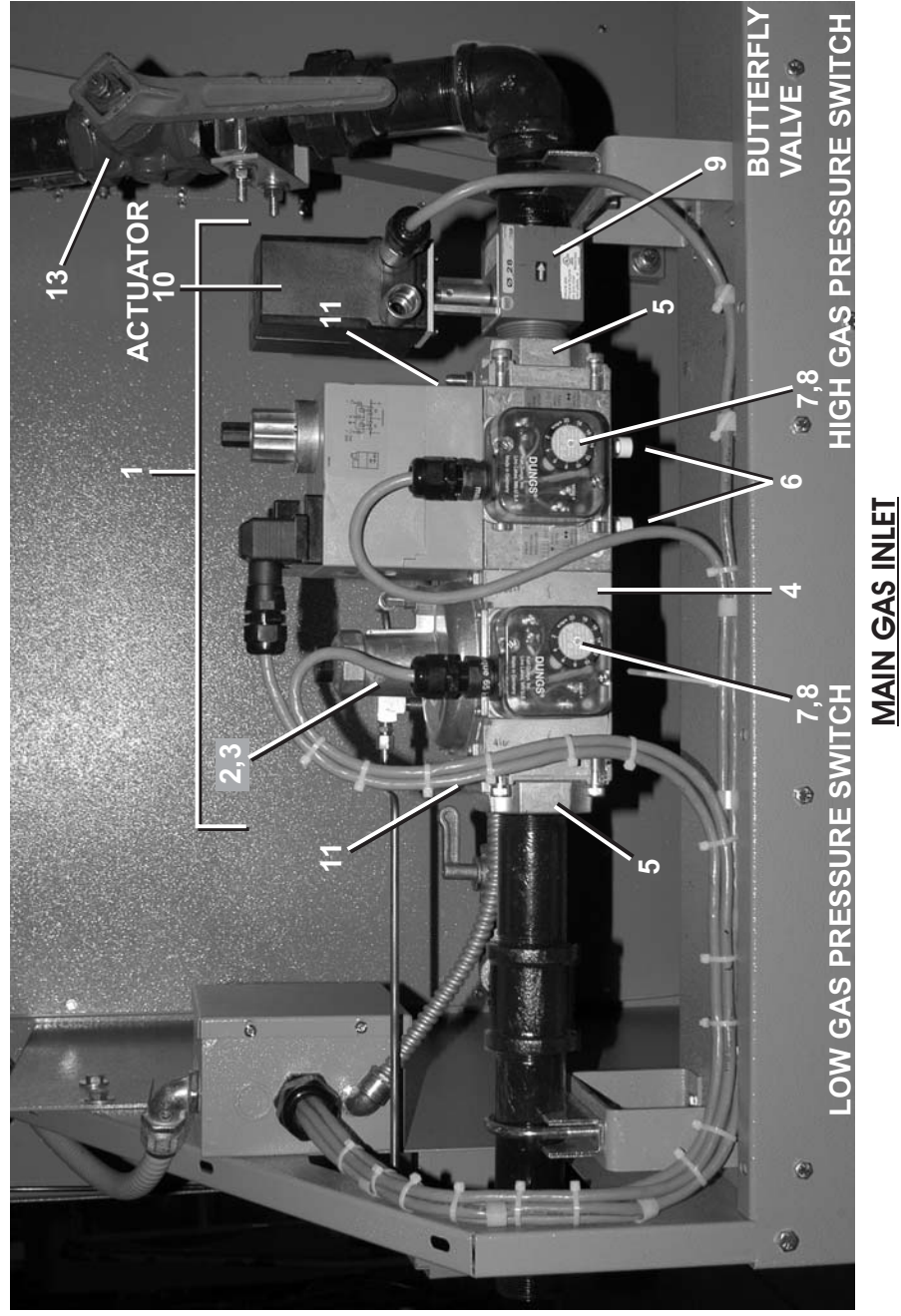
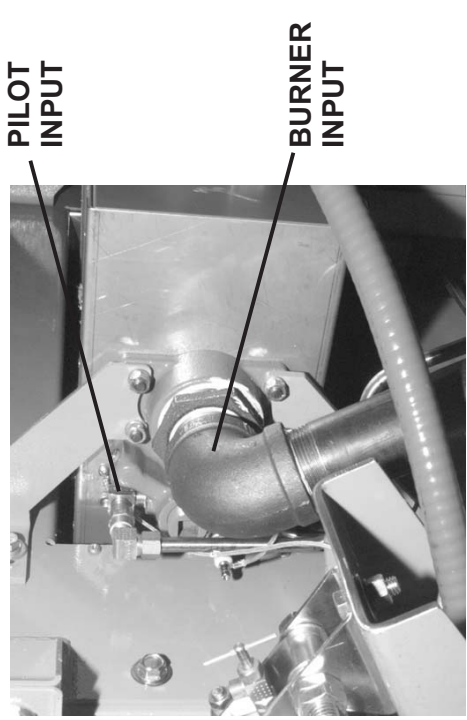
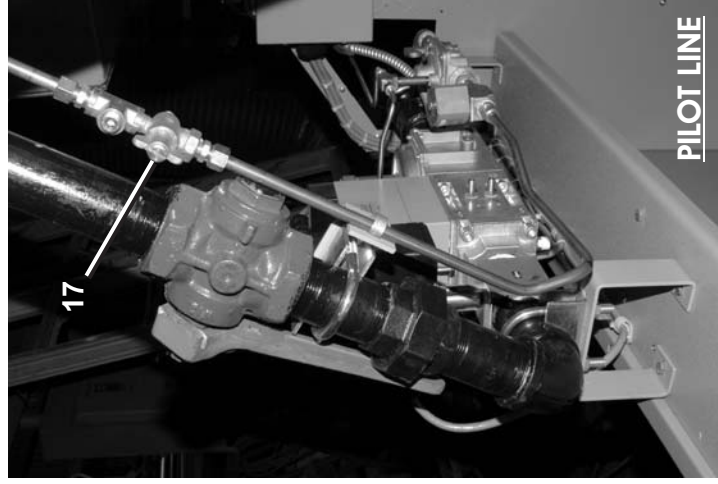
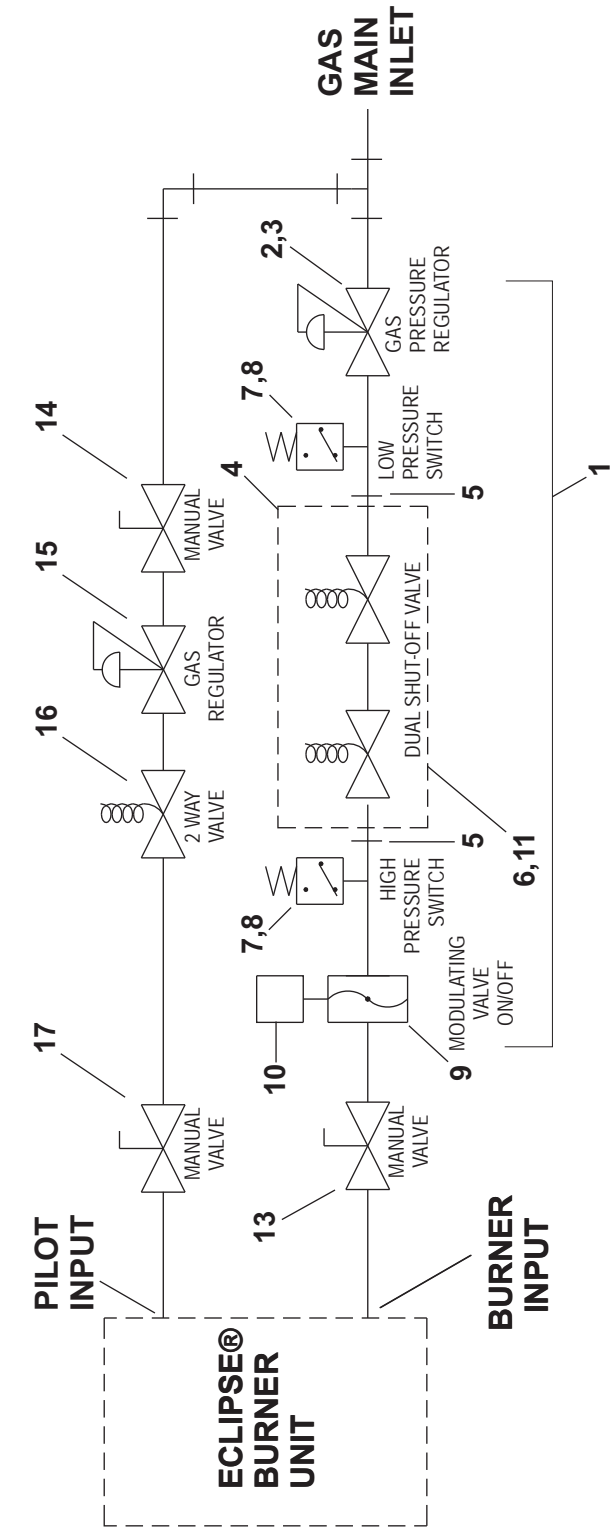
Natural Gas Schematic, Europe
5040TG2L/R, 5050TG1L/R

BMP080026/2012114B
(Sheet 1 of 2)



Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.





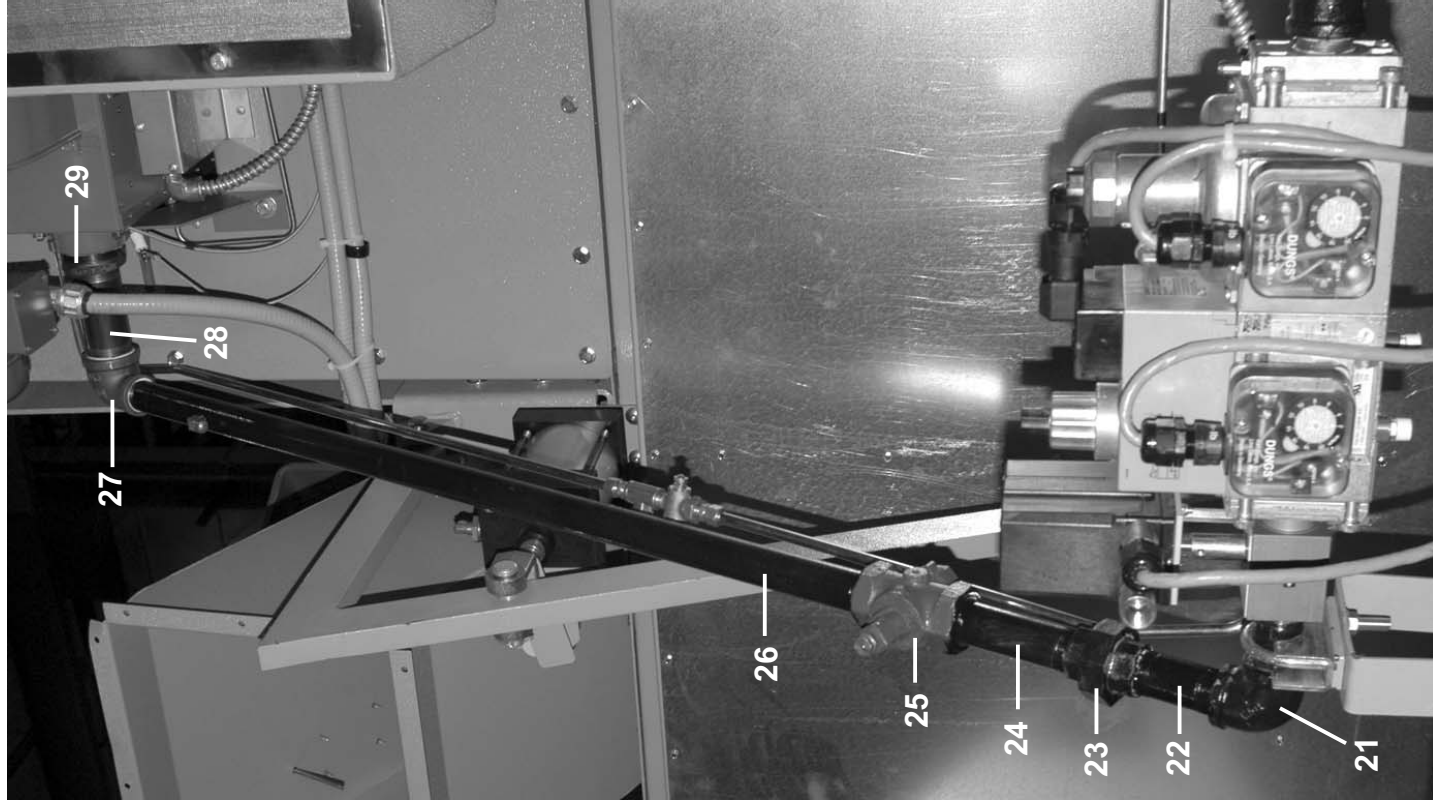
Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

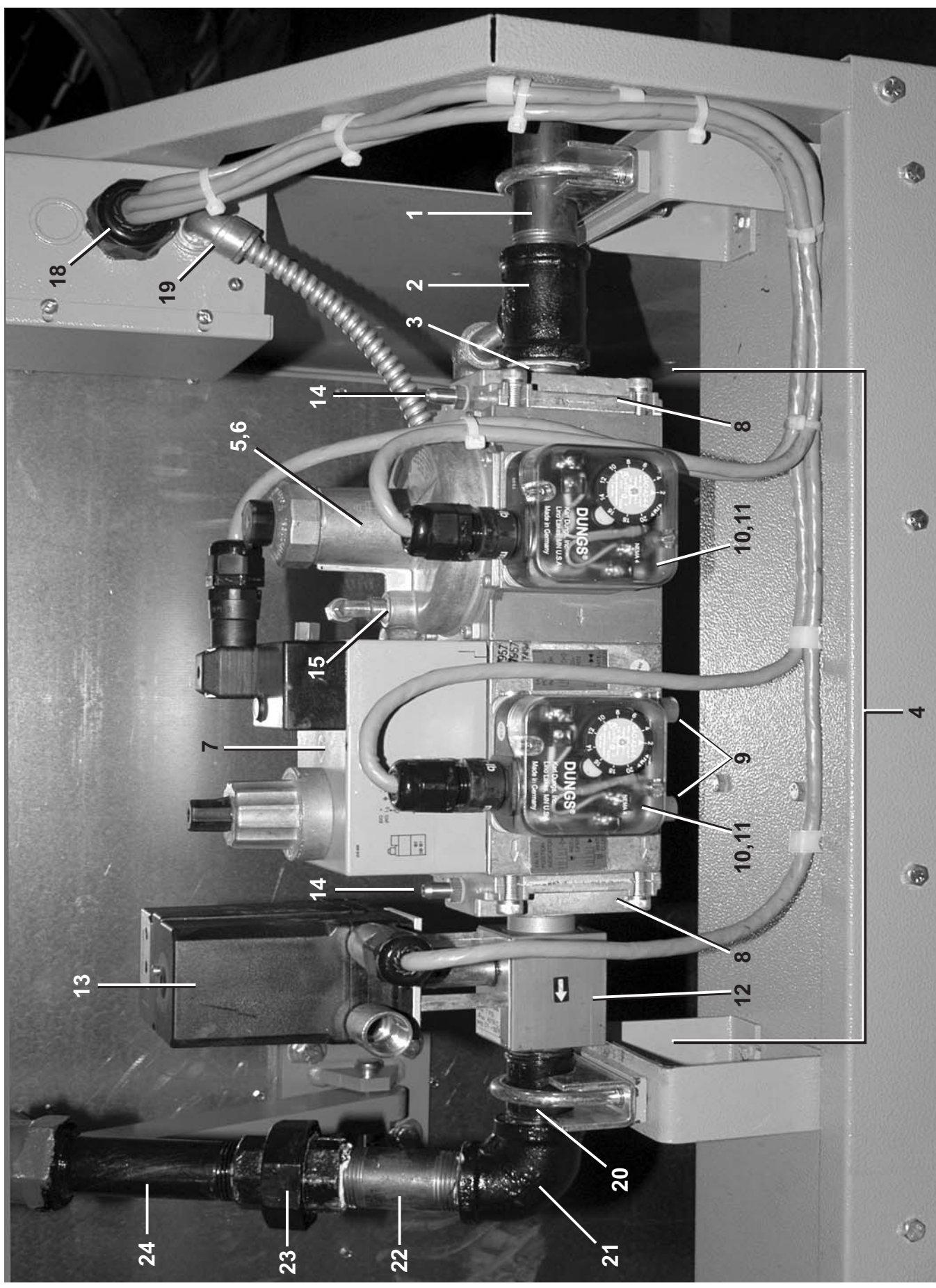
Parts List—Natural Gas Schematic Europe

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
-----ASSEMBLIES-----				
	A	A74VG052	5040 NAT 2V-NOVENT=CSA RT	5040TG2R,5050TG1L
	B	A74VG052A	5040 NAT 2V-NOVENT=CSA LEFT	5040TG2L,5050TG1R
-----COMPONENTS-----				
A	1	A74VG009	1.0 VALTRAIN 1MILBTU RT TO LF	CONTAINS ITEMS 2-11
B	1	A74VG009A	1.0 VALTRAIN 1MILBTU LF TO RT	CONTAINS ITEMS 2-11
all	2	96SD010	FRI712 GAS PRESS/REG #D230475	
all	3	96SD011	FRI MOUNTING KIT #D219968	
all	4	96SD020	DMV-DLE 702/6 DUAL VALVE	
all	5	96SD003	1"NPT FLANGE ONLY #D222369	
all	6	96SD014	VISUALVAL POSINDIC #217-665	
all	7	96SD015	GAO-A2-4-5 HI&LO GASPRESSWITCH	
all	8	96SD016	MTGKIT FOR HI GAS PRESS SWITCH	
all	9	96SD005A	DMK 710-/6 1"NPT BUTTERFLY 21M	
all	10	96SD018	DMA 12B120 ACTUATR 12 SEC TIME	
all	11	96SD008	G 1/8"TEST NIPPLE #D219008	
all	13	96G100C	1"GAS STOP VAL W/RELUB	
all	14	96G030	3/8GAS STOP VAL W/CKLEVER HDL	
all	15	96J507	1/2"INLET GASREG LEVER ACTING 7"W.C-MAXITRL	
all	16	96TCC2BA37	3/8" N/C 2WAY 120V50/60C VALVE	
all	17	96G037AGA	1/4X1/4 GAS COCK VALVE W/T-HDL	



