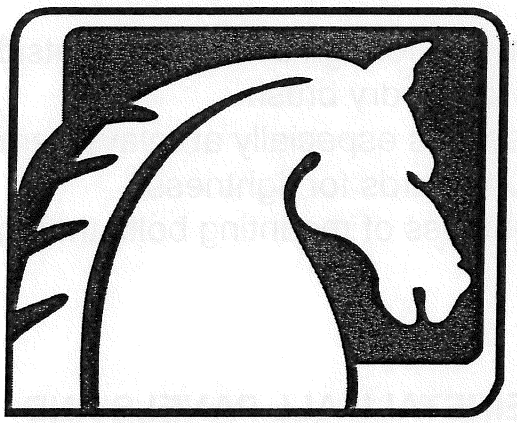
SECTION 6

30 LB.GAS HEATED COMPACT OPL DRYER SERVICE & PARTS

Model	Voltage
DSTD30HTS-10 Stacked	120 volts, 60 Hz, Single Phase
DATD30HTS-10 Stand Alone	120 volts, 60 Hz, Single Phase



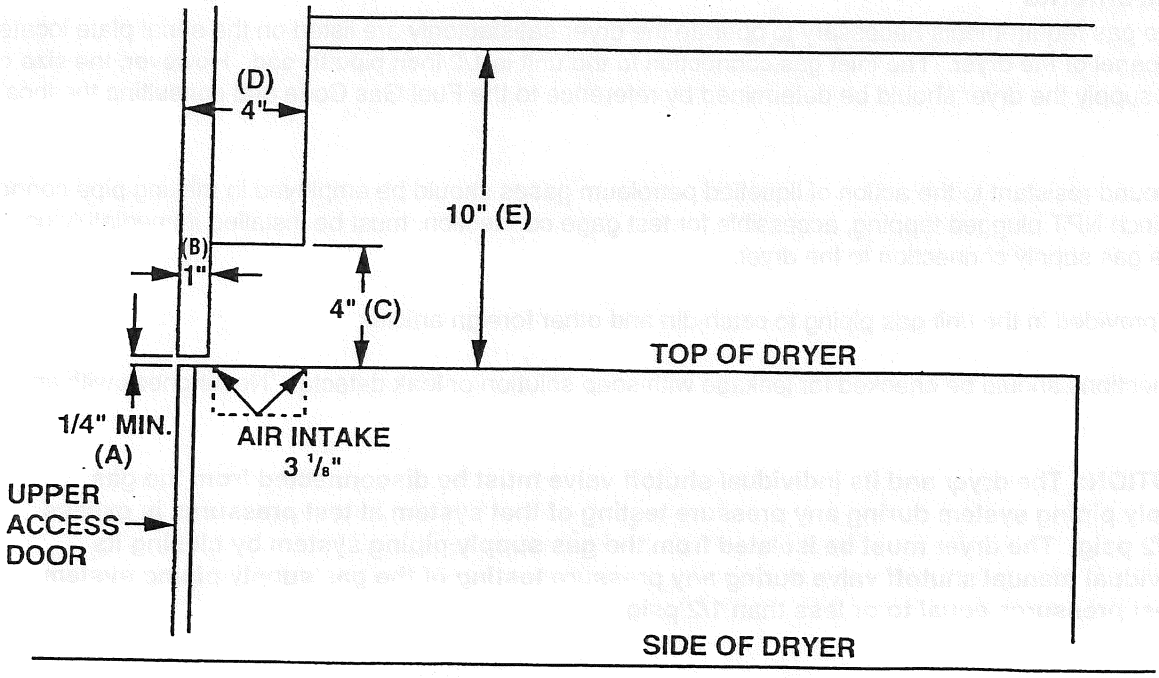
Dryer Installation and Operation

All commercial dryer installations must conform with local applicable local codes or in the absence of local codes, with the National Fuel Gas Code ANSI Z223.1A-1988. Canadian installations must comply with current standard CAN/CGA-B149(.1 or .2) Installation Code for Gas Burning Appliances or Equipment, and local codes if applicable. The appliance, when installed, must be electrically grounded in accordance with the National Electric Code, ANSI/NFPA No. 70-1990,or when installed in Canada, with Standard CSA C22.1 Canadian Electrical Code Part 1.

Installation Clearances:

This unit may be installed at the following alcove clearances.

1.	Left side-	1/2"
2.	Right side-	1/2"
3.	Back-	18" (Certified for 6" clearance: however 18" is required to clean, service, and maintain the dryer).
4.	Front-	48" to allow use of dryer.
5.	Top-	Refer to figure labelled "Vertical Clearance Dimensions".
6.	Floor-	This unit may be installed upon a combustible floor.



Vertical Clearance Dimensions

Make-up Air

Adequate make-up air must be supplied to replace air exhausted by dryers on all types of installations(440 CFM 12.5m3 /Min.). Provide a minimum of 1 square feet of make-up air opening to the outside for each dryer. This is a net requirement of effective area. Screens, grills or louvers which will restrict the flow of air must be considered. Consult the supplier to determine the free area equivalent for the grill being used.

The source of make-up air should be located sufficiently away from the dryers to allow an even air flow to the air intakes of all dryers. Multiple openings should be provided.

NOTE: The following considerations must be observed for gas dryer installations where dry cleaners are installed. The sources of all make-up air and room ventilation air movement to all dryers must be located away from any dry cleaners. This is necessary so that solvent vapors will not be drawn into the dryer inlet ducts. Dry cleaner solvent vapors will decompose in contact with an open flame such as the gas flame present in clothes dryers. The decomposition products are highly corrosive and will cause damage to the dryer ducts and clothes loads.

DRYER Electrical Requirements

The electrical requirements necessary to operate the unit satisfactorily are listed on the serial plate located on the back panel of each dryer. The electrical connection should be made to the pigtail leads in the outlet box on the rear of the unit, using #12 AWG wire.

ONE 15 Amp circuit breaker is required for the dryer. The wiring diagram is located on the belt guard on the back of the dryer.

NOTE: IT IS ABSOLUTELY ESSENTIAL THAT THE DRYER BE GROUNDED BY A SEPARATE GROUND CONDUCTOR FROM THE GROUND SCREW ON THE DRYER TO THE NEUTRAL BAR IN THE SUPPLY BREAKER BOX.

Gas Requirements

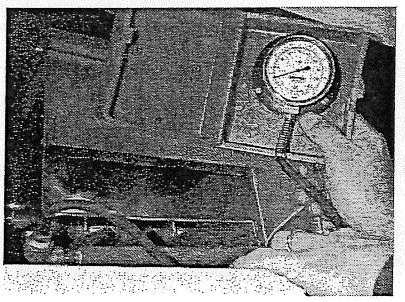
The complete gas requirements necessary to operate the dryer satisfactorily are listed on the serial plate located on the back panel of the dryer. The inlet gas connection to the unit is 1/2 inch pipe thread. However, the size of the piping to supply the dryer should be determined by reference to the Fuel Gas Code and consulting the local gas supplier.

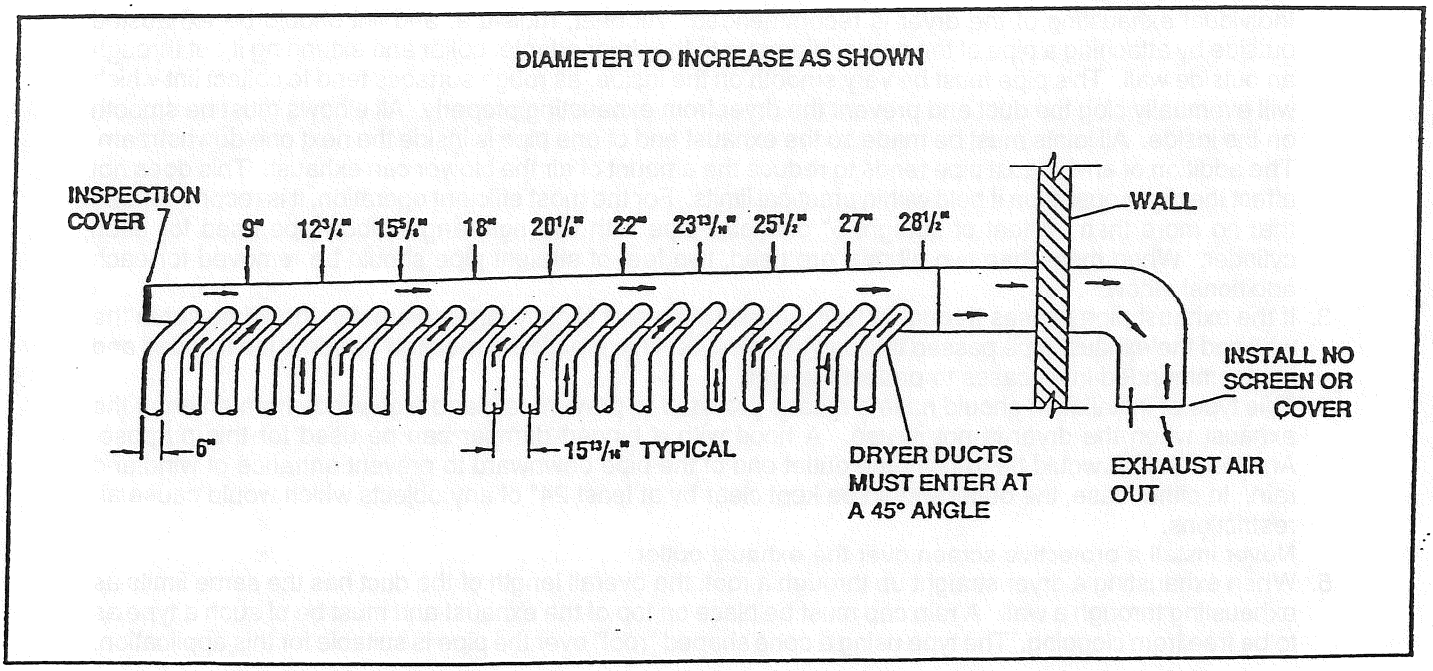
A joint compound resistant to the action of liquefied petroleum gases should be employed in making pipe connections. A 1/8 inch NPT plugged tapping, accessible for test gage connection, must be installed immediately upstream of the gas supply connection to the dryer.