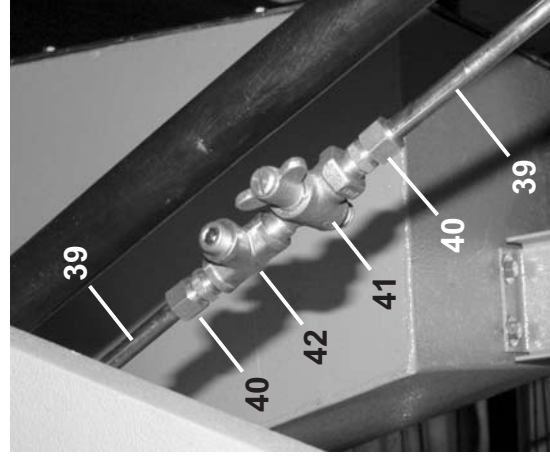
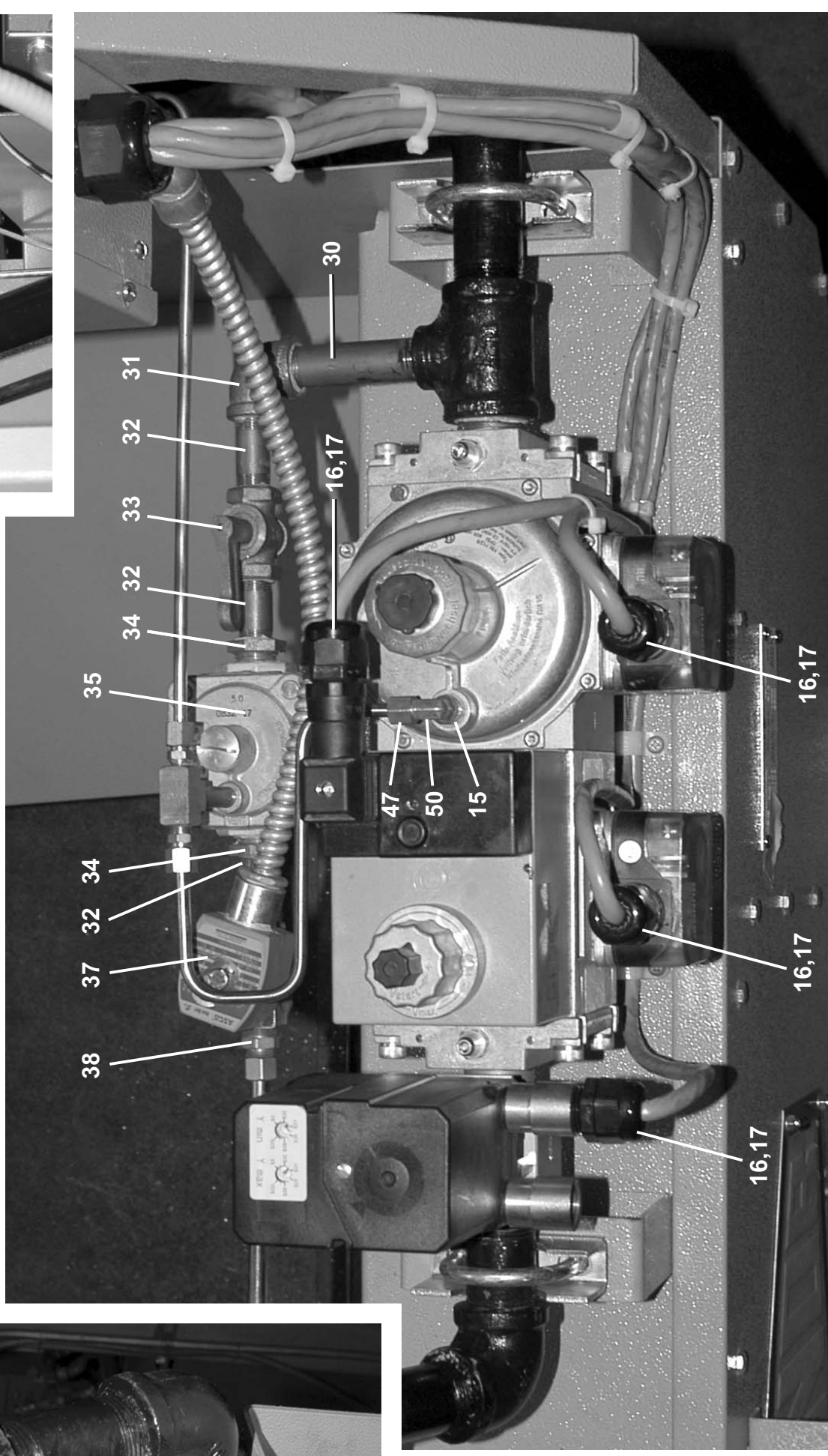
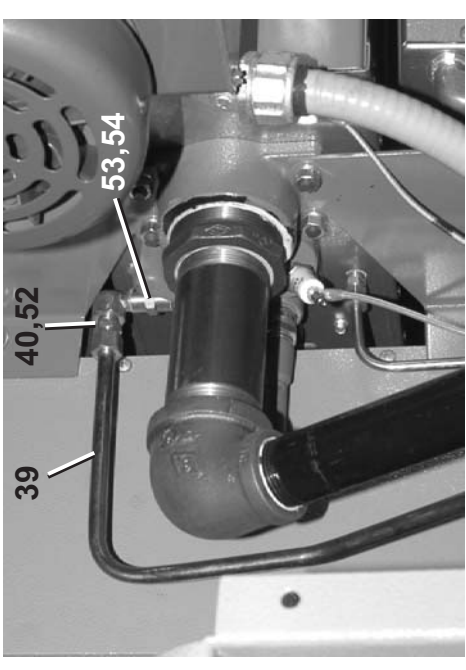
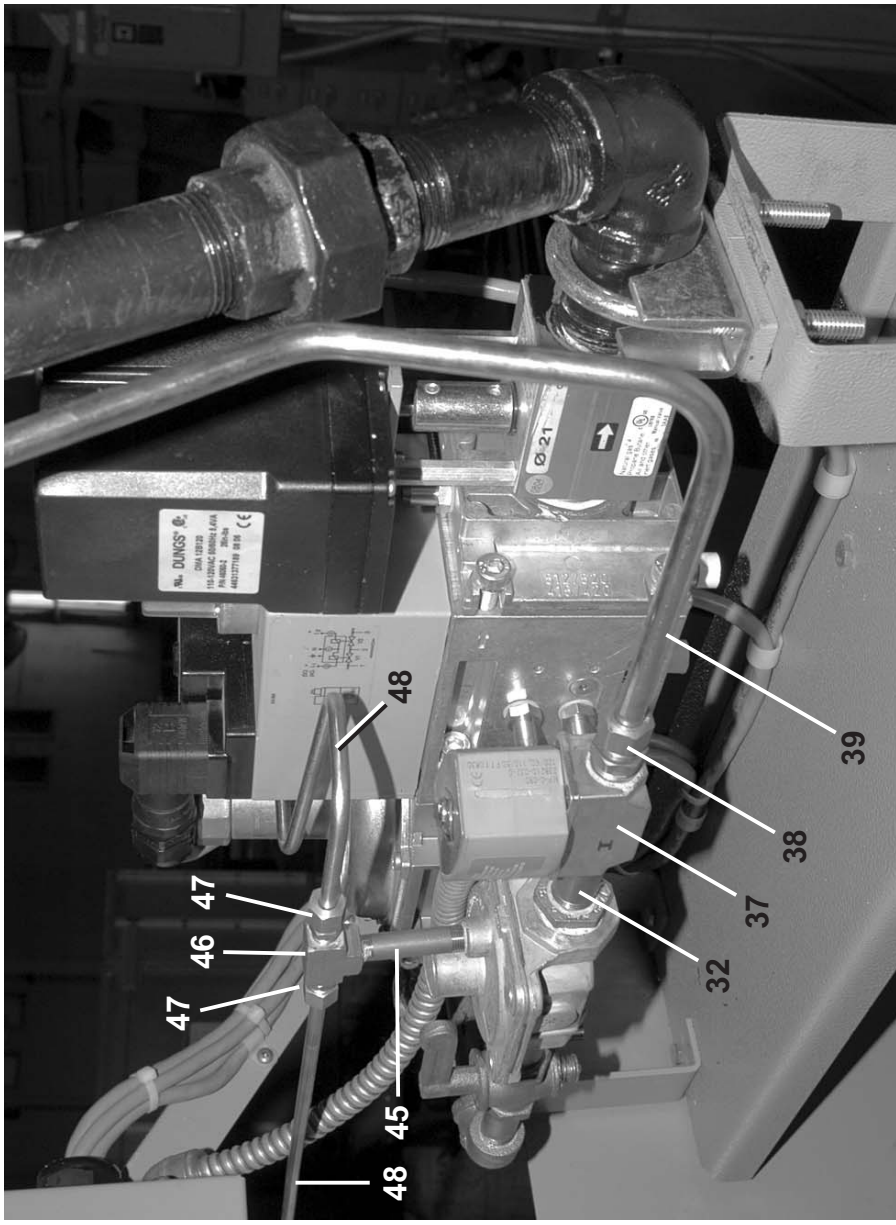
5040TG2R SHOWN





Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.





Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

Parts List—Gas Piping, CSA and Europe
Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			-----ASSEMBLIES-----	
	A	A74VG015	5040 GAS TRN VERT SECT=CSA	5040TG2L/R, 5050TG1L/R
	B	A74VG011	5040 GAS TRAIN ENTRY SECTION	5040TG2L/R, 5050TG1L/R
	C	A74VG014	5040 2V NOVENT-CSA BLW RITE	5040TG2L/R, 5050TG1L/R
	D	A74VG014A	5040 2V NOVENT-CSA BLW LEFT	5040TG2L/R, 5050TG1L/R
	E	A74VG013	5040 PILOT GAS PIPE	5040TG2L/R, 5050TG1L/R
			-----COMPONENTS-----	
all	1	5N1A07AF42	NPT NIPPLE 1X7 TBE BLKSTL S	
all	2	5S1AMFA0G	NPT TEE 1X1X3/8" BLKMAL 150#	
all	3	5N1ACLSF42	NPT NIP 1X CLS TBE BLKSTL SK40	
all	4	A74VG009	1.0" VALTRAIN 1MILBTU LT TO RT UL795/CSA	RIGHT
all	4	A74VG009A	1.0" VALTRAIN 1MILBTU RT TO LT UL795/CSA	LEFT
all	5	96SD010	FRI712 GAS PRESS/REG #D230475	
all	6	96SD011	FRI MOUNTING KIT #D219968	
all	7	96SD020	DMV-DLE 702/6 DUAL VALVE	
all	8	96SD003	1"NPT FLANGE ONLY #D222369	
all	9	96SD014	VISUALVAL POSINDIC #217-665	
all	10	96SD015	GAO-A2-4-5 HI&LO GASPRESSWITCH	
all	11	96SD016	MTGKIT FOR HI GAS PRESS SWITCH	
all	12	96SD005A	DMK 710/16 1"NPT BUTTERFLY 21M	
all	13	96SD018	DMA 12B120 ACTUATR 12 SEC TIME	
all	14	96SD008	G 1/8"TEST NIPPLE #D219008	
all	15	51T311	FLAMEARREST VNTSCREEN.375BRASS	
all	16	12M043F050	LIQTITE 1/2" STR. FITTING	
all	17	09V290A	CABLE #18/4 SJTO 7/16"OD 250'	
all	18	12M043F100	LIQTITE 1" STR. FITTING	
all	19	12M036L	1/2" 90-DEG SHORT ELLS	
all	20	5N1A02KG41	NPT NIP 1X2.5 TOE GALSTL SK40	
all	21	5SL1AMFA	NPT ELBOW 90DEG 1" BLKMAL 150#	
all	22	5N1A03KF42	NPT NIP 1X3.5 TBE BLK STL SK40	
all	23	5SU1AMF	NPT UNION 1" BLKMAL 150#	
all	24	5N1A05AF42	NPT NIPPLE 1X5 TBE BLKSTL S	
all	25	96G100C	1"GAS STOP VAL NON LUBE - SMG SERIES 400	

Used In	Item	Part Number	Description	Comments
all	26	5N1A38AF82	NPT NIP 1X38 TBE BLKSTL SK80	
all	27	5SL1KMFA1A	NPT ELB 90DEG 1.5X1 BLKMAL150#	
all	28	5N1K05AF42	NPT NIP 1.5X5 TBE BLKSTL SK40	
all	29	5SB2A1KCEO	NPTHEXBUSH 2X1.5 BLKCI 125#	
all	30	5N0K03KB42	NPT NIP 1/2X3.5 TBE BRASS STD	
all	31	5SL0KBEA0G	NPTELB 90DEG 1/2X3/8 BRASS 125	
all	32	5N0G02ABE2	NPT NIP 3/8X2 TBE BRASS STD	
all	33	96G030	3/8GAS STOP VAL W/CKLEVER HDL-CONBRACO # 51-107-01	
all	34	5SR0K0GBE	NPT RED 1/2X3/8 BRASS 125#	
all	35	96J507	1/2"INLET GASREG LEVER ACTING 7"W.C-MAXITRL	
all	37	96TCC2BA37	3/8" N/C 2WAY 120V50/60C VALVE	
all	38	53A026	BODYMALECON3/8X3/8 #68C-6-6B	
all	39	87Z010	TUBE 3/8"ODX.035" SS304 *20RM	
all	40	53A023	MALECON3/8X.25COMP ANCHR#68-64	
all	41	96G037AGA	1/4X1/4 GAS COCK VALVE W/T-HDL # 55-302-01	
all	42	51V015	TEE 1/4 FGDBRASS 101T7-444	
all	45	5N0C03ABE2	NPT NIP 1/8X3 TBE BRASS STD	
all	46	51V010A	TEE 1/8"BRSEXTR BLOCTYP#2203P2	
all	47	53A005B	BODYMALCON1/4X1/8COMP #B68A-4A	
all	48	87Z00EX035	TUBE=1/4"ODX.035WL 316LSS*20RM	
all	50	53A031XB	BODY-EL90MALE.25X25 #269C-4-4B	
all	52	5SLOEBEC	NPTELB 90DEG STRT 1/4 BRASS125	
all	53	5SCC0EBE	NPT COUP 1/4 BRASS 125# W/HEX	
all	54	5N0GCLSBE2	NPT NIP 3/8XCLS TBE BRASS STD	

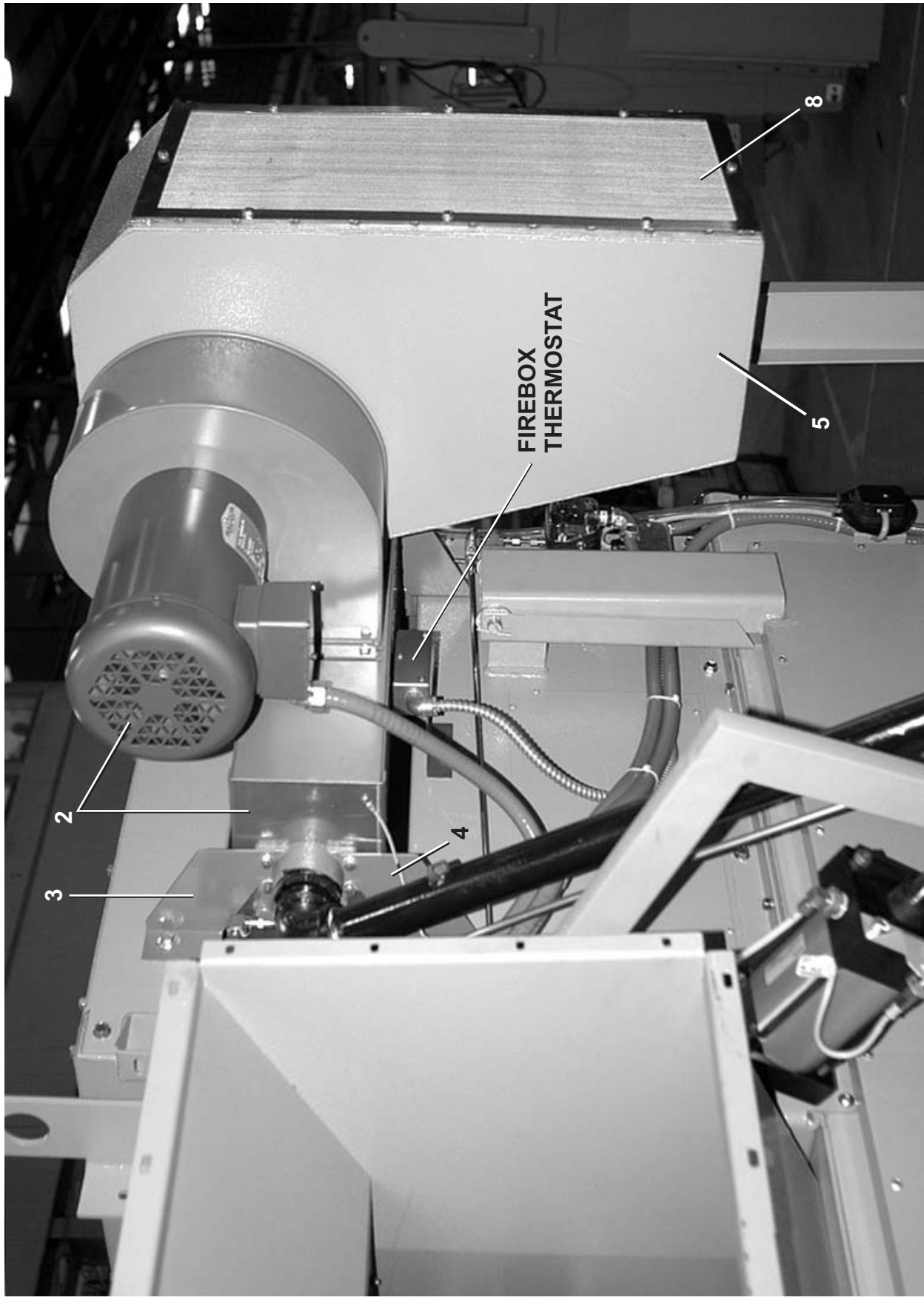
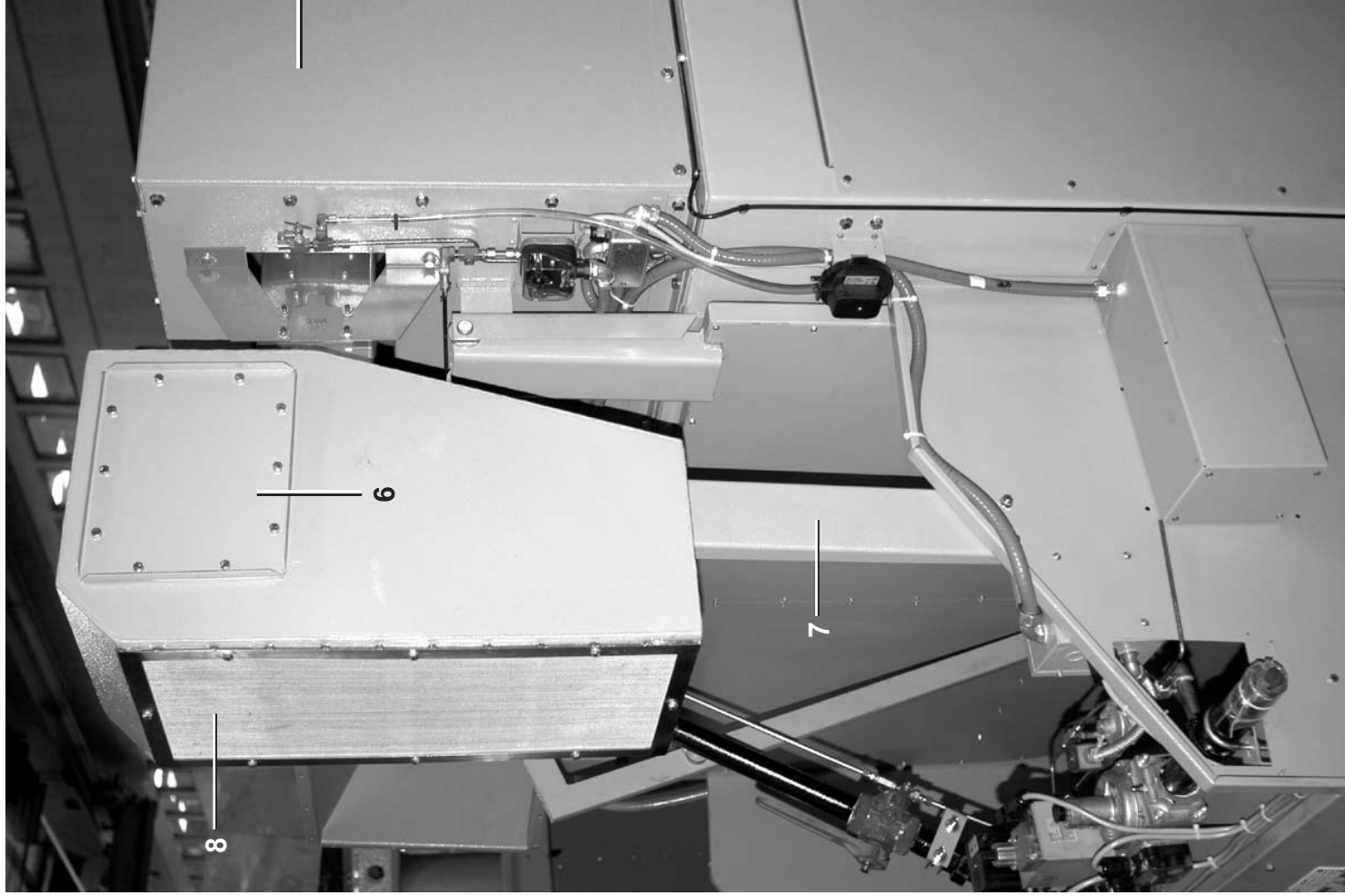
Firebox, Burner & Combustion Air
5040TG2R, TG2L 5050TG1R, TG1L