A drip tee is provided in the unit gas piping to catch dirt and other foreign articles.

All pipe connections should be checked for leakage with soap solution or leak detector. Never check with an open flame.

CAUTION: The dryer and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psig. The dryer must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig.





30 LB. Stack & Compact Dryer Exhausting Using a Main Discharge Duct with 6" individual ducting

DRYER EXHAUST INSTALLATION

1. The dryer requires an 6" exhaust connection. Exhausting of the dryer should always be planned and constructed so that minimum air restrictions occur. (Refer to Figure on previous page for multiple dryer exhausting). Any restriction due to pipe size or type of installation can cause slow drying time, excessive heat, and lint build up in system and the room. From an operational standpoint, incorrect or inadequate exhausting can cause cycling of the high limit thermostat which shuts off the main burners and results in inefficient drying.
2. Individual exhausting of the dryer is recommended. All heat, moisture, and lint should be exhausted outside by attaching a pipe of the proper diameter to the dryer adapter collar and extending it out through an outside wall. This pipe must be very smooth on the inside, as rough surfaces tend to collect lint which will eventually clog the duct and prevent the dryer from exhausting properly. All elbows must be smooth on the inside. All joints must be made so the exhaust end of one pipe is inside the next one downstream. The addition of an exhaust pipe tends to reduce the amount of air the blower can exhaust. This does not affect the dryer operation if held within practical limits. For the most efficient operation, it is recommended that no more than 14 feet of straight 6" diameter pipe with two right angle elbows be used for each cylinder. When more than two elbows are used, two feet of straight pipe should be removed for each additional elbow.
3. If the exhaust pipe passes through a wall, a metal sleeve of slightly larger diameter should be set in the wall and the exhaust pipe passed through this sleeve. This practice is required by some local codes and is recommended in all cases to protect the wall.
4. This type of installation should have a means provided to prevent rain and high winds from entering the exhaust when the dryer is not in use. A hood with a hinged damper can be used for this purpose. Another method would be to point the outlet end of the pipe downward to prevent entrance of wind and rain. In either case, the outlet should be kept clear by at least 24" of any objects which would cause air restrictions.
   Never install a protective screen over the exhaust outlet.
5. When exhausting a dryer straight up through a roof, the overall length of the duct has the same limits as exhausting through a wall. A rain cap must be place on top of the exhaust and must be of such a type as to be free from clogging. The type using a cone shaped "roof" over the pipe is suitable for this application.

   Warning: Exhausting the dryer into a chimney or under a building is not permitted. In either case there is a danger of lint build-up which can be highly combustible.

6. Installation of several dryers where a main discharge duct is necessary, will need the following considerations for installation. Entrance into the main discharge duct should be at a 45 degree angle in the direction of discharge air flow.

   NOTE: Never install ducts at a right angle into the main discharge duct. The following illustration shows the various round main duct diameters to use with the individual dryer ducts. The main duct can be rectangular or round, provided adequate air flow is maintained. For each individual dryer the total exhausting (main discharge duct plus duct outlet from the dryer) should not exceed the equivalent of 14 feet and two elbows. The diameter of the main discharge duct at the last dryer must be maintained to exhaust end.

   NOTE: An undersized duct will restrict air flow, an oversized duct will reduce air velocity, both contributing to lint build up. An inspection door should be provided for periodic clean-out of the main duct.

Dryer Controls

Dry Time Timer
The dry time timer sets the drying time only and does not include the cool-down time. However, for safety there is an automatic cool down of 2 minutes minimum built into the cycle even when none is called for by the cool down timer.

Cool Down Timer
The cool down timer sets the cool down time for the cycle. This time is added to the time placed on the main cycle timer.

Adjustable Thermostat
The thermostat knob allows you to set the desired temperature range for the particular load being dried.

Push to Start Switch
The push-to-start switch must always be pushed to start a stopped tumbler. (At least one of the timers must have time placed on it and the loading door must be closed for tumbler motion to occur).

On Light
The ON light is built in to the push-to-start button. It indicates that time has been added to at least one of the timers.

Operating Instructions

1. Load clothes into the tumbler and close the door. The clothes should be well separated. Untangling following washing may be necessary for best drying.

2. Set the temperature selector to the desired setting for the type of clothes to be dried.

LOAD	TEMPERATURE
Delicate	Warm
Perma-Press/ Personal	Medium
100% Cottons	Hot

3. Set the drying timer for the time estimated to dry the load of clothing.

4. Set the cool-down timer for the desired cool-down time.

5. Press the start switch and hold momentarily until dryer reaches operating speed.

IMPORTANT: Normally, dryer operation will continue uninterrupted through the complete cycle determined by number of minutes set on timer. However, opening the loading door will interrupt the circuits and the drive motor and main burners will cease to function. The signal light will remain on and the time cycle will continue independent of the interruption until expiration of the time on the timers or until drying cycle is resumed by closing the door and restarting the dryer to continue drying the clothes. Either the drying timer or the cool-down timer may be canceled at any time by turning the knob counterclockwise to "off".

Characteristics of running dryer:
Temperature selection may be changed at any time with the dryer running.

Running time may be extended any time that while the dryer is running if desired.

Section 7
Dryer Service Procedures

Clothes Door Removal

1. The clothes door may be removed from the hinge bracket by unscrewing and removing the allen head pivot screw located at the door upper hinge point.

2. Next lean the door out of the top of the hinge bracket and lift the door from the bottom hinge pin.

Clothes Door Latch Adjustment

1. Loosen the lock nut on the latching stud. It is located directly behind the door handle.

2. Open the loading door.

3. Screw the door catch stud in or out as necessary and then retighten the lock nut.

Installation of Clothes Door Window & Gasket

1. Remove the loading door.

2. Place the clothes door, with its face down, on a solid surface.

   Note: Prewarming the gasket under a heat lamp makes the installation much easier.

3. Put the door glass gasket on the loading door with the ridges in the wide side up. Locate the seam at the door latching stud.

   NOTE: The gasket has one narrow opening on one side and a wide opening on the other. The narrow side mounts to the door. The wide side holds the glass. The wide side has ridges on one interior lip. This ridged side should go up with the door laying face down.

4. Coat the inside and outside of the gasket with rubber lubricant or liquid soap.

5. Slide the glass into the middle of the gasket with half of the glass above the door and half below the door.

6. While pressing on the glass, use a modified screwdriver (grind the end off so that it tis round and put a slight bend in it) and run it around half of the glass.

7. With half of the glass installed, turn the door over and repeat step 6.

8. Insert the modified screwdriver at the 6 o'clock position and pry the glass up enough to install the door glass support spacer (small diameter rubber tube).

DOOR SWITCH REMOVAL & INSTALLATION

1. The door switch is located directly behind the hinge plate of the loading door assembly. Open the door for access to the switch area. Remove the two screws holding the switch box cover in position. This will allow the removal of the cover and the switch actuator plate.

2. The entire switch box can now be pulled from the front panel opening, creating access to the door switch mounting screws.

3. Remove these two mounting screws and twin nut which frees the door switch and insulating shield. Remove wires.

4. When installing the door switch make certain the insulating shield is reassembled.

5. The actuator plate and switch box cover should be assembled as illustrated in the parts section of the book.

DOOR SWITCH OPERATION & TESTING

1. The normally open door switch must be closed (0 ohms resistance) for the motor and heat circuits to operate. When the door is opened, the door switch breaks the 24 volt control circuit.

DOOR SWITCH ADJUSTMENT

1. Remove the two switch box cover screws.

2. Remove the switch cover and actuator plate.

3. Pull the entire switch box out from the opening in the front panel.

4. Loosen the bottom door switch mounting screw.

5. A slotted mounting allows the switch to slide in or out for adjustment.

HIGH LIMIT THERMOSTAT LOCATIONS & FUNCTIONS

A. Burner Housing- This hi-limit is located on the left side of the burner housing.
   1. The thermostat opens the circuit to the main burners in the event of malfunction in the gas control area or temperature control. This thermostat will open quickly if there is a significant loss of air flow over the burner area.
   2. It is covered by a guard and is held in place by two screws. There are spacers between the thermostat and bracket which must be used to give proper operation.