BMP100013/2012114B
 (Sheet 1 of 3)



Pellerin Milnor Corporation
 P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.



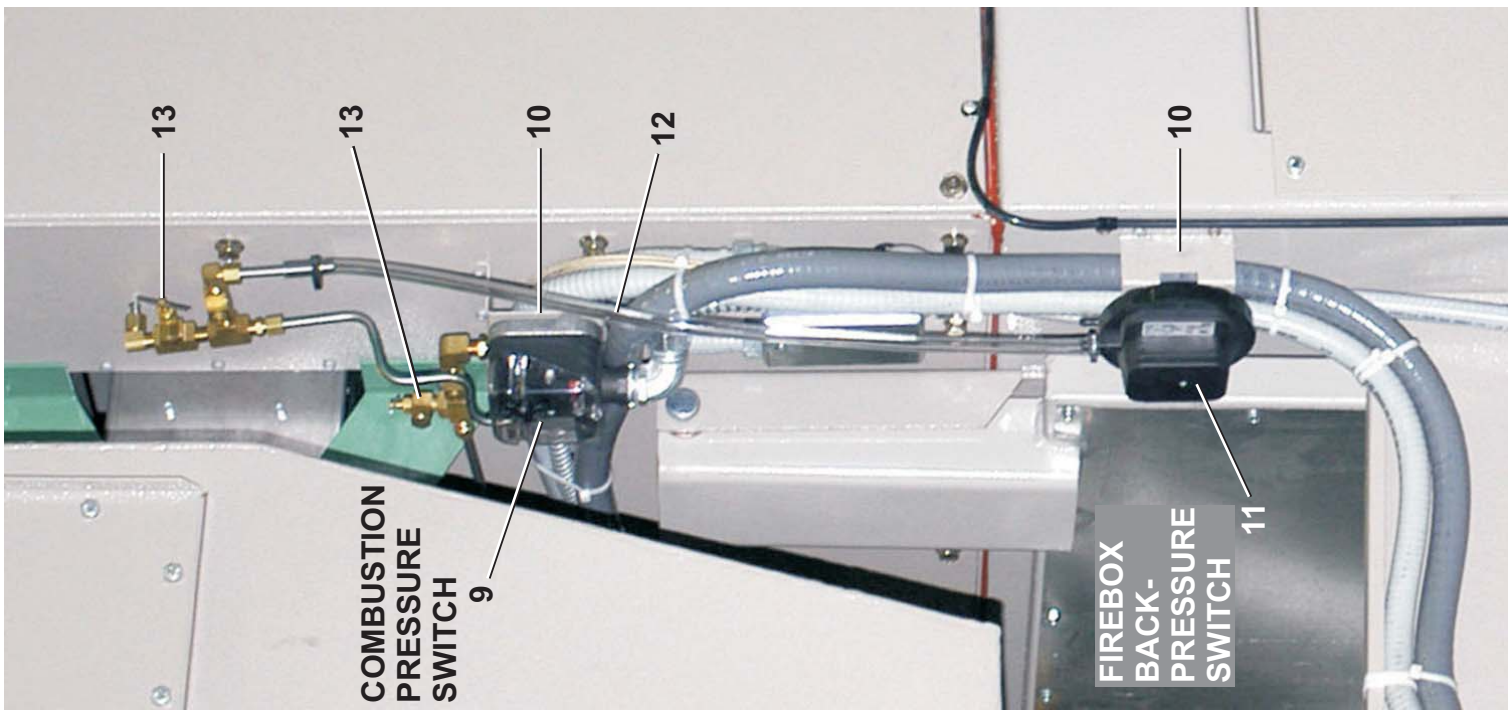
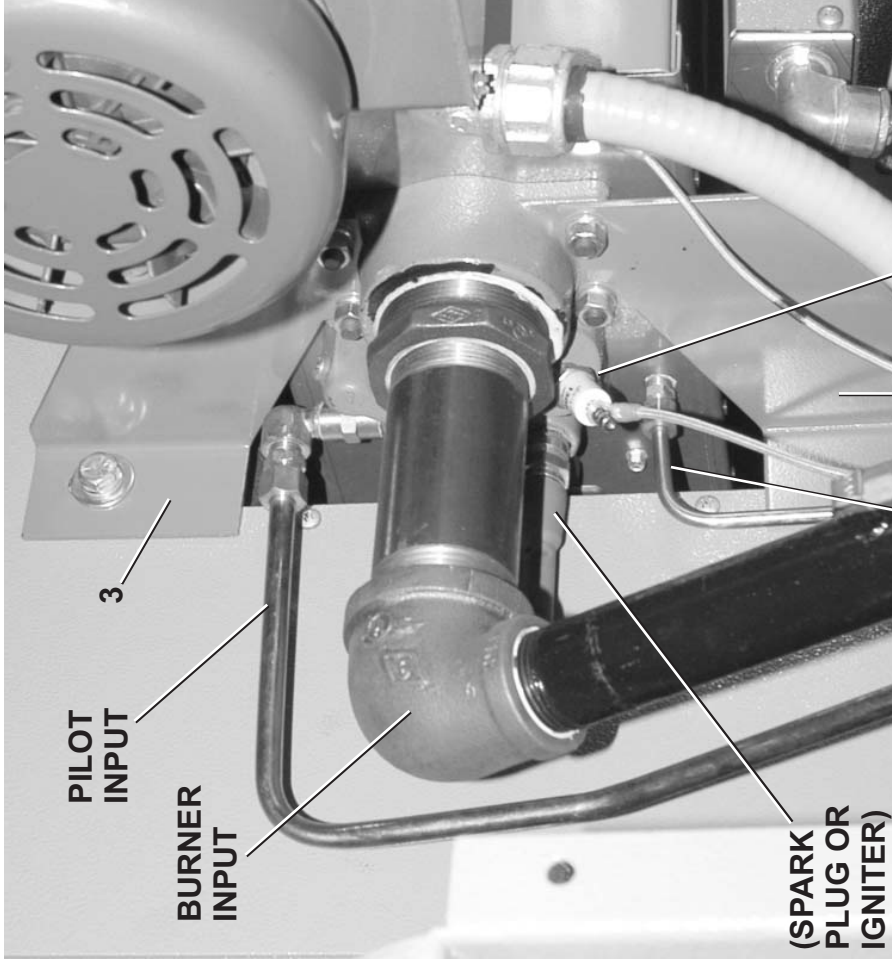
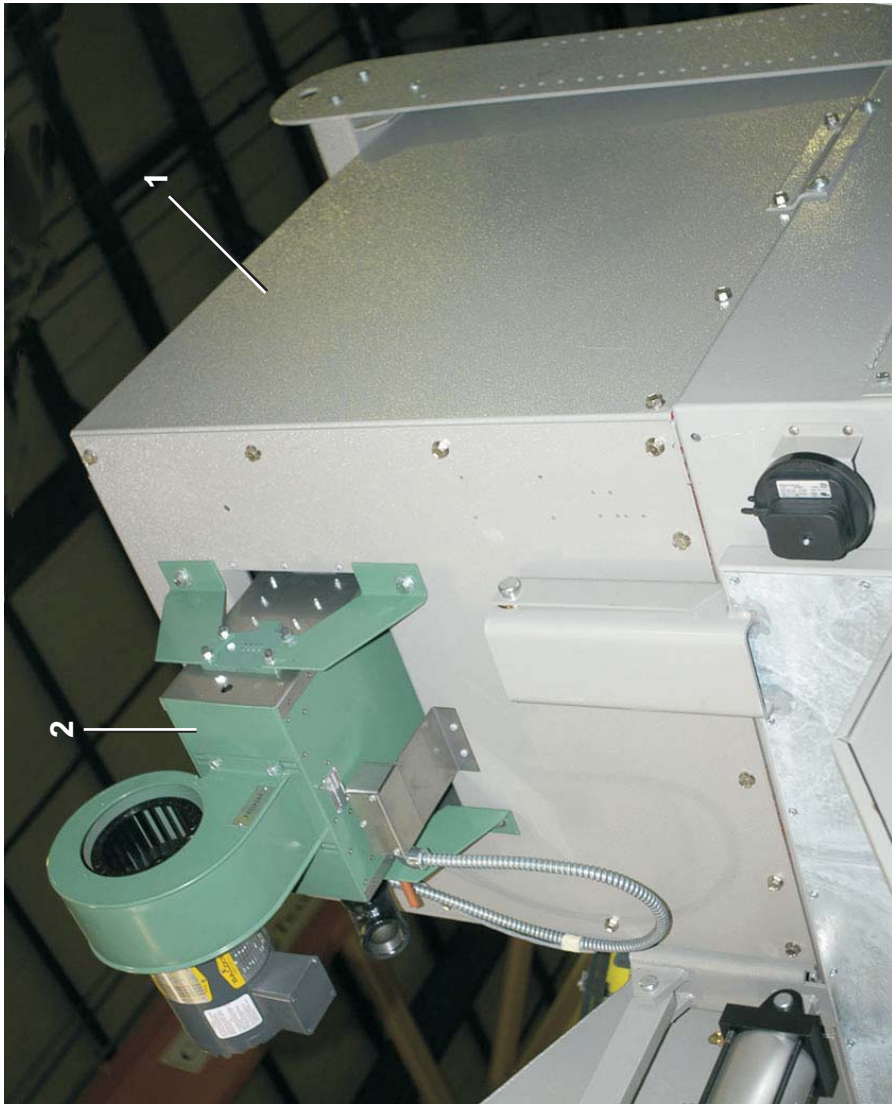
FIREBOX
 THERMOSTAT

(6458 DRYER SHOWN, SEE PARTS LIST FOR 5040 DRYER PARTS)



Pellerin Milnor Corporation
 P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.





Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

Parts List—Firebox, Burner, Combustion Air

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
-----ASSEMBLIES-----				
	A	A74FB005	5040 BURNER ASSEMBLY	5040TG2L/R 5050TG1L/R
	B	A74CP001	5040 COMB. PRES. SW. ASSY	5040TG2L/R 5050TG1L/R
-----COMPONENTS-----				
all	1	A74FB004	5040 FIREBOX ASSEMBLY	BLOWER LEFT
all	1	A74FB004A	5040 FIREBOX ASSY RIGHT	BLOWER RIGHT
all	2	25AB241	BURNER/BLOWERWHEEL MODEL 80AH	
all	3	07 71067	6458 BURNER SUPP BKT TOP LF	
all	4	07 71067A	6458 BURNER SUPP BKT TOP LF	
all	5	A74FB006	5040 FIREBOX FILTER BOX L	BLOWER LEFT
all	5	A74FB006A	5040 FIREBOX FILTER BOX R	BLOWER RIGHT
all	6	07 71014	COVER=CLEAN OUT 6458COMB AIR	
all	7	07 71015	COMB AIR MOUNT	BLOWER LEFT
all	7	07 44164	5040 COMB AIR MNT RIGHT	BLOWER RIGHT
all	8	W7 71035	WLMT=6458 COMB AIR SCREEN	
	9	09N19106B	GAS PRESS SW RANGE .2-2.4"WC	U.S.
	9	09N19106C	GAS PRESS SW RANGE .2-2.4"WC=CE	CE (EUROPE)
all	10	03 BL3X4	PRESSURE SWITCH BRACKET 6458	
	11	09N19111	AIR PRESSW RANGE .08-.4	U.S.
	11	09N19111A	AIR PRESSW RANGE .08-.4 CE	CE (EUROPE)
all	12	60E005D	TUBING 1/4"IDX7/16"OD EXCELLON	
all	13	96H018	ANGLE NEEDLE VLV 1/4"T X 1/8MP	
all	14	87Z00EX035	TUBE=1/4"ODX.035WL 316LSS*20RM	