B. Over temperature Safety Thermostat- The second hi-limit thermostat is located on the burner housing left side above where the gas valve is located.
   1. The manually resettable thermostat limits the operating temperature a dryer can reach should some abnormal situation occur.
   2. Should the thermostat be tripped, the dryer will cease to heat until the thermostat is reset. Once the dryer cools, the thermostat may be reset by inserting a pencil or stick through the opening in the thermostat cover and pushing the button in.

FINAL DRIVE BELT REPLACEMENT

To replace the final drive belt turn the cylinder slowly by hand and work the belt off of the large pulley.

MOTOR DRIVE BELT REPLACEMENT

To replace the motor drive belt the final drive belt should be removed as above. Cut the old motor belt and remove. The new motor drive belt fits inside of three of the four motor mounting bolts. To achieve this, remove these three bolts one at a time and slide the belt in past each in turn. In this way the motor is always supported by 3 bolts at any time.

Note: All drive belts are self adjusting.

TUMBLER PULLEY REMOVAL AND INSTALLATION

Remove the 1 1/2" nut and lock washer. Pull the pulley off the shaft. Watch for the locking key on the tumbler shaft. Upon installation, the tumbler nut should be torqued to 150 ft./lbs.

INTERMEDIATE PULLEY AND TENSION ARM REMOVAL

1. The intermediate pulley is retained with a snap ring. Remove the snap ring and the pulley slides off the shaft.
2. With the pulley off, there is access to the self adjusting tension arm assembly. The tension arm assembly may be removed by removing the snap ring that holds it to the tension arm support assembly pin. The arm assembly is replaced as a complete unit .
3. The grease fitting for the intermediate shaft should be greased monthly.

TENSION ARM SUPPORT ASSEMBLY ADJUSTMENT

The tension arm support assembly may be adjusted for alignment of the intermediate pulley and also to align the belts. The three outer nuts allow the alignment of the pin to be adjusted by pivoting the assembly on the center bolt. The center bolt can be screwed in to allow bringing the complete assembly farther back if necessary for belt alignment.

MOTOR AND BLOWER ASSEMBLY REMOVAL AND INSTALLATION

1. Remove the tumbler and intermediate pulleys. (see above)
2. Remove the motor wiring cover and take the 3 motor wires off.
3. Remove the 9 nuts and lock washers that retain the blower cover and set assembly out of dryer.
4. The blower is held in place with 2 square headed set screws. Upon reassembly, one blower set screw should fit in the counter sink in the shaft and the other set screw should go against the flat side of the shaft. Use red Loctite on the set screws and torque to 165 in./lbs.
5. The motor is mounted with 4 bolts to the blower cover.

AIR FLOW SWITCH OPERATION AND ADJUSTMENT

The air flow switch assembly is part of the ignition safety circuit and insures that the burners don't operate unless there is air flow. When the drive motor and blower are running the flat actuator is pulled in against the back of the dryer closing the switch. If this doesn't happen ignition will not occur. The air flow switch assembly is mounted by two screws through the bracket. It can be adjusted by loosening these mounting screws and moving the switch forward or backward.

IGNITION TRANSFORMER FUSE

The 1 1/2 amp fuse protects the ignition transformer. To remove it just twist and pull it out.

IGNITION CONTROL TRANSFORMER

When heat is called for, the ignition control transformer steps 120VAC down to 24VAC to power the ignition control.

PRESSURE REGULATOR ADJUSTMENT

1. Shut off the gas supply to the dryer.
2. Remove the 1/8" pipe plug from the end of the main burner manifold.
3. Attach a manometer to the end of the main burner manifold.
4. Remove the pressure regulator cover screw on the gas valve.
5. Open the gas shut-off valve and start the dryer.
6. Using a screw driver, adjust the pressure for a manometer reading of 3.5" water column on natural gas or 11" water column on LP. Turning the adjustment screw clockwise will raise the pressure and counter clockwise lowers the pressure. (Note: The main burners must be operating when adjusting the pressure regulator)
7. Shut off the gas supply to the dryer.
8. Remove the manometer and install the 1/8" pipe plug in the manifold.
9. Open the gas shut off valve and check for gas leaks.