Steam Assemblies

8

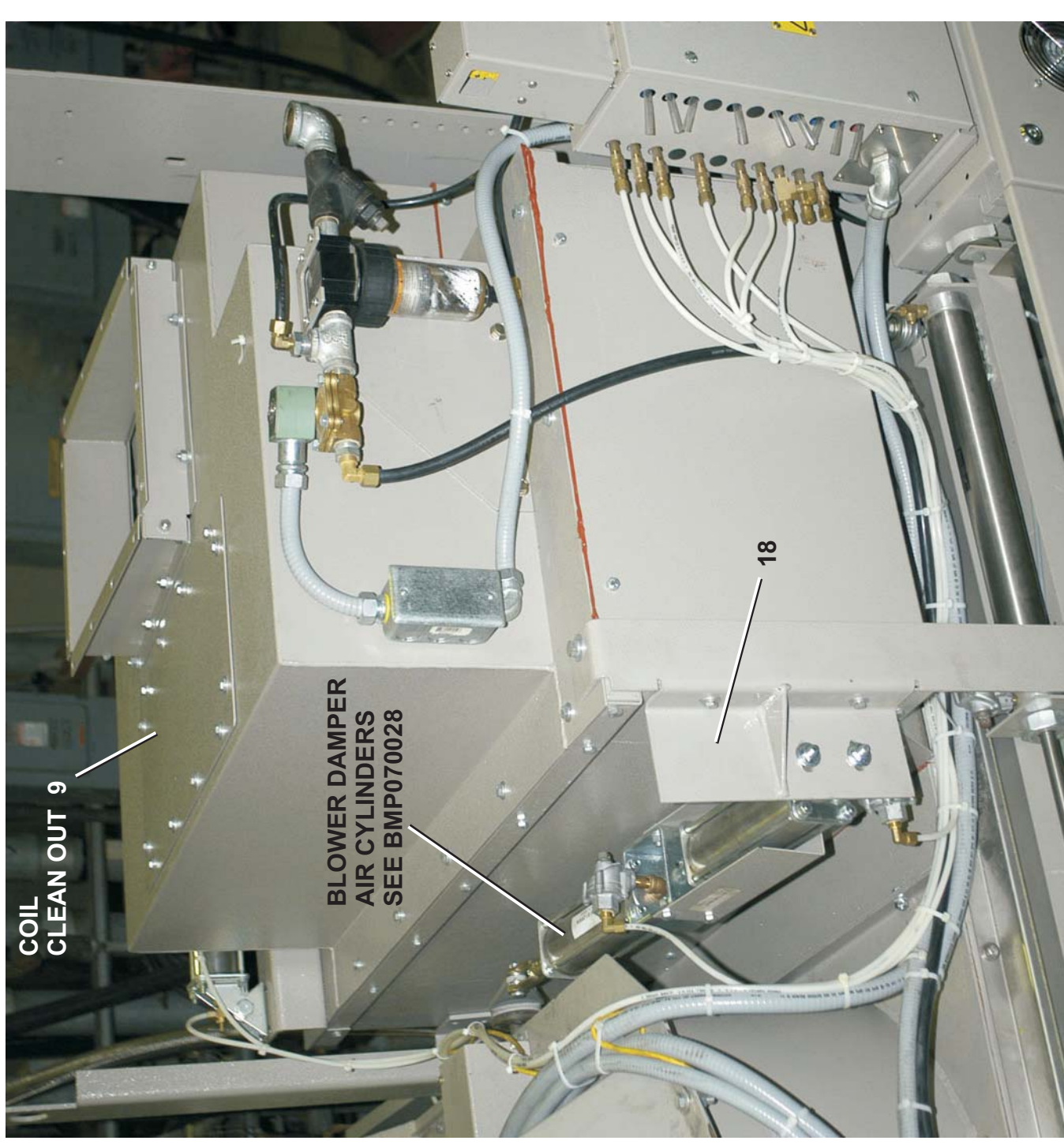
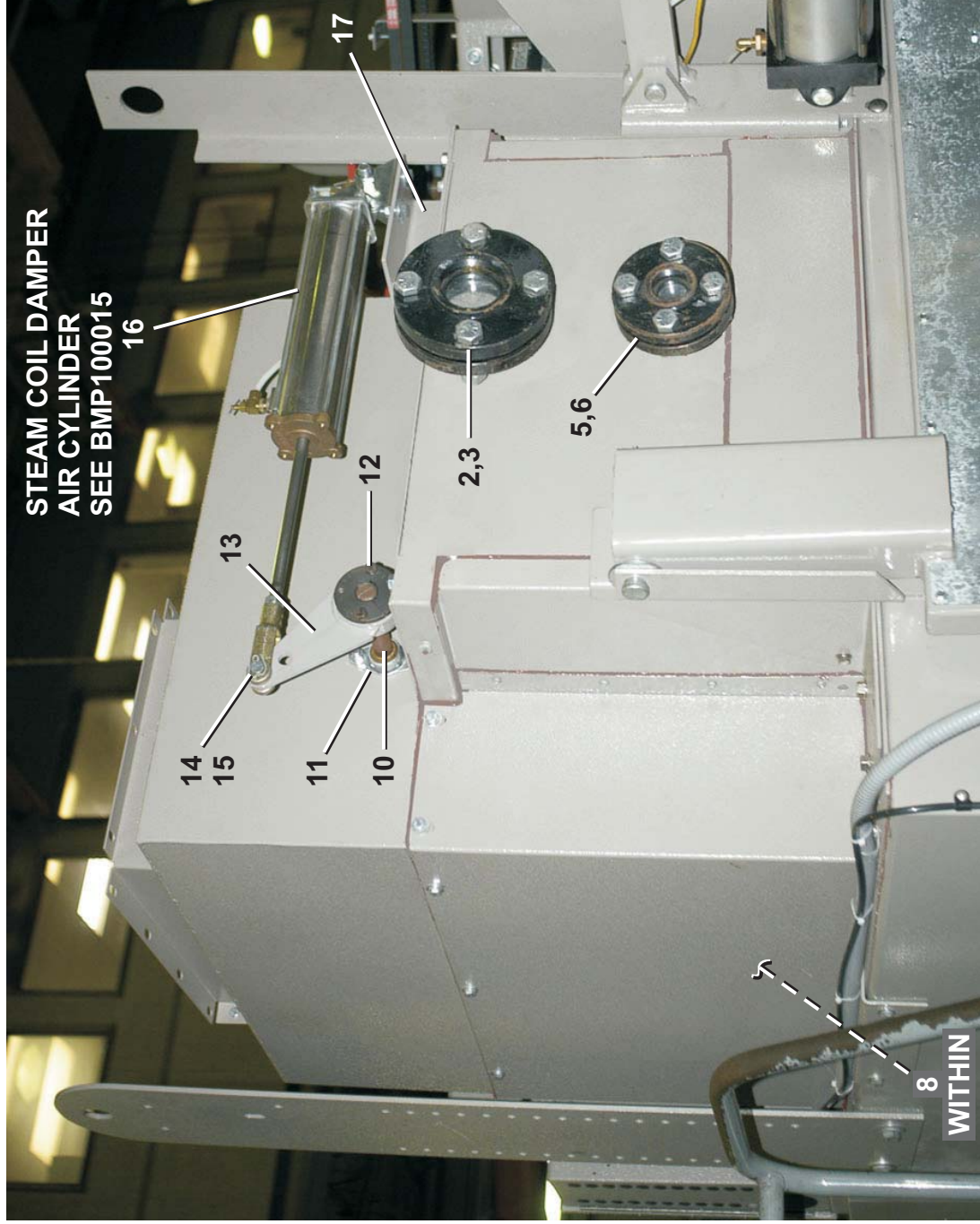
Steam Coil & Installation
5040TS2L, 5040TS2R

BMP100014/2010095B
(Sheet 1 of 2)



Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.



Steam Coil & Installation

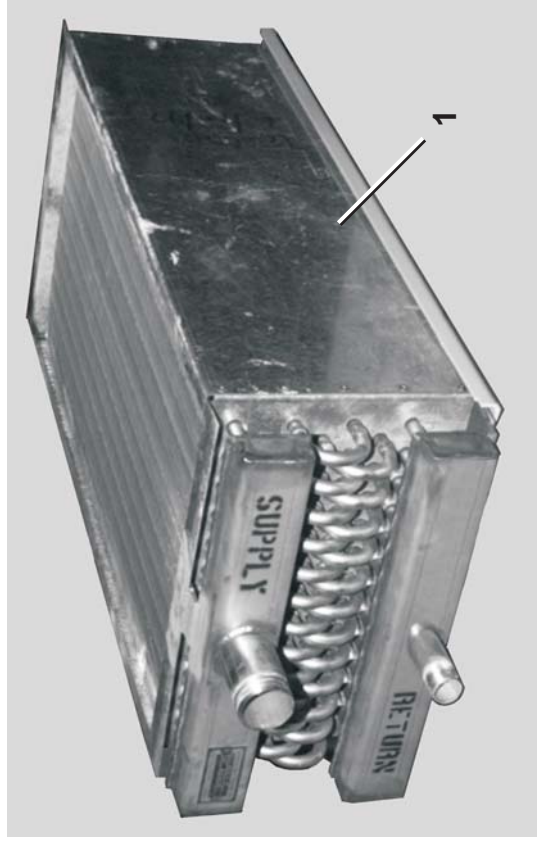
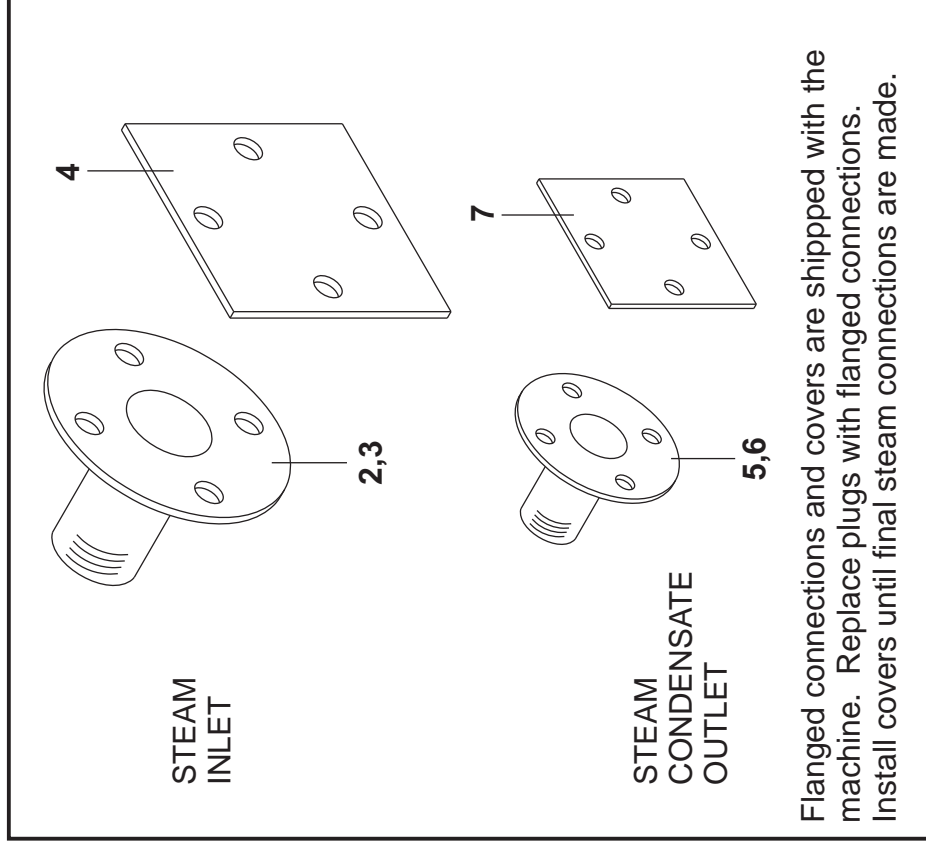
5040TS2L, 5040TS2R

BMP100014/2010095B
(Sheet 1 of 2)



Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.



Parts List—Steam Coil & Installation

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			-----ASSEMBLIES-----	
A		A74SB001	5040 STEAMBOX ASSY LEFT	5040TS2L
B		A74SB001A	5040 STEAMBOX ASSY RIGHT	5040TS2R
			-----COMPONENTS-----	
All	1	27HS1936C	STEAMCOIL 19.5X34.5 .049 CARBN	
all	2	51KE2ANA	NPTFLANGE 2"CS 150#RAISED FACE	
all	3	51KE2ANGAK	2X6 STEAM FLANGE GASKET	
all	4	07 40609	STEAM COIL UPPER PLUG	
all	5	51KE1ANA	NPTFLANGE 1"CS, 150#RAISEDFACE	
all	6	51KE2ANAG	GSKT-1"FLANGE-1 5/16X 2 5/8	
all	7	07 40608	STEAM COIL INLET PLUG	
all	8	98P030	INSUL.FIBRGLS.24X48X1+1/2E=1SH	
all	9	07 44198F	5040 STEAMBOX ACCESS COVER	
A	10	W7 44200	5040 STEAMBOX DAMPER LF	
B	10	W7 44200A	5040 STEAMBOX DAMPER RT	
all	11	54E015	FLGMBTRG 3/4 BORE BRZ #FLB12	
all	12	56Q0PH	3/4" BUSH VPUL TYPE H,D, OR QT	
all	13	W7 71098	6458 BLOWER DAMPER ARM WELD	
all	14	17A040	CLEVIS PIN 1/2"X1+3/8" DRILLED	
all	15	15H051	STDCOTTERPIN 1/8X1+1/2ZINCPL	
all	16	A40 01800	* AIRCYL,2-WAY =52DRYELL	
A	17	07 44211	5040 STEAMBOX AIRCYL BRKT LF	
B	17	07 44211A	5040 STEAMBOX AIRCYL BRKT RT	
A	18	W7 44220	5040 STEAM MAIN AIR SUPPORT LF	
B	18	W7 44220A	5040 STEAM MAIN AIR SUPPORT RT	

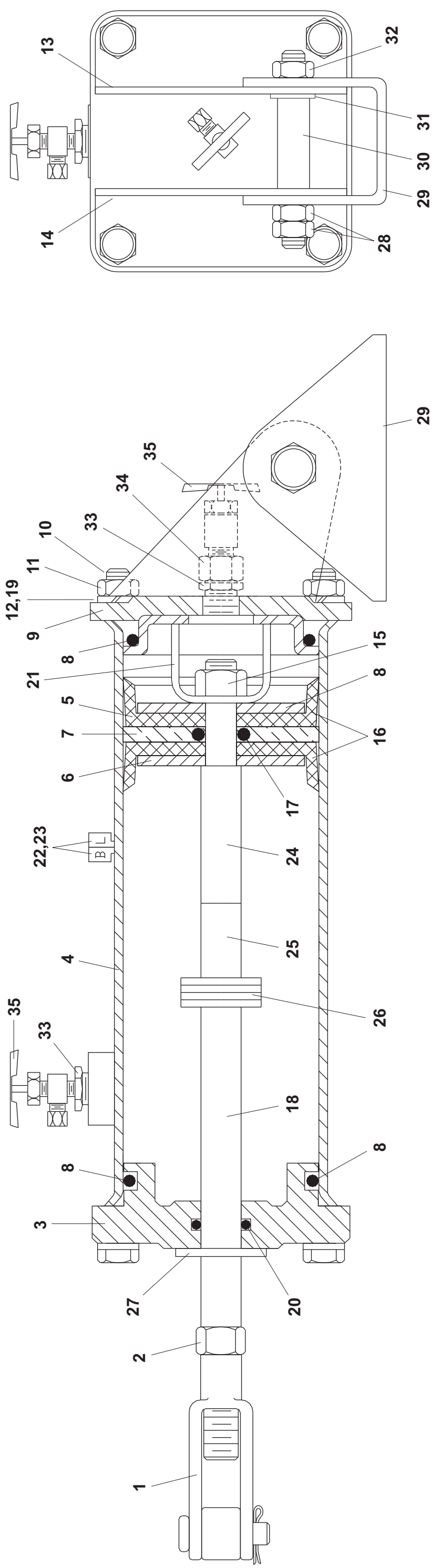
Steam Coil Damper Air Cylinder, 2-Way
5040TS2L/R, 5050TS1L/R

BMP100015/2012114B
 (Sheet 1 of 2)



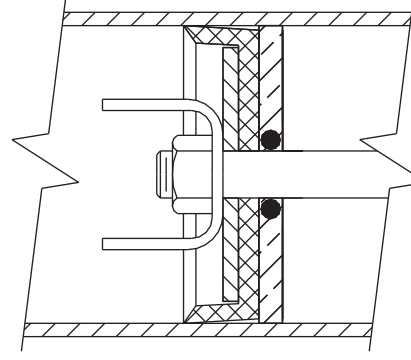
Pellerin Milnor Corporation
 P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

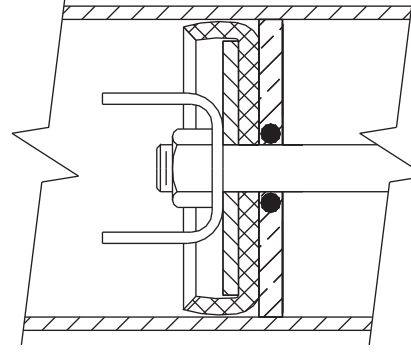


PISTON CUP WASHER INSTALLATION:

WHEN INSTALLING PISTON CUPS
 TIGHTEN NUT UNTIL IT IS JUST
 BARELY POSSIBLE TO TURN THE PISTON
 CUP AND WASHER ASSEMBLY, AFTER
 TIGHTENING PISTON CUP SHOULD APPEAR
 AS SHOWN IN DETAIL "A".



DETAIL "A"



DETAIL "B"

TIGHTENING THE NUT TOO TIGHT
 CAUSES THE PISTON CUP TO EXTRUDE
 TO THE SHAPE SHOWN IN DETAIL "B"
 AND MAY CAUSE PISTON TO BIND IN
 CYLINDER.

NOTE: NUT IS SELF-LOCKING AND DOES
 NOT NEED TO BE DRAWN TIGHT TO LOCK
 ON AIR CYLINDER.



Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

Used In	Item	Part Number	Description	Comments
	A	A40 01800	* AIRCYL,2-WAY =52DRYELL	5040TS2L/R 5050TS1L/R
			-----ASSEMBLIES-----	-----
			-----COMPONENTS-----	-----
all	1	17A020	ADJ CLEVIS MACHINED 1/2-13 ZIN	
all	2	15G231	HXFINJAMNUT 1/2-13UNC2B ZINC G	
all	3	02 18660	CYLHEAD BRASS-DRILL AND TAP	
all	4	W3 06315A	* AIRCYL=52 DRYELL	
all	5	02 02194	PISTON CUP=DUMPVALVE 2+3/8"	
all	6	02 02085	UP WASHER=2"OD=PISTON CUP	
all	7	02 02105B	2.38"ACYL BRASS PISTONCUP WSHR	
all	8	60C132	ORING 2"IDX3/16CS BUNA70 #329	
all	9	02 02101	CYLHEAD W/TAPPED HOLE	
all	10	03 06314	TIEROD=AIR-CYL ACTUATOR-ZINC	
all	11	15G185	HXNUT 5/16-18UNC2B SAE ZINC GR	
all	12	15U210	LOKWASHER MEDIUM 5/16 ZINCPL	
all	13	02 02550	BRKT=AIRCYL-RIGHT ZINC/CAD	
all	14	02 02547	BRKT=AIRCYL-LFT ZINC/CAD	
all	15	15G220	NUTLOK THINX 3/8-24 SS/NYL	
all	16	02 02185	WASHER=PISTON CUP COMP LIMIT	
all	17	60C106	ORING 5/16ID 1/16CSBUNA70#011	
all	18	03 06313	STEM=AIR CYL 304SS	
all	19	15U185	FLATWASHER(USS STD) 1/4" ZNC P	
all	20	60C110	ORING 1/2IDX3/32CS BUNA70 #112	
all	21	03 01313	STOP=AIR CYL W/2+11/16STROKE	
all	22	20L601B	ID TAG NAT'L#1614 ALUM EMB "B"	
all	23	20L601U	ID TAG NAT'L#1614 ALUM EMB "U"	
all	24	27B250	SPCROLL.5ID1.5L.062T STLZNC	
all	25	27B240	SPCROLL.5ID.813L.062T STLZNC	
all	26	15U243	FLTWASHER 7/8ODX33/64IDX16GA Z	
all	27	17B012	EXTRETRING IND#1000-50-ST-ZD Z	

Used In	Item	Part Number	Description	Comments
all	28	15G235F	HXFNJAMNUT 9/16-12UNC2B ZINC G	
all	29	02 02556	SUPPORT=AIRCYL 12GA ZINC PLT	
all	30	27B2750LOT	SPC RROLL.562ID.937L.048T ZNK	
all	31	15U311A	FLTWASHER9/16 ASME/B18.22.1TYP	
all	32	15K206	HEXCAPSCR 9/16-12X2.5 ZC GR5	
all	33	5SB0E0CBEO	NPTHEXBUSH 1/4X1/8 BRASS 125#	
all	34	51A001	ADAPTER 1/8 PT BRASS	
all	35	96H018	ANGLE NEEDLE VLV 1/4" T X 1/8MP	

Water Assemblies

9

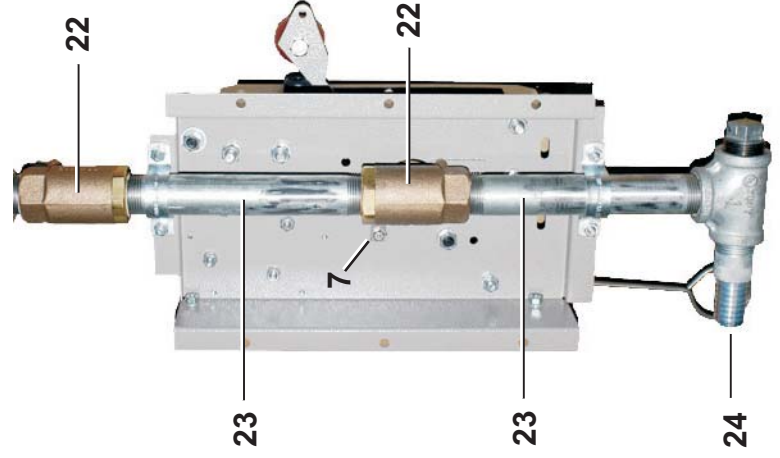
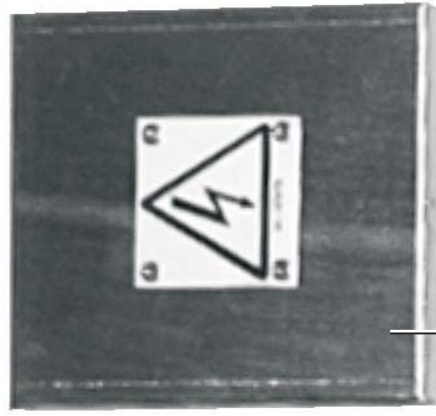
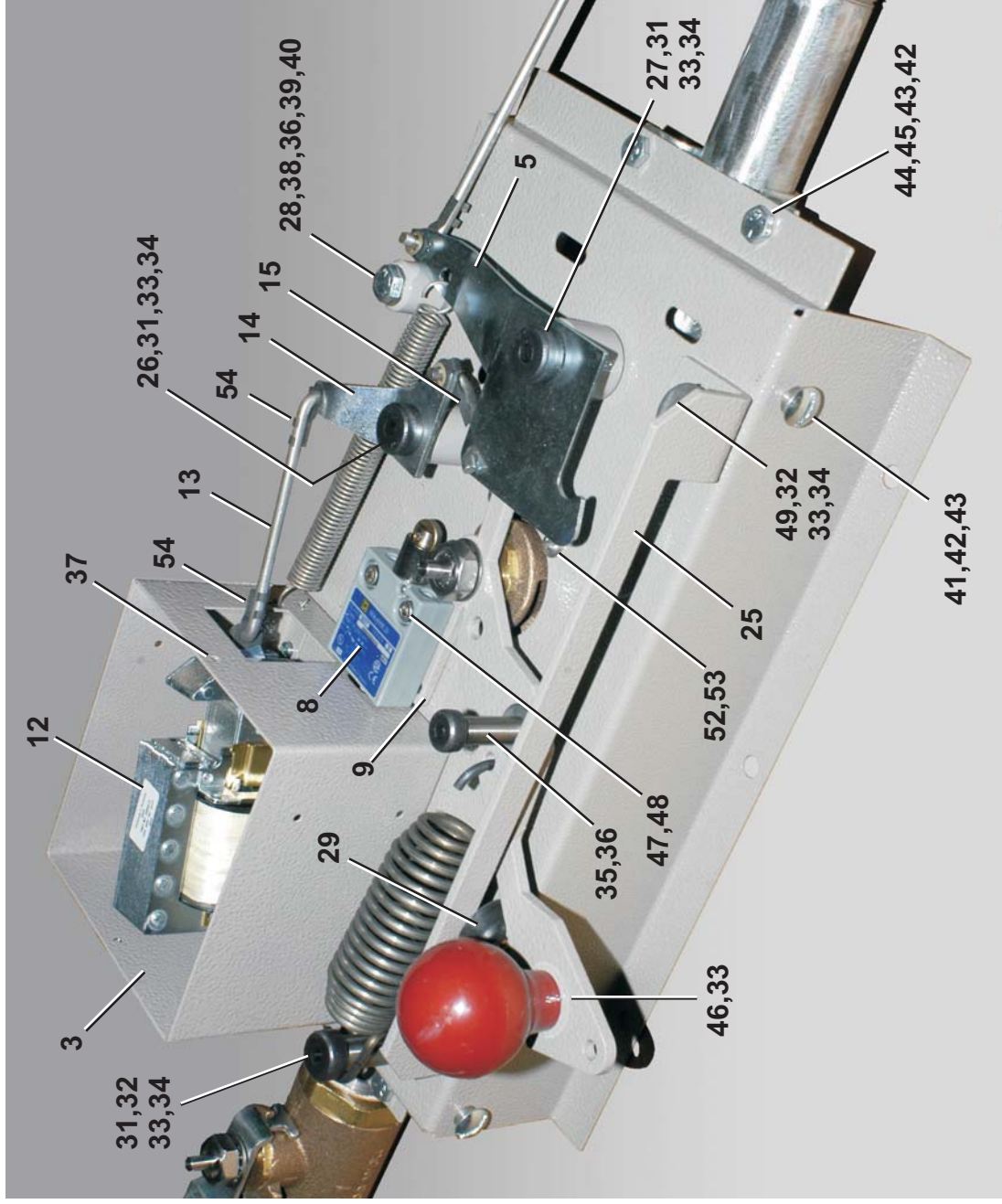
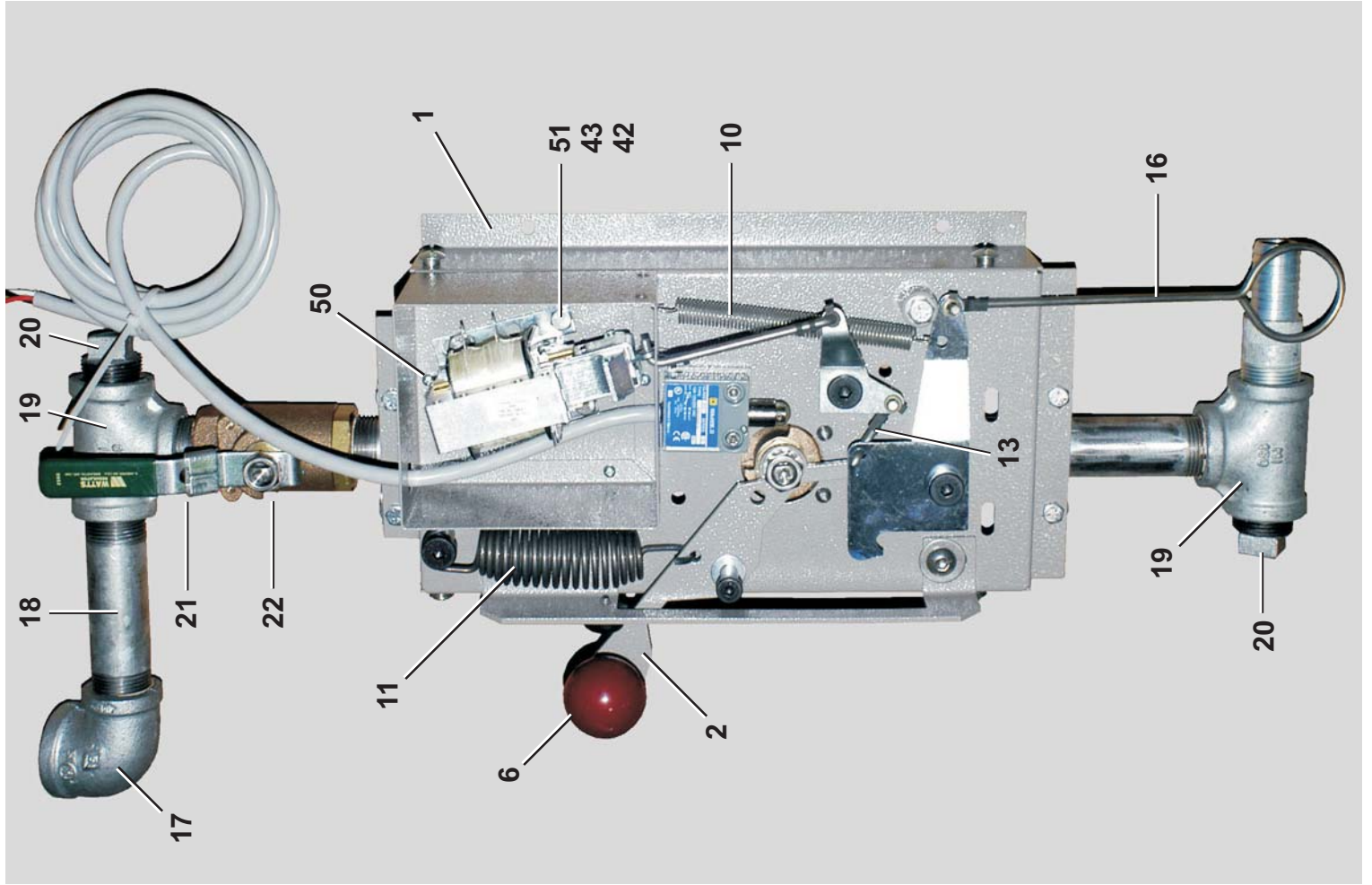
Sprinkler Assembly All Dryers

BMP100017/2010096B
(Sheet 1 of 2)



Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.





Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

Used In	Item	Part Number	Description	Comments
	A	A77SM005	ASSY=SPRINKLER 6458 LEFT	
			ASSEMBLIES-----	
			COMPONENTS-----	
all	1	07 50276A	SPRINKLER BASE PLATE MOD	
all	2	07 50277A	SPRINKLER HANDLE-STAMPING	
all	3	07 50278A	SOLENOID BOX=SPRINKLER MOD	
all	4	07 50280	COVER FOR SOLENOID BOX	
all	5	07 50281	LATCH ARM FOR SPRINKLER	
all	6	12P100	BALLKNOB RD PLASTIC DAVIES#45H	
all	7	07 50449	MICROSWITCH BACKPLATE	
all	8	09RM01209S	CAPSW 9FT 180DEG ROLLER SILVER	
all	9	07 50285	SWITCH MOUNT SPACER PLATE	
all	10	07 50293	SPRING.500 0DX4.00LGX.049EXT	
all	11	00 06102B	SPRING=1.35 O.D/4.49 LONG	
all	12	09K061D	SOLENOID 120V 60C #8940	
all	13	07 50401	SOLENOID LINKAGE ROD	
all	14	07 50402	TRIP LINK FOR SPRINKLER	
all	15	07 50400	LATCH ARM LINKAGE ROD	
all	16	07 50436	MANUAL TRIP HNDL 8.75" LONG	
all	17	5SL1ENFA1A	NPTLNB 90DEG 1.25X1 GALM 150#	
all	18	5N1A05AG42	NPT NIPPLE 1X5 TBE GALSTL SK40	
all	19	5S1ANFA	NPT TEE 1" GALMAL 150#	
all	20	5SP1ADESC	NPT PLUG 1" SQ CORED GAL CI	
all	21	5N1ACLSG42	NPT NIP 1XCLS TBE GALSTL SK40	
all	22	96D085WEXS	BALVAL 1"BRZWATTB6400SSZ1070SP	
all	23	5N1A08AG42	NPT NIP 1X8 TBE GALSTL SK40	
all	24	51E099SP	DIXON1"KINGCOMBIP PLTD.#STC10	
all	25	07 50860	+SPRINKLER RESET HANDLE STOP	
all	26	07 50299	DRYER SPRINKLER SPACER	
all	27	07 50300	.884 LONG SPRINKLER SPACER	
all	28	07 50301	.75 LONG SPRINKLER SPACER	

Parts List, cont.—Sprinkler Assembly				
Used In	Item	Part Number	Description	Comments
all	29	60C001	RUBBER BUMPER-BLKWW/WASHER #698	
all	31	15C061	HXSOKSTRIPBLT 1/2X1X3/8-16	
all	32	15U240	FLATWASHER(USS STD) 3/8" ZNC P	
all	33	15U255	LOCKWASHER MEDIUM 3/8 ZINCPL	
all	34	15G205	HXNIUT 3/8-16UNC2B ZINC GR2	
all	35	15C048	HXSOKSTRIPBLT 3/8X1X5/16-18	
all	36	15U200	FLATWASHER(USS STD) 5/16"ZNC P	
all	37	15P002	TRDCUT-F PAN HD 6-32UNC2AX1/4"	
all	38	15K070	HXCAPSCR 5/16-18 UNC2A X1.5 GR	
all	39	15U210	LOKWASHER MEDIUM 5/16 ZINCPL	
all	40	15G185	HXNIUT 5/16-18UNC2B SAE ZINC GR	
all	41	15N162A	TRUSMACSCR 1/4-20UNC2AX1/2 ZIN	
all	42	15G165	HXNIUT 1/4-20UNC2BSAE ZC GR2	
all	43	15U180	LOCKWASHER MEDIUM 1/4 ZINCPL	
all	44	27A019	1"PIPESTRAP 2HOLE STAMPED GALV	
all	45	15K039	HXCAPSCR 1/4-20UNC2AX3/4 GR5 Z	
all	46	15K086D	HXCAPSCR 3/8-16 UNC2A X 7/8" 1	
all	47	15K021A	SOKCAPSCR 10-24UNCX1" LG S/S	
all	48	15G126	HXLOCKNIUT NYLON 10-24 UNC SS N	
all	49	15K091	BTNHDSOKCAPSCR 3/8-16NCX1 GR5	
all	50	15N036	PANMACHSCR SEM 6-32UNC2AX1/4 Z	
all	51	15K030	HEXCAPSCR 1/4-20UNC2X1/2 GR5 Z	
all	52	15N130	RDMACSCR 10-24UNC2A X 1/2 SS18	
all	53	15U150	LOCKWASHER MEDIUM #10 ZINCPL	
all	54	17N300	3/16" ROD CLIP 4L FMP#85303	