ELECTRONIC SPARK IGNITION MODULE OPERATION AND TESTING

1. When heat is called for, 24 volts is supplied from the transformer on the red wire to the spark ignition module. The module will then send a high voltage signal to the spark electrode for 10 seconds to light the burner. At the same time the spark ignition module also sends a 24 volt signal on the brown wire to the gas valve coils to open the valve. When ignition occurs the high voltage signal stops. If ignition does not occur within 10 seconds, the spark ignition module will lock out closing the gas valve and stopping the spark. To reset the spark ignition module the dryer loading door must be opened for 10 seconds.

ELECTRONIC SPARK Ignition MODULE REMOVAL

1. Unlock and open the upper service door. It is held open with the door support arm.
2. Remove the high voltage lead (spark plug wire) from the module.
3. Remove the quick connect wire harness.
4. Remove two 1/4" mounting screws.

SPARK ELECTRODE ASSEMBLY OPERATION

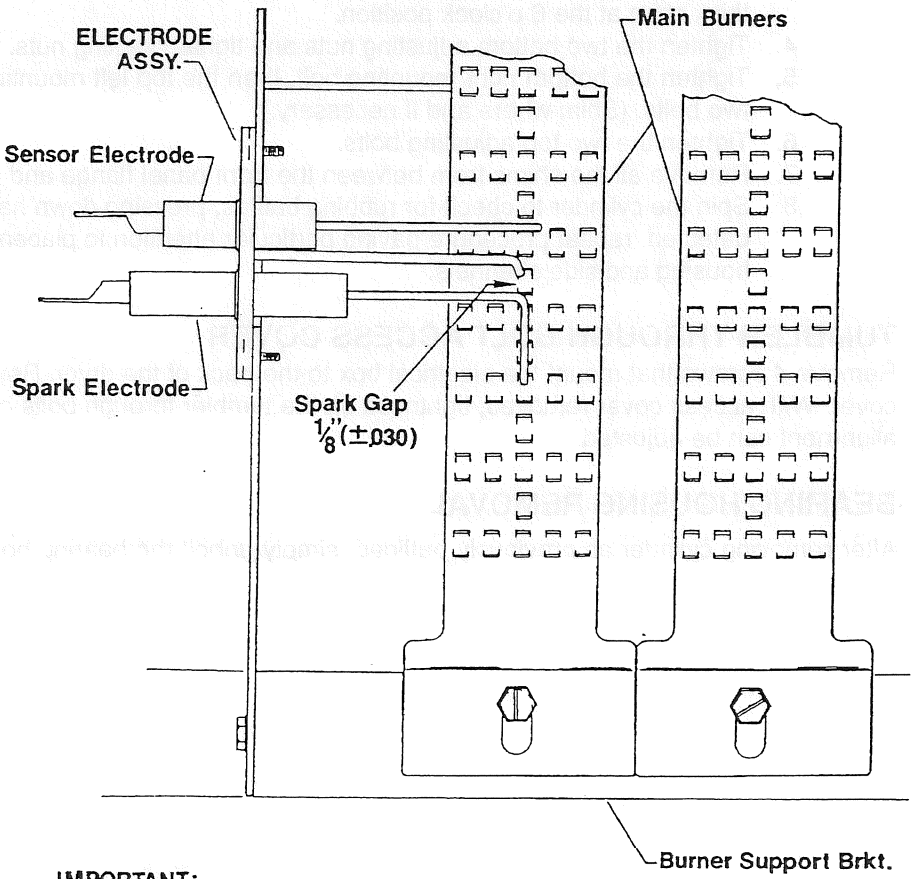
1. The front electrode conducts the spark from the black high voltage wire to the center grounding probe located directly over the burner. The back electrode detects ignition and monitors the flame. (Note: Proper grounding of the ignition system (yellow wires) is necessary for correct operation)

SPARK ELECTRODE ADJUSTMENT

1. The gap between the front spark electrode and the center grounding probe should be 1/8".

SPARK ELECTRODE ASSEMBLY REMOVAL

1. Remove the high voltage lead and the spark sensing wire.
2. Remove the two 1/4" mounting screws.



IMPORTANT:
Electrodes are positioned 3/8" above burner surface.

Electrode ends are centered to burner.

2. Remove two screws to detach electrode assembly.

GAS VALVE & MANIFOLD REMOVAL

1. Disconnect union at gas valve and disconnect wires from gas valve operator coils.
2. Remove right manifold mounting bracket screws and slide manifold to remove from left bracket.

MAIN BURNER ORIFICE REMOVAL

1. Remove manifold and gas valve assembly as above.
2. Using an open end wrench, remove orifices from manifold.

MAIN BURNER REMOVAL

1. Remove the 4 screws securing the cover for the burner housing and the one screw mounting the high limit cover. With the burner housing cover removed, there is complete access to the burner assemblies.

CYLINDER REMOVAL

1. Remove the front panel in front of the cylinder.
2. Remove drive belt, pulley, and key from cylinder shaft.
3. Pull the cylinder from the front of the machine.

ADJUSTMENT OF CYLINDER ASSEMBLY

1. Loosen the two top adjusting bolts and two bottom adjusting nuts and lock nuts holding the bearing housing to the drive plate.
2. Loosen the four mounting bolts on the side channels.
3. Open the clothes door and insert a 1/2" thick shim at the 3 and 9 o'clock positions and a 1/4" thick shim at the 6 o'clock position.
4. Tighten the two bottom adjusting nuts and tighten locking nuts.
5. Tighten the bottom right mounting bolt, then the top left mounting bolt. Tighten the remaining two bolts. (Shim where and if necessary.)
6. Tighten the two top adjusting bolts.
7. Remove all the shims from between the front panel flange and cylinder (3, 6, and 9 o'clock).
8. Spin the cylinder to check for rubbing baffles, pressing down hard while rotating. If rubbing is detected, repeat procedure paying particular attention to placement of shims between bearing housing and side channels.

TUMBLER THROUGH BOLT ACCESS COVER

Remove 4 screws that mount the electrical box to the back of the dryer. Remove 2 screws that retain access cover. With access cover removed, tightness on the tumbler through bolts can be checked and tumbler alignment can be adjusted.

BEARING HOUSING REMOVAL

After removing cylinder as previously outlined, simply unbolt the bearing housing and remove.

30lb. Compact Stack Dryer Schematic

Dryer Idle, Door Open

120VAC is supplied by L1 on the black wire. 120VAC also goes throgh the dry timer switches at terminal "A" and is then jumpered to the cool down timer switches at terminal "A" and then to one side of the door switch on a black wire. Closing the loading door sends 120VAC to the two blue wires. One blue wire makes 120VAC available to one side of the Motor Run Relay. The other blue wire provides a 120VAC signal to the Start switch telling it that the door is closed.

30lb. Compact Stack Dryer Schematic

Door Closed, Dry Timer On or Cool Down Timer On , Start Switch Pushed And Motor Starting and Running

Door closed and heat timer turned on has120 volts now at the Start Switch and at the Centrifugal Switch inside the motor on the blue wire .Push the Start Switch and now 120VAC is supplied to the Motor on the red wire. The Motor Start Switch is drawn in the start position. In this position the incoming power is supplied directly to the main run winding and through the Start Capacitor to the Auxiliary Winding (start winding). As the Motor comes up to speed, this switch opens the circuit to the Start Winding and closes the circuit at blue wire connection in the motor and allows 120 volts through the blue wire and to the red wire onto the Heat circuit which then goes up to the Hi-Limit switch. The heat circuit in the dryer will not operate if the motor is not running.

30lb. Compact Stack Dryer Schematic

Heat Circuit

With the Drive Motor running and dry timer on , 120VAC is provided to the High Limit Thermostat on red wire . The High Limit Thermostat is normally closed. (It will open, turning off the heat circuit, if the dryer can't move enough air from problems such as an exhaust restriction) 120VAC goes through the normally closed High Limit Thermostat on the Brn wire to the normally open Air Switch (Sail Switch) on the brown wire. This switch is closed only if the dryer is running and has the correct air flow. With the dryer running and the Air Switch closed, 120VAC is supplied to the gray wire that connects to the Manual Reset Over-Temp Thermostat . 120 volts is supplied through this normally closed contact on the gray wire to the cyclling thermostat. If the cycling thermostat switch is closed calling for heat 120 volts will pass through this switch starting on the bl/wht wire then changes color to black as it leaves this switch and goes to the transformer. This transformer steps 120VAC down to 24VAC. There is a 1.5 amp in-line fuse that protects the Control Transformer on the red wire . 24 volts is supplied to the Spark Ignition Module (Ignition Controller) by the Control Transformer on the red wire after the fuse. The Spark Ignition Module will then send high voltage to the Spark Electrode via the High Voltage Lead (this lead looks like an automotive spark plug wire). The Spark Ignition Module also sends 24VAC to the Gas Valve Coils at the same time which open the Gas Valve. After ignition occurs and is proven the high voltage sparking stops and flame is sensed on the flame sensor and allows the gas valve to stay open and continue burning. If ignition does not occur, the Spark Ignition Module will spark for 10 seconds and then it locks out. To reset the Spark Ignition Module the dryer loading door must be opened for 10 seconds or power removed and restored to allow a reset .