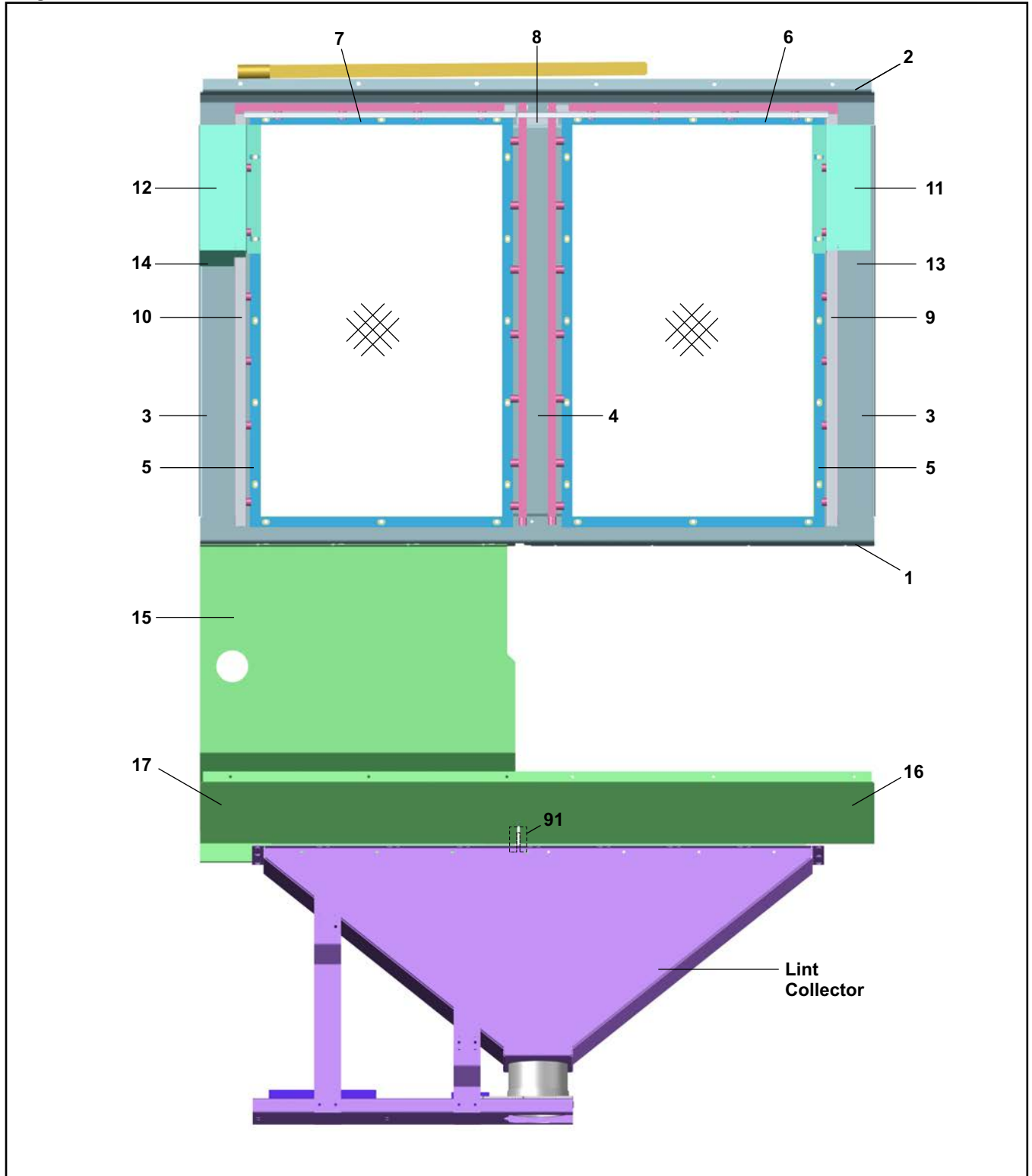
Pneumatic Assemblies

10

Internal Lint Screens

50040, 64058, 64064, 72072, 76076, 82082 Dryers

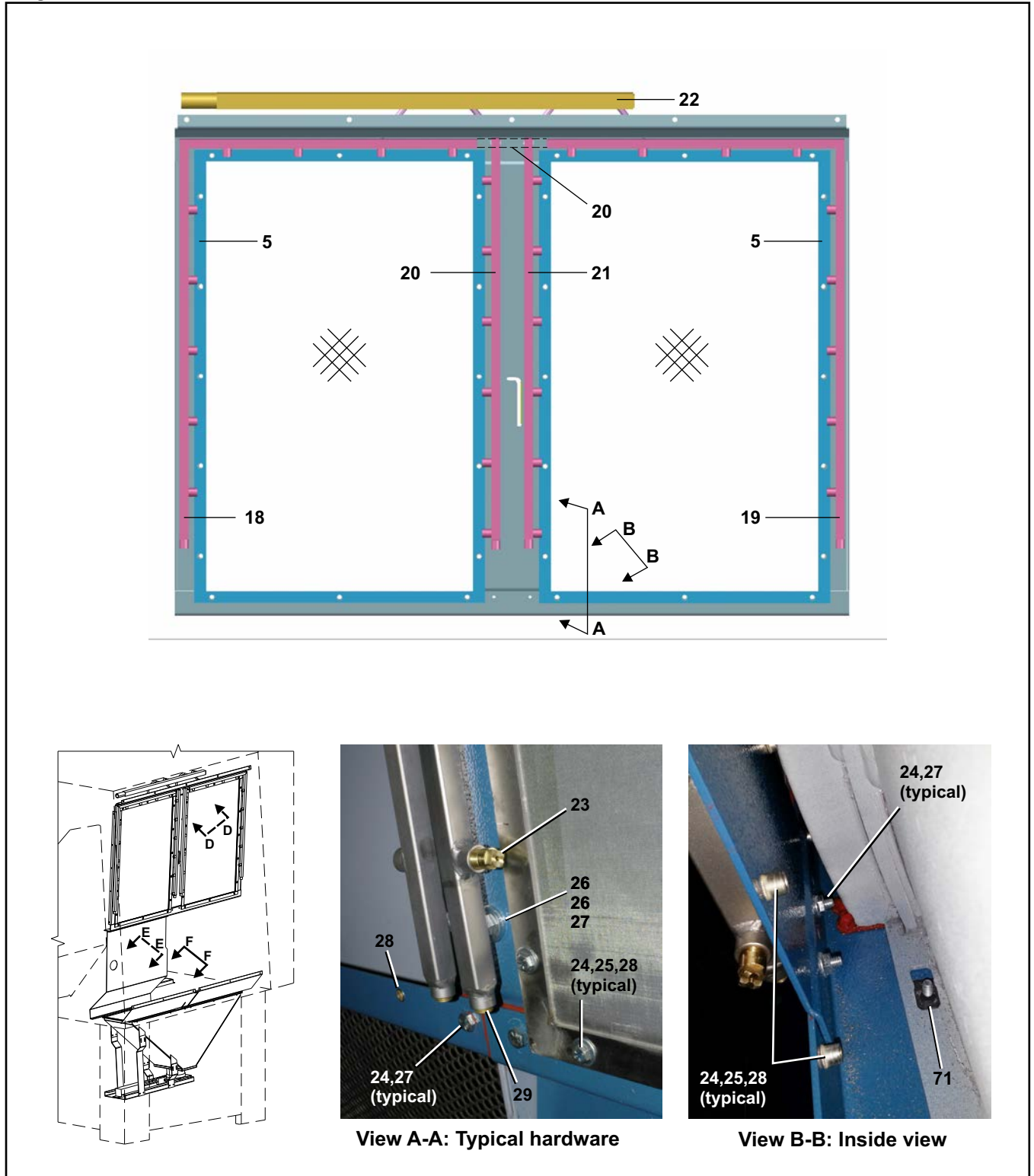
Figure 1: Installation Lint Screens



Internal Lint Screens

50040, 64058, 64064, 72072, 76076, 82082 Dryers

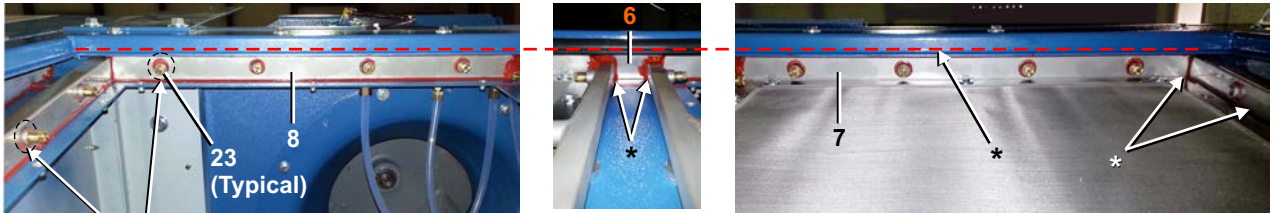
Figure 2: Air Nozzles, Hardware




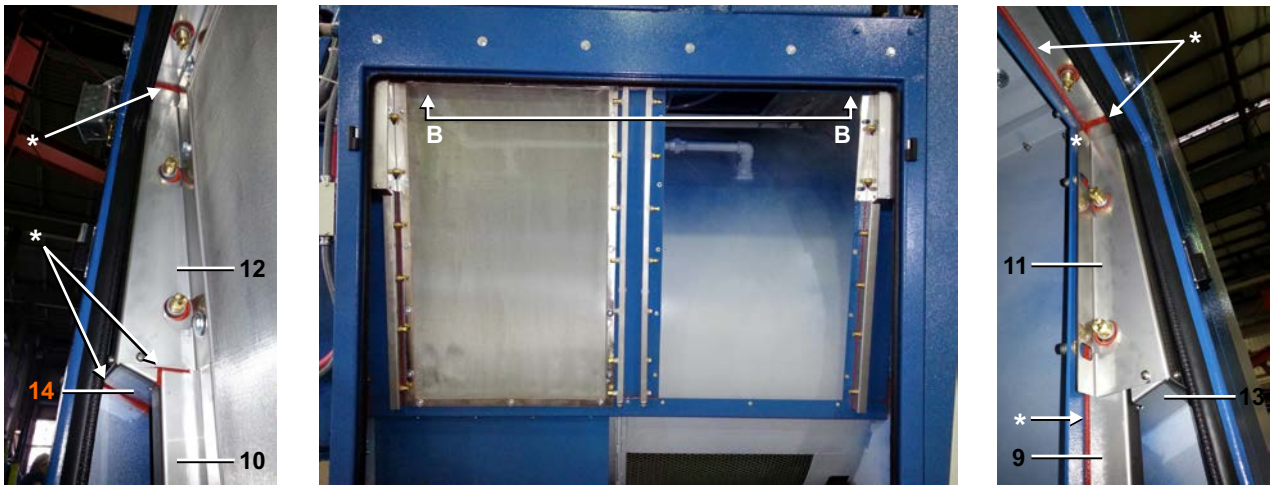
Internal Lint Screens

50040, 64058, 64064, 72072, 76076, 82082 Dryers

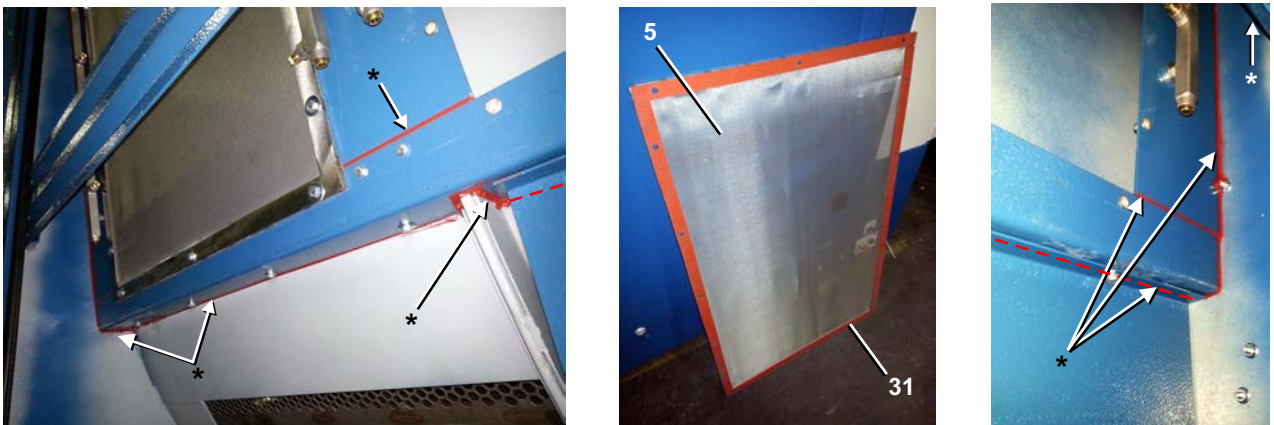
Figure 3: Silicone Sealing



 * Silicone washers (item 32) within. Adhered to manifold with silicone (item 33). (Typical 20 places)



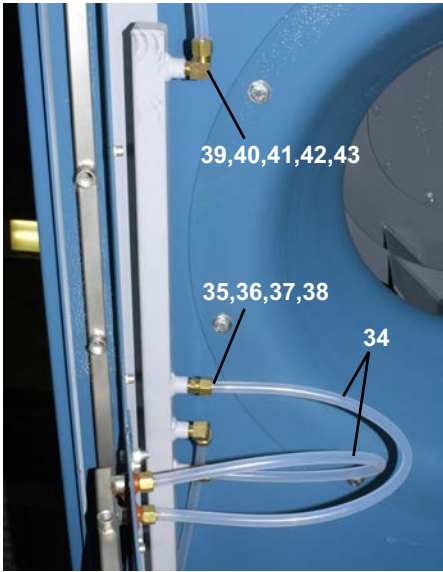
* Completely seal all seams And gaps with silicone (item 33) as shown.



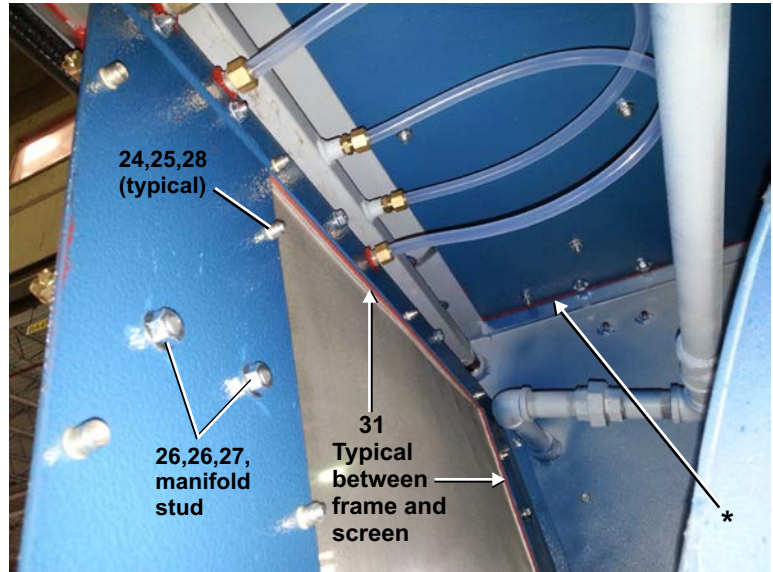
Internal Lint Screens

50040, 64058, 64064, 72072, 76076, 82082 Dryers

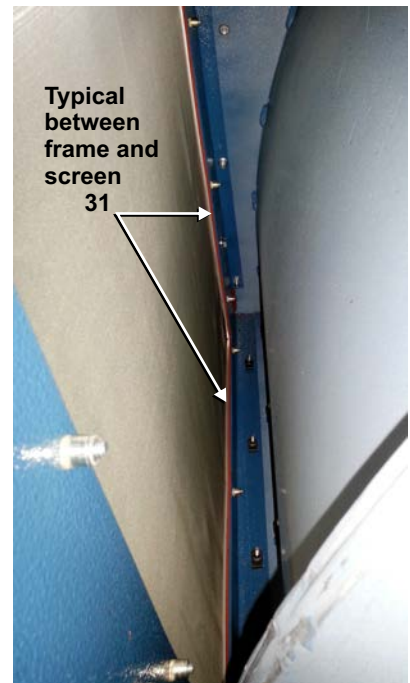
Figure 4: Lint Screens, Air Nozzles, Silicone Sealing



View D-D: Upper nozzle manifold (7676 Dryer shown)



View D-D: Inside view of upper nozzle and screen



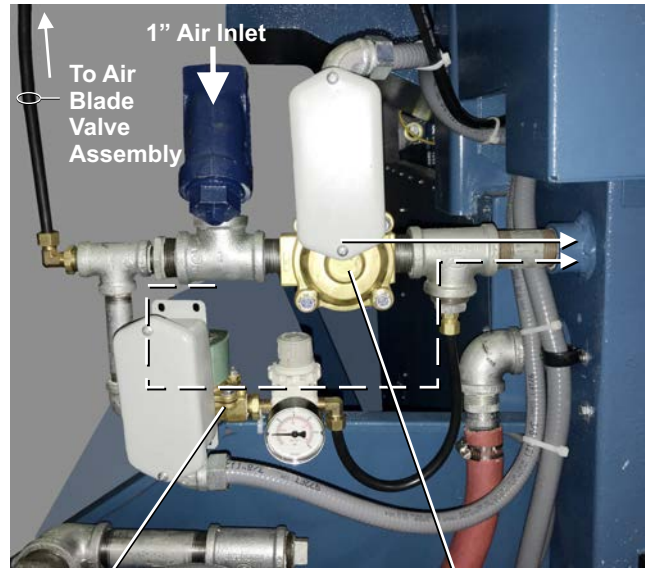
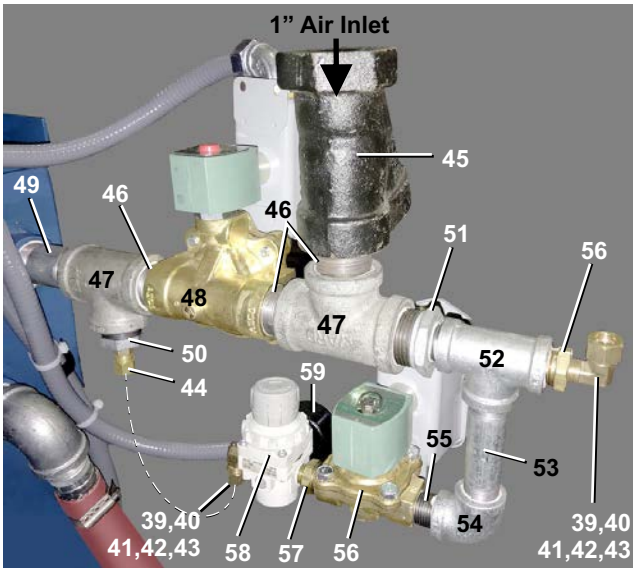
View E-E: Inside view bottom of screen

Internal Lint Screens

50040, 64058, 64064, 72072, 76076, 82082 Dryers

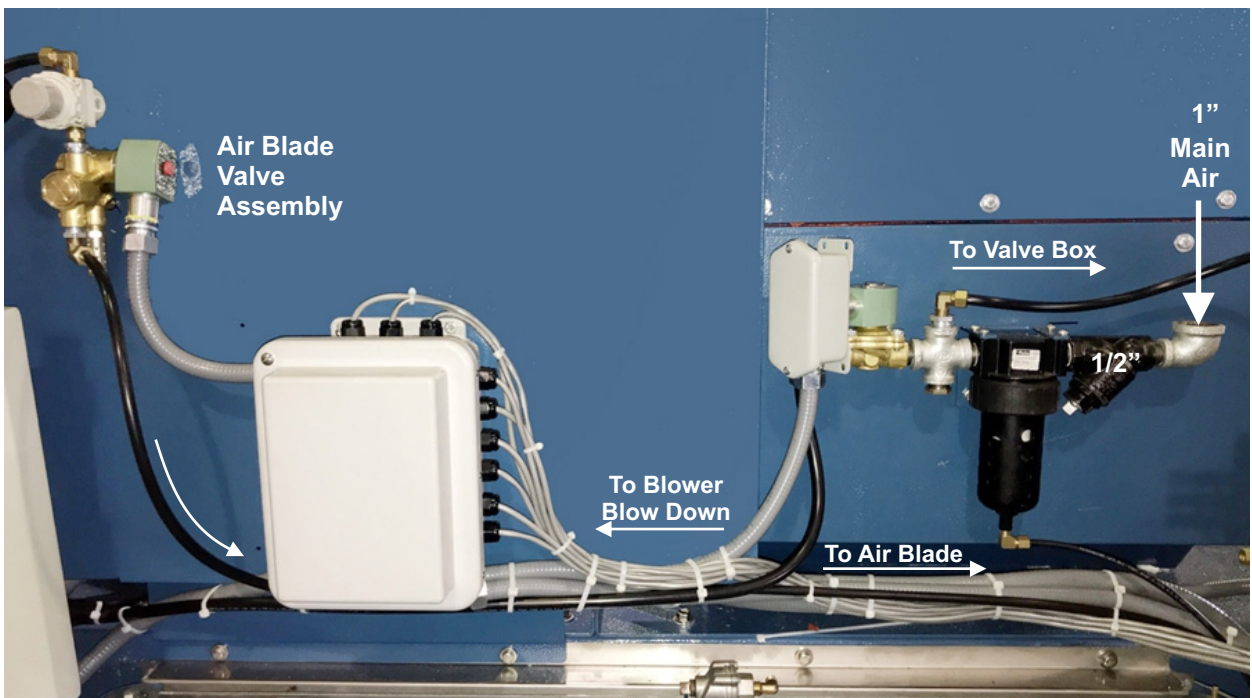
Figure 5: Internal Lint Air Inlet and Valves

Internal Lint Air Inlet



Nozzle Cleaning: low pressure air to the nozzles

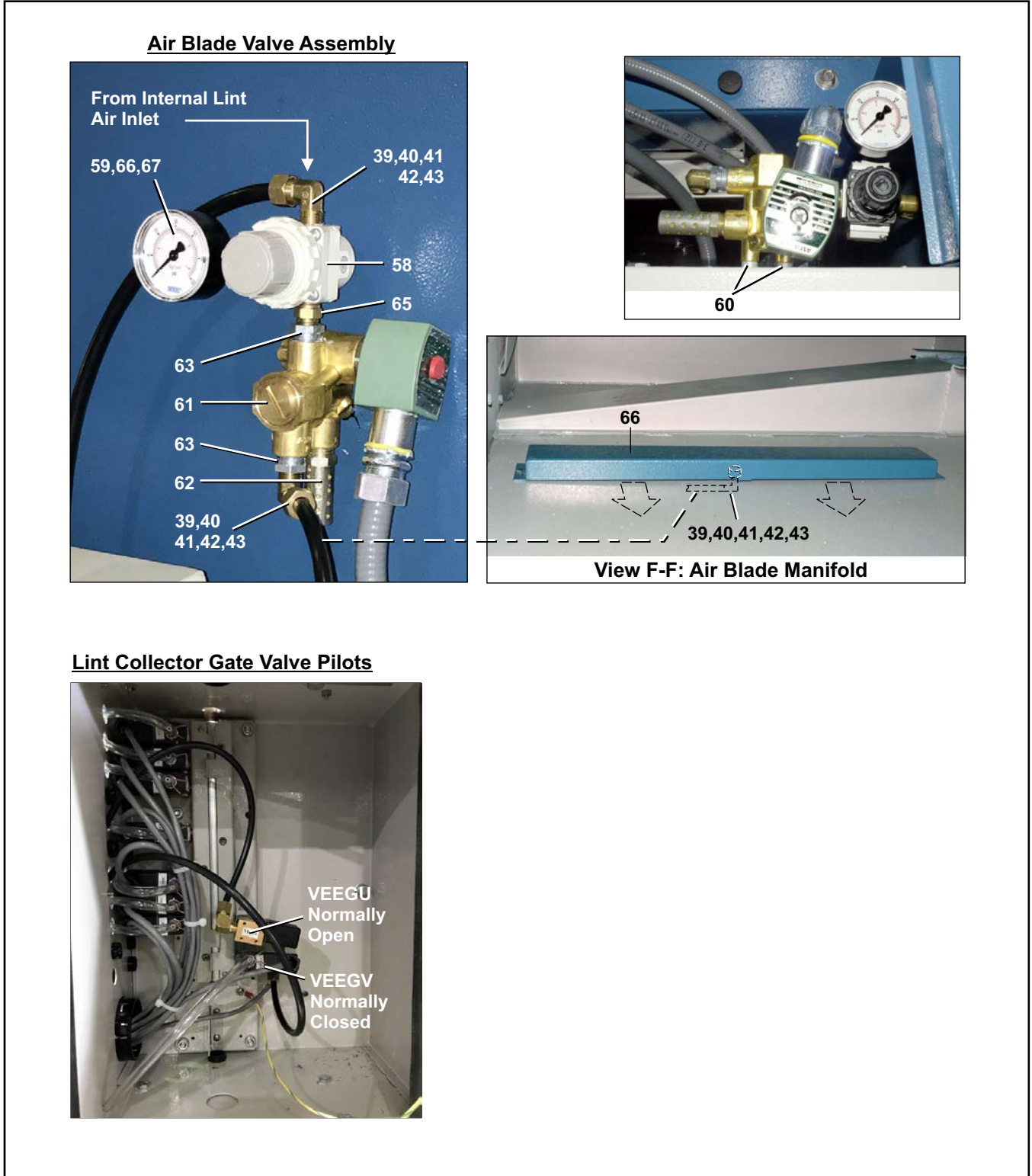
Screen Cleaning: high pressure air to the blow off the screens



Internal Lint Screens

50040, 64058, 64064, 72072, 76076, 82082 Dryers

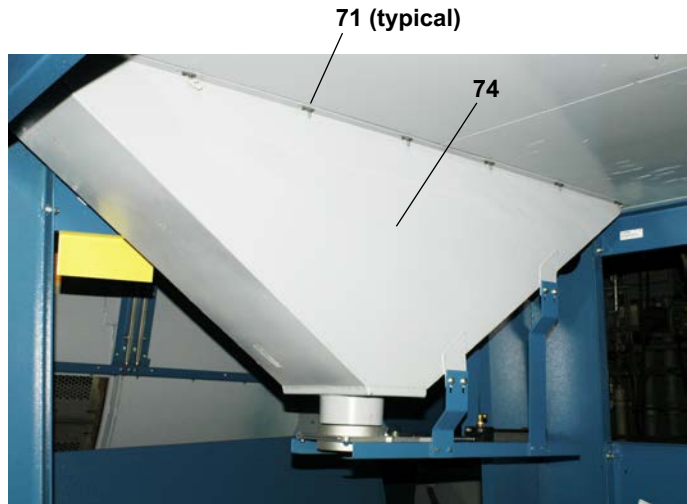
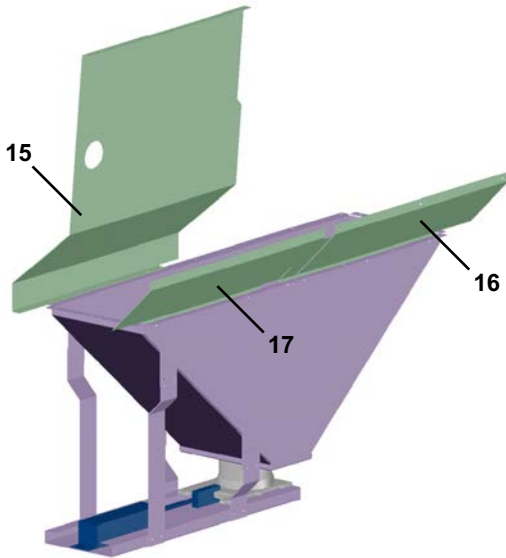
Figure 5: Air Blade Valve Assembly and Lint Collector Pilots



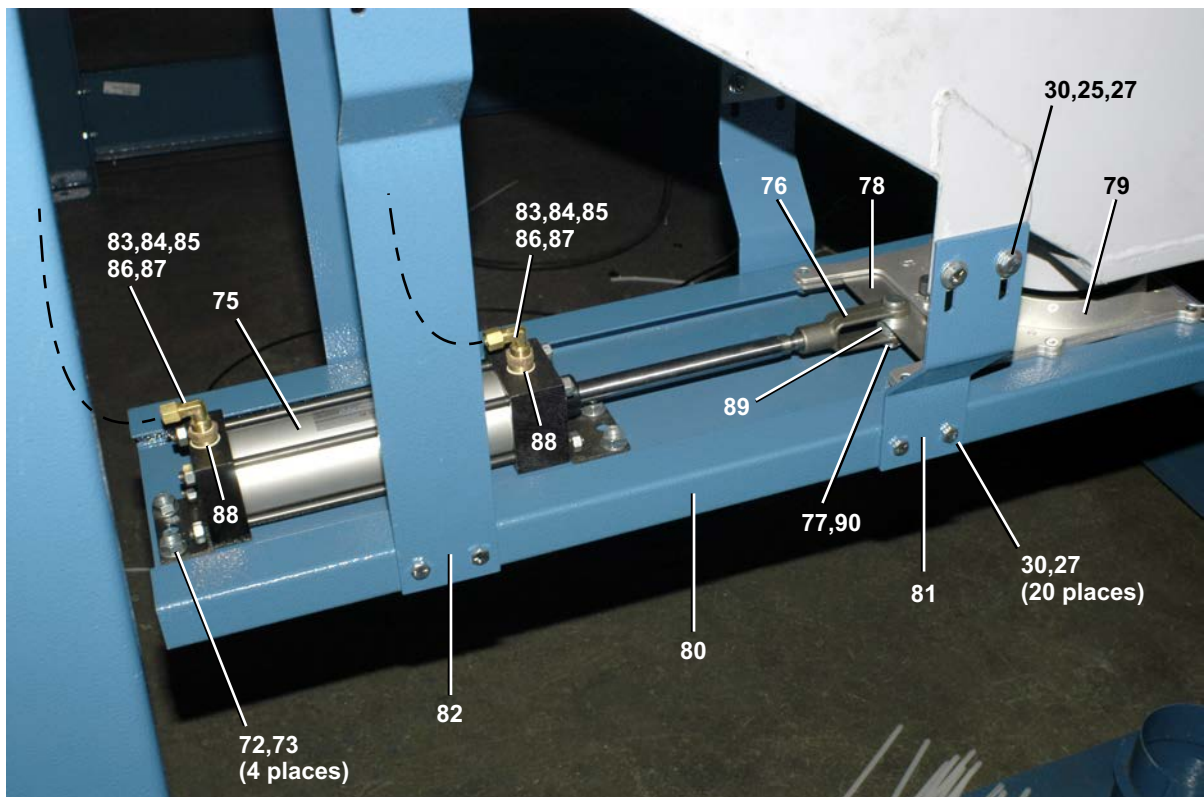
Internal Lint Screens

50040, 64058, 64064, 72072, 76076, 82082 Dryers

Figure 6: Lint Collector



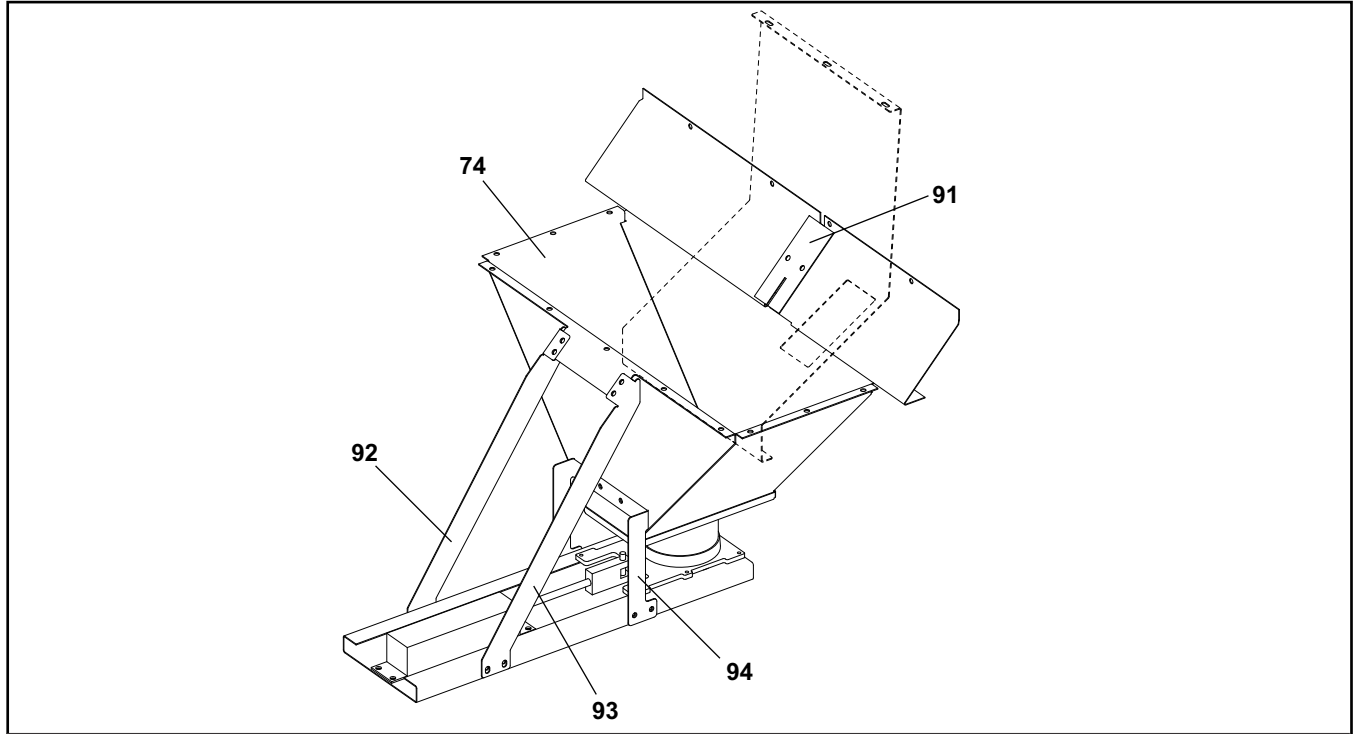
The Lint Collector is mounted under the Dryer at installation. The 6" flexible hose connection pipes to DRYVAC or lint collector by others.



Air Cylinder and Gate Valve

Internal Lint Screens

50040, 64058, 64064, 72072, 76076, 82082 Dryers



Parts List

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
-----ASSEMBLIES-----				
	A	G74LS001	5040 INTERNAL LINT SCREEN LEFT	5040 LEFT
	B	G74LS001A	5040 INTERNAL LINT SCREEN RIGHT	5040 RIGHT
	C	G77LS001B	INST=6458 NL INT LINT SCREEN LT	6458 LEFT
	D	G77LS001C	INST=6458 NL INT LINT SCREEN RT	6458 RIGHT
	E	G77LS002B	INST=6464 NL INT LINT SCR N LT	6464 LEFT
	F	G77LS002C	INST= 6464 NL INT LINT SCR N RT	6464 RIGHT
	G	G79LS001	INSTALL=7272L INTERNAL LINT SCREENS	7272 LEFT
	H	G79LS001A	INSTALL=7272R INTERNAL LINT SCREEN	7272 RIGHT
	J	G79LS021	INSTALL=7676 LEFT INTERNAL LINT SCREENS	7676 LEFT
	K	G79LS021A	INSTALL=7676 RITE INTERNAL LINT SCREENS	7676 RIGHT
	L	G82LS001	8282 LT LINT SCREEN INSTALL	8282 LEFT
	M	G82LS001A	8282 RT LINT SCREEN INSTALL	8282 RIGHT
-----COMPONENTS-----				
A	1	A74LS003	5040 LINT SCREEN RIVNUT BOTTOM	
B	1	A74LS003A	5040 LINT SCREEN RIVNUT BOTTOM RT	
C	1	A77RN001	ASSY=LOWER SCR N SUPPORT LEFT	
D	1	A77RN001A	ASSY=LOWER SCR N SUPPORT RIGHT	
E	1	A77RN005	ASSY=6464 LOWER SCREEN SUPPORT LF	
F	1	A77RN005A	ASSY=6464 LOWER SCREEN SUPPORT RT	
G	1L	A79RN002	ASSY=LF LS BTTM-LOAD SD	
H	1L	A79RN002A	ASSY=RT LS BTTM-LOAD SD	
J	1L	A79RN025	ASSY=7676 LEFT LINT SCREEN BRKT BTTM-REAR	
K	1L	A79RN022A	ASSY=7676 RITE LINT SCREEN BRKT BTTM-FRONT	

Internal Lint Screens

50040, 64058, 64064, 72072, 76076, 82082 Dryers

Parts List				
Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.				
Used In	Item	Part Number	Description	Comments
G	1R	A79RN006	ASSY=LF LS BTTM-UNLOAD SD	
H	1R	A79RN006A	ASSY=RT LS BTTM-UNLOAD SD	
J	1R	A79RN022	ASSY=7676 LEFT LINT SCREEN BRKT BTTM-FRONT	
K	1R	A79RN025A	ASSY=7676 RITE LINT SCREEN BRKT BTTM-REAR	
L	1	A82RN131	8282 LT LINT SCREEN LOWR SPPRT W/RVNT	
M	1	A82RN131A	8282 RT LINT SCREEN LOWR SPPRT W/RVNT	
AB	2	A74LS002	5040 LINT SCREEN RIVNUT TOP	
CD	2	A77RN002	ASSY=UPPER SCR N SUPPORT	
EF	2	A77RN006	ASSY=6464 UPPER SCREEN SUPPORT	
GH	2	A79RN001	ASSY=LF LS BRKT TOP	
J	2	A79RN021	ASSY=7676 LEFT LINT SCREEN BRKT TOP	
K	2	A79RN021A	ASSY=7676 RITE LINT SCREEN BRKT TOP	
LM	2	A82RN133	8282 SCREEN UPPER SUPPORT W/RIVNUT	
AB	3L	A74LS001	5040 LINT SCREEN RIVNUT LEFT	
CD	3	A77RN003	ASSY=SIDE SCREEN SUPPORT	
EF	3	A77RN007	ASSY=6464 SIDE SCREEN SUPPORT	
K	3L	A79RN026A	ASSY=7676 RITE LINT SCREEN BRKT VERT-REAR	
G	3L	A79RN007	ASSY=LF LS MNT-UNLOAD SD	
G	3R	A79RN003	ASSY=LF LS MNT-LOAD SD	
H	3L	A79RN007A	ASSY=RT LS MNT-UNLOAD SD	
J	3L	A79RN026	ASSY=7676 LEFT LINT SCREEN BRKT VERT-REAR	
AB	3R	A74LS001A	5040 LINT SCREEN RIVNUT RIGHT	
H	3R	A79RN003A	ASSY=RT LS MNT-LOAD SD	
J	3R	A79RN023	ASSY=7676 LEFT LINT SCREEN BRKT VERT-FRONT	
K	3R	A79RN023A	ASSY=7676 RITE LINT SCREEN BRKT VERT-FRONT	
LM	3	A82RN132	8282 SCREEN SIDE SUPPORT W/RIVNUT	
CDG	4L	A77RN004	ASSY=CENTER SCREEN SUPPOT LEFT	
H	4L	A79RN005A	ASSY=RT LS CENTER-UNLOAD SD	
CD	4R	A77RN004A	ASSY=CENTER SCREEN SUPPORT RIGHT	
H	4R	A79RN004A	ASSY=RT LS CENTER-LOAD SD	
EF	4	A77RN004B	ASSY=CENTER SCREEN SUPPORT NEW - LOOK	
JK	4	A79RN024	ASSY=7676 LINT SCREEN BRKT VERT-CENTER	
LM	4	A82RN130	8282 SCREEN CENTER SUPPORT W/RIVNUT	
AB	5	W7 44248	5040 LINT SCREEN	
CDEF	5	W7 71804	WLMT=54 MESH SCREEN FRAME	
GH	5L	W7 81590	7272 LINT SCREEN-LOAD SIDE	
JK	5L	W7 85590	WELD=7676 LINT SCREEN FRAME-FRONT	
GH	5R	W7 81591	7272 LINT SCREEN-UNLOAD SIDE	
JK	5R	W7 85591	WELD=7676 LINT SCREEN FRAME-REAR	
LM	5	W7 88134	8282 SCREEN WLMT	
C-F	6	07 71838	FILLER-SCREEN-TOP-UNLOAD SIDE	
C-F	7	07 71838A	FILLER-SCREEN-TOP-LOAD SIDE	
C-F	8	07 71839	FILLER-SCREEN-TOP-MID	
C-F	9	07 71846	FILLER=6464 LINT VERTICAL RIGHT	
C-F	10	07 71846A	FILLER=6464 LINT VERTICAL LEFT	
C-F	11	07 71856	LINT=CORNER FILLER LOAD	
C-F	12	07 71856A	LINT=CORNER FILLER UNLOAD	
C-F	13	07 71857	LINT=CORNER FILLER LOWER LOAD	

Internal Lint Screens

50040, 64058, 64064, 72072, 76076, 82082 Dryers

Parts List				
Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.				
Used In	Item	Part Number	Description	Comments
C-F	14	07 71857A	LINT=CORNER FILLER LOWER UNLOAD	
A	15L	07 44252	5040 LEFT LINT DEFLECTOR	
C	15L	07 71836	LINT BLOCKER UNLOAD LEFT	
E	15L	07 72054B	6464 LEFT REAR LINT BLOCKER	
G	15L	07 81565	7272 LINT DEFLECTOR UNLOAD LEFT	
H	15L	07 81565A	7272 LINT DEFLECTOR UNLOAD RIGHT	
J	15L	07 85565B	7676 LEFT LINT DEFLECTOR-REAR	
B	15R	07 44252	5040 LEFT LINT DEFLECTOR	
D	15R	07 71836A	LINT BLOCKER UNLOAD RIGHT	
F	15R	07 72054C	6464 RITE REAR LINT BLOCKER	
G	15R	07 81566	7272 LINT DEFLECTOR LEFT	
H	15R	07 81566A	7272 LINT DEFLECTOR RIGHT	
J	15R	07 85565C	7676 RITE LINT DEFLECTOR-REAR	
L	15	07 88139	8282 LT LINT BLOCKER UNLOAD	
M	15	07 88139A	8282 RT LINT BLOCKER UNLOAD	
A	16	07 44254	5040 LINT DEFLECTOR UNLOAD LF	
B	16	07 44254A	5040 LINT DEFLECTOR UNLOAD RT	
C	16	07 71831B	6458 NL LINT DIVERTER UNLOAD LT	
D	16	07 71831C	6458 NL LINT DIVERTER UNLOAD RT	
E	16	07 72052D	6464 NL LINT DIVERTER UNLOAD LT	
F	16	07 72052E	6464 NL LINT DIVERTER UNLOAD RT	
K	16	07 85566C	7676 RITE DEFLECTOR BTM CORNER	
L	16	07 88136	8282 LT LINT DIVERTER UNLOAD	
M	16	07 88136A	8282 RT LINT DIVERTER UNLOAD	
A	17	07 44253	5040 LINT DEFLECTOR LOAD LF	
A	17	07 44253A	5040 LINT DEFLECTOR LOAD RT	
C	17	07 71832B	6458 NL LINT DIVERTER LOAD SIDE LT	
D	17	07 71832C	6458 NL LINT DIVERTER LOAD SIDE RT	
E	17L	07 72053B	6464 LEFT REAR LINT DIVERTER	
F	17L	07 72053C	6464 RITE REAR LINT DIVERTER	
J	17L	07 85566B	7676 LEFT LINT DEFLECTOR BTM CORNER	
L	17	07 88137	8282 LT LINT DIVERTER LOAD SIDE	
M	17	07 88137A	8282 RT LINT DIVERTER LOAD SIDE	
AB	18	W7 44245	5040 LINT SCREEN JET WELDMENT	
CDEF	18	W7 71860A	WLMT=BLOW NOZZLE OUTER RIGHT	
GHF	18	W7 81561	WLMT=BLOW NOZZLE UNLOAD SIDE	
LM	18	W7 88147A	8282 BLOW NOZZLE OUTER WLMT RIGHT	
AB	19	W7 44245A	5040 LINT SCREEN JET WLEDMENT OPP	
CDEF	19	W7 71860	WLMT=BLOW NOZZLE OUTER LEFT	
GF	19	W7 81561A	WLMT=BLOW NOZZLE UNLOAD SIDE OPP	
LM	19	W7 88147	8282 BLOW NOZZLE OUTER WLMT LEFT	
CDEFGH	20	W7 71862	WLMT=BLOW NOZZLE INNER LEFT	
JK	20	W7 85562	WELD=7676 LINT SCREEN BLOW NOZZLE-REAR	
CDEFGH	20	W7 71862A	WLMT=BLOW NOZZLE INNER RIGHT	
JK	20	W7 85562A	WELD=7676 LINT SCREEN BLOW NOZZLE-FRONT	
L	20	W7 88149	8282 BLOW NOZZLE INNER WLMT LEFT	
M	20	W7 88149A	8282 BLOW NOZZLE INNER WLMT RIGHT	
GF	21	W7 81560	WLMT=BLOW NOZZLE TOP	
JK	21	W7 85560	WELD=7676 LINT SCREEN BLOW NOZZLE TOP	

Internal Lint Screens

50040, 64058, 64064, 72072, 76076, 82082 Dryers

Parts List				
Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.				
Used In	Item	Part Number	Description	Comments
A	22	W7 44247	5040 LINT SCREEN MANIFOLD WELDMENT	
CDEF	22	W7 71850	WLMT=LINT SCREEN MANIFOLD	
GF	22	W7 81569	WLMT=7272 LINT SCREEN AIR MANIFOLD	
JLM	22	W7 85569	WELD=7676 LINT SCREEN AIR MANIFOLD	
all	23	27A003	NOZZLE 1/4" BRASS SQUARE PATTE	
all	24	15K041	HXCAPSCR 1/4-2OUNC2AX1 GR 5 ZI	
all	25	15U185	FLATWASHER(USS STD) 1/4" ZNC P	
all	26	15U185A	FLTWSHR .750DX.312IDX.084TK ZI	
all	27	15G178	1/4"-20 HEXFLANGE NUT ZINC	
all	28	17N059	KNURRIVNUT 1/4-20 ZN.027"-.165	
all	29	07 71812	LINT MAIFOLD VENTED PLUG	
all	30	15K039	HXCAPSCR 1/4-20UNC2AX3/4 GR5 Z	
all	31	60A160	RED SILICONE STRIP 1/8" X 1" WITH P/S	
all	32	15U356	FLATWASHER SILICONE 1.50 O.D X .75 ID	
all	33	20C041	SUPRFLXSIL ADH SEAL RED 10.2OZ	
all	34	60E005H	TUBING PFA 3/8" ID X 1/2" OD HIGH-TEMP	
all	35	53ACM0KEBB	BODYMALCON.5T X.25MP #B68A-8B	
all	36	53A4000KB	TUBE INSERT 1/2"OD #60AE-8	
all	37	53A3000KB	SLEEVE 1/2"OD TUBE #60AP-8	
all	38	53A10SSKB	.5T COMPNUT 11/16-20 AND#61A-8	
all	39	53A043G	EL90 3/8X1/4COMP.AND#69A-6B	
all	40	53A511	SLEEVE DELRIN 3/8"OD#60PT-6	
all	41	53A512	TUBE INSERT 3/8"OD #63PT-6-62	
all	42	53A060C	NUT 3/8"COMP AND.#61A-6	
all	43	60E005B	TUBING NYL.3/8"OD X.275"ID	
all	44	53A023	MALECON3/8X.25COMP ANCHR#68-64	
all	45	51T040	Y STRAINER 1" CAST IRON 20 MESH	
all	46	5N1ACLSG42	NPT NIP 1XCLS TBE GALSTL Sk40	
all	47	5S1ANFA	NPT TEE 1" GALMAL 150#	
all	48	96TFC2AA37	1" N/C 2WAY 120V50/60C VALVE	
all	49	5N1A02AG42	NPT NIP 1X2"TBE GALSTL SK40	
all	50	5SB1A0ENFO	NPTHEXBUSH 1X1/4 GALMAL 150#	
all	51	5SB1A0KNFO	NPTHEXBUSH 1X1/2 GALMAL 150#	
all	52	5S0KNFA	NPT TEE 1/2" GALMAL 150#	
all	53	5N0K04AG42	NPT NIP 1/2X4 TBE GALSTL SK40	
all	54	5SL0KNFA	NPTLNB 90DEG 1/2 GALMAL 150#	
all	55	5N0KCLSG42	NPT NIP 1/2XCLS TBE GALSTLSK40	

Internal Lint Screens

50040, 64058, 64064, 72072, 76076, 82082 Dryers

Parts List				
Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.				
Used In	Item	Part Number	Description	Comments
all	56	96TDC2AA37	1/2"N/C2WY120V50/60C VLV	
all	57	5SB0K0EHEO	NPTHEXBUSH 1/2X1/4 STLZNC 125#	
all	58	96J019E	1/4"PRESSREG3-60#AR20-N02H-Z-A	
all	59	30N100	PRESSGAUGE 1/8"BACKCN.0-30PSI	
all	60	02 10456	BUSHING=SENSDEV PIVOTPIN	
all	61	96TCC3AA37	3/8" N/C 3WAY 120V50/60C VALVE	
all	62	27A005	MUFFLER 3/8" BANTAM B38	
all	63	5SB0G0EDEO	NPTHEXBUSH 3/8X1/4 GALCI 125#	
all	65	5N0ECLSBE2	NPT NIP 1/4XCLS TBE BRASS 125#	
all	66	5SL0CBEA	NPTELB 90DEG 1/8 BRASS 125#	
all	67	5N0CCLSB42	NPT NIP 1/8XCLS TBE BRASS STD	
all	68	07 71837	AIR BLADE MANIFOLD	
LM	68	07 88140	8282 AIR BLADE	
all	69	96R302B37	1/8"AIRPILOT 3W NO 120V50/60	
all	70	96R301B37	1/8"AIRPILOT 3W NC 120V50/60	
all	71	15G004HD	1/4-20 USHORT NUT P/R .025-.15	
all	72	15K085	HEXCAPSCR 3/8-16UNC2AX3/4 GR5	
all	73	15G198	HXFLGNUT 3/8-16 ZINC	
AB	74	W7 44250	5040 LINT COLLECTOR	
C	74	W7 71840	WLMT=LINT COLLECT LEFT	
D	74	W7 71840A	WLMT=LINT COLLECT RIGHT	
EF	74	W7 72050A	6464, 53.25" LINT COLLECT WLMT	
GH	74	W7 81567	WLMT=7272 LINT COLLECT	
JK	74	W7 85567B	WELD=7676 LINT COLLECT	
L	74	W7 88141	8282 LT LINT COLLECT WLMT	
M	74	W7 88141A	8282 RT LINT COLLECT WLMT	
all	75	27C217	AIR CYL 2"BORE X 6"STROKE	
all	76	17A019	YOKE END 1/2-20 STEEL	
all	77	17A040	CLEVIS PIN 1/2"X1+3/8" DRILLED	
all	78	07 71847	GATE VAVLE FLAP	
all	79	1.30E+07	BLAST GATE 6" SELF-CLEANING #06SGATE	
all	80	07 71848	GATE VAVLE CYLINDER MNT	
all	81	07 71852	GATE VALVE MNT SHORT	
A-K	82	07 71849	GATE VALVE MNT LONG	
LM	82	07 81568	GATE VALVE MNT LONG	
all	83	53A031XB	BODY-EL90MALE.25X25 #269C-4-4B	
all	84	60E004TE	1/4"OD X.170"ID NYL(BLK)TUBING	
all	85	53A059A	NUT 1/4"BR.HOLYOKE AND #61A-4	
all	86	53A500	SLEEVE DELRIN 1/4"OD#60PT-4	

Internal Lint Screens

50040, 64058, 64064, 72072, 76076, 82082 Dryers

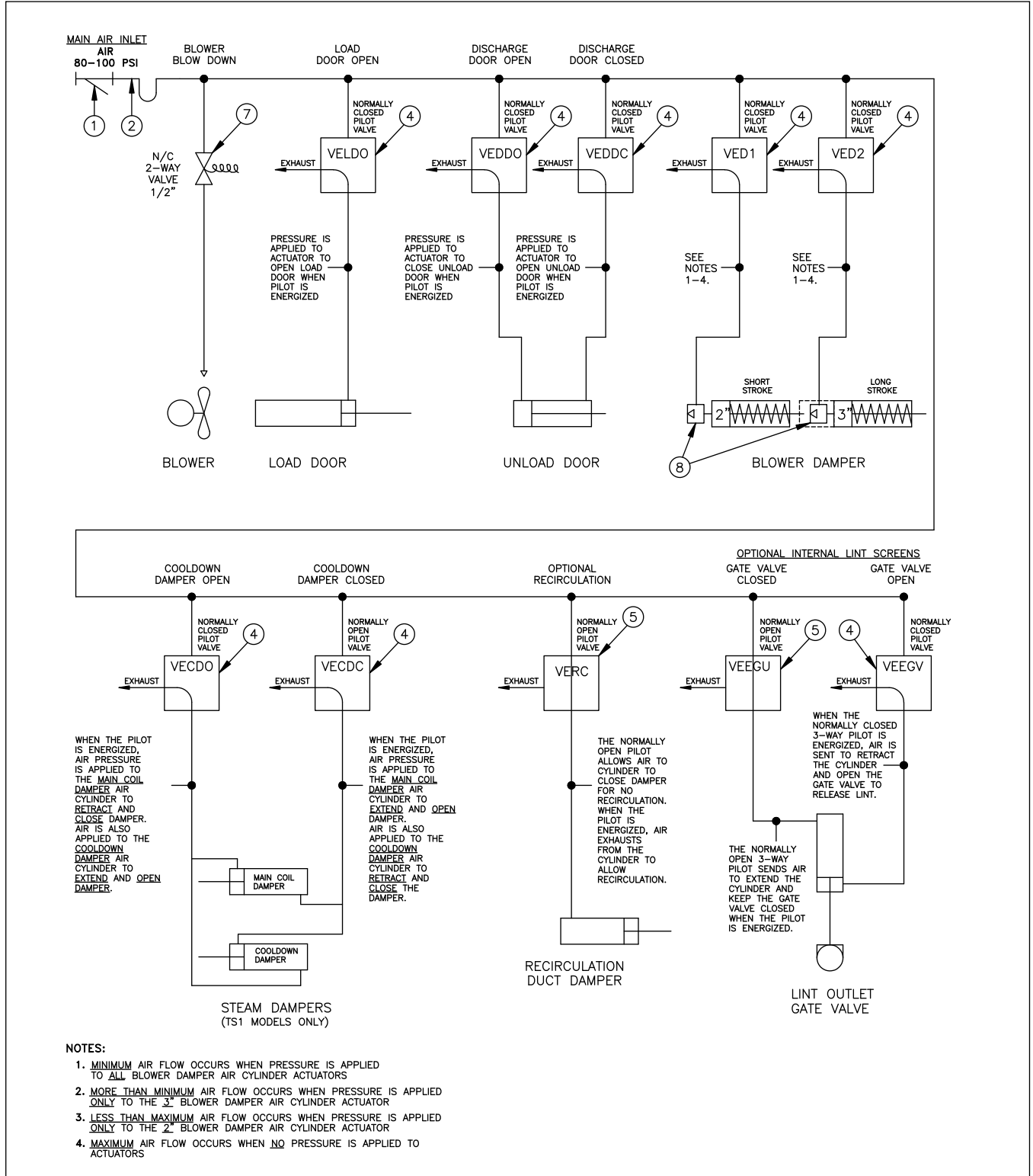
Parts List

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
all	87	53A501	TUBE INSERT .163"OD #63PT-4-40	
all	88	5SB0G0EBEO	NPTHEXBUSH 3/8X1/4 BRASS 125#	
all	89	15U243	FLTWASHER 7/8ODX33/64IDX16GA Z	
all	90	15H051	STDCOTTERPIN 1/8X1+1/2ZINCPL	
ABI	91	07 44255	5040 DEFLECTOR COVER	
JK	91	07 85564	7676 LINT BOTTOM CORNER COVER	
AB	92	07 44257	5040 LINT CYL ARM LF	
AB	93	07 44257A	5040 LINT CYL ARM RT	
AB	94	07 442565	5040 LINT SCREEN CYL BRKT	

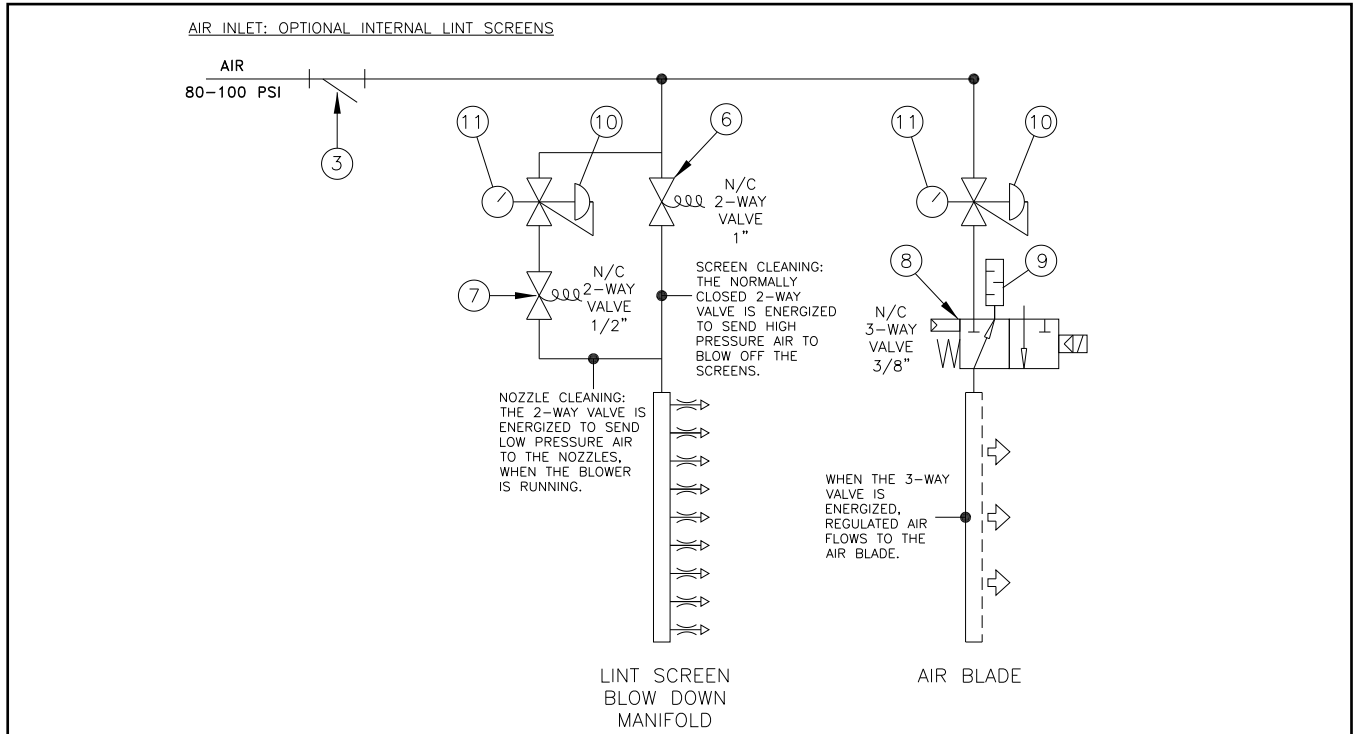
Pneumatic Schematic

5050TG1L/R, 5050TS1L/R, 6458TG1L/R, TS1L/R 6464TG1L/R, TS1L/R
7272TG1L/R, TS1L/R 7676TG1L/R 8282TG1L/R



Pneumatic Schematic

5050TG1L/R, 5050TS1L/R, 6458TG1L/R, TS1L/R 6464TG1L/R, TS1L/R
 7272TG1L/R, TS1L/R 7676TG1L/R 8282TG1L/R



Parts List—Pneumatic Schematic

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
-----ASSEMBLIES-----				
	A	AVA712DT37	VALVE ASSY 64" DRYER OL	
-----COMPONENTS-----				
all	1	51T025	Y-STRAINER 1/2" CAST IRON	
all	2	30N601	1/2"AIRLINE FILTER # 07F36AC	
all	3	51T040	Y STRAINER 1" CAST IRON 20 MESH	
all	4	96R301B37	1/8"AIRPILOT 3W NC 120V50/60	
all	5	96R302B37	1/8"AIRPILOT 3W NO 120V50/60	
all	6	96TFC2AA37	1" N/C 2WAY 120V50/60C VALVE	
all	7	96TDC2AA37	1/2"N/C2WY120V50/60C VLV	
all	8	96TCC3AA37	3/8" N/C 3WAY 120V50/60C VALVE	
all	9	27A005	MUFFLER 3/8" BANTAM B38	
all	10	96J019E	1/4"PRESSREG3-60#AR20-N02H-Z-A	
all	11	30N101	PRESSGAUGE 1/8"BACKCN.0-60PSI	