30lb. Compact Stack Dryer Schematic

Over Temperature Thermostat

(Manual Reset Safety Shutoff Thermostat)

This thermostat is manually reset by pushing in the red button. The Over Temperature Thermostat is a safety backup for the entire Heat Circuit. If the dryer over heats the Over Temperature Thermostat opens the heat circuit until it is manually reset.

30lb. Compact Stack Dryer Schematic

Cool Down

As the Dry Timer times out, 120 volts on the black wire passes through the "A" contacts on the dry timer to the "C" contact on the Cool Down Timer and then to the Cool Down Timer motor which starts timing down. While this timer motor runs no power is allowed to the heat circuit but the basket motor will continue to run. This Cool Down period allows the clothing (zippers, snaps, etc.) time to cool down to a temperature that is easily handled by customers.

End of Cycle

At the end of the cool down time the switches in the timer resets and the Drive Motor stops.

Section

DRYER Trouble Shooting

Symptom	Probable Cause	Suggested Remedy
Tumbler does not turn	Drive belts	Check both drive belts. Replace if failed.
	Over temperature Thermostat	Check to see if manually resettable thermostat is kicked out. Reset by pushing red reset button.
	Drive motor	Check capacitor and motor. Replace if failed
	Door switch	Check door switch contacts and adjustment. Adjust or replace door switch.
	Timer	Check to see if heat timer or cool down is turned on
Tumbler turns but no spark at burner	Glass fuse	Check small glass control fuse in back of dryer. Replace if failed.
	Ignition Transformer	Check for 24VAC output from transformer. Replace if no voltage.

Symptom	Probable Cause	Suggested Remedy
Tumbler turns but no spark at burner (continued)	Ignition control	Check for 24VAC coming into the control on the red wire. If voltage, then check for 24VAC out on the brown wire. Also check for spark at the ignitor. If no 24VAC output or no spark to the ignitor, replace ignition control.
	Air Flow Switch	Check air flow switch to be sure it closes when dryer is running. If not, adjust or replace switch.
	Hi-limit	Check for continuity. Should be 0 ohms resistance when cold. If not, replace thermostat.
	Gas supply	No gas can cause system lockout
	Transformer	Measure voltage at Ignition system transformer should have 115 V on primary side and 24VAC on secondary side going to Ignition Control at red and yellow wire.
Tumbler turns, ignition sparks, no flame	Gas supply	Make sure gas supply is flowing.
	Gas pressure	Make manometer check of gas pressure. Adjust if necessary to 3 1/2" WC (natural) while burning.
	Spark electrode	Check for damage to electrode or mounting. Replace if necessary.
	Gas valve	Check coil continuity, replace valve if failed.
	Ignition Control	Check for 24VAC to gas valve coils. If no voltage replace ignition control.
Slow drying	Air flow restrictions	1. Check lint screen and clean if necessary. 2. Check exhaust for correct length and clean if necessary. 3. Check exhaust damper to insure that it opens when dryer is running and closes when dryer is not in use. 4. Check makeup air to insure that it is adequate. Increase makeup air if necessary.
	Thermostat	Check for continuity at switch contacts.Replace if no continuity.
Manual overtemp Tripping Frequently	Recirculating chamber Lint Accummulation	Remove manual overtemp thermostat and inspect in chamber for excessive lint build up . Access also gained to this chamber by removing recirculation duct mounted at bottom of chamber.
	Exhaust ducting Excessive lint buildup	Remove exhaust duct at rear of dryer and inspect for excessive lint build up in complete duct from dryer to where duct exits building.

DRYER PREVENTIVE MAINTENANCE (PM) REQUIREMENTS

MAKE SURE ALL POWER IS DISCONNECTED BEFORE MAKING CHECKS INSIDE MACHINE.

DAILY

1. Clean lint screen with soft brush and check for rips or tears. Replace as necessary

MONTHLY

1. Clean lint from motor end bells and dryer controls area.
2. Clean lint from lint screen compartment.
3. Clean lint accumulation from top and all around area above burner housing.Failure to keep this section of dryer free from lint can create a fire hazard.

SEMI-ANNUALLY

1. Check V-belts for cracks,wear ,fraying,or looseness.
2. Check tightness of all fastners holding parts to any support channel.
3. Clean all lint accumulation from front panel,lint screen,and around burner housing.
4. Place a few drops of light oil on top and bottom pivots of the door hinge.
5. Inspect door glass gasket for excessive wear.
6. Clean lint accumulation from primary air ports in burners.
7. Check intermediate drive pulley bushings for excessive wear.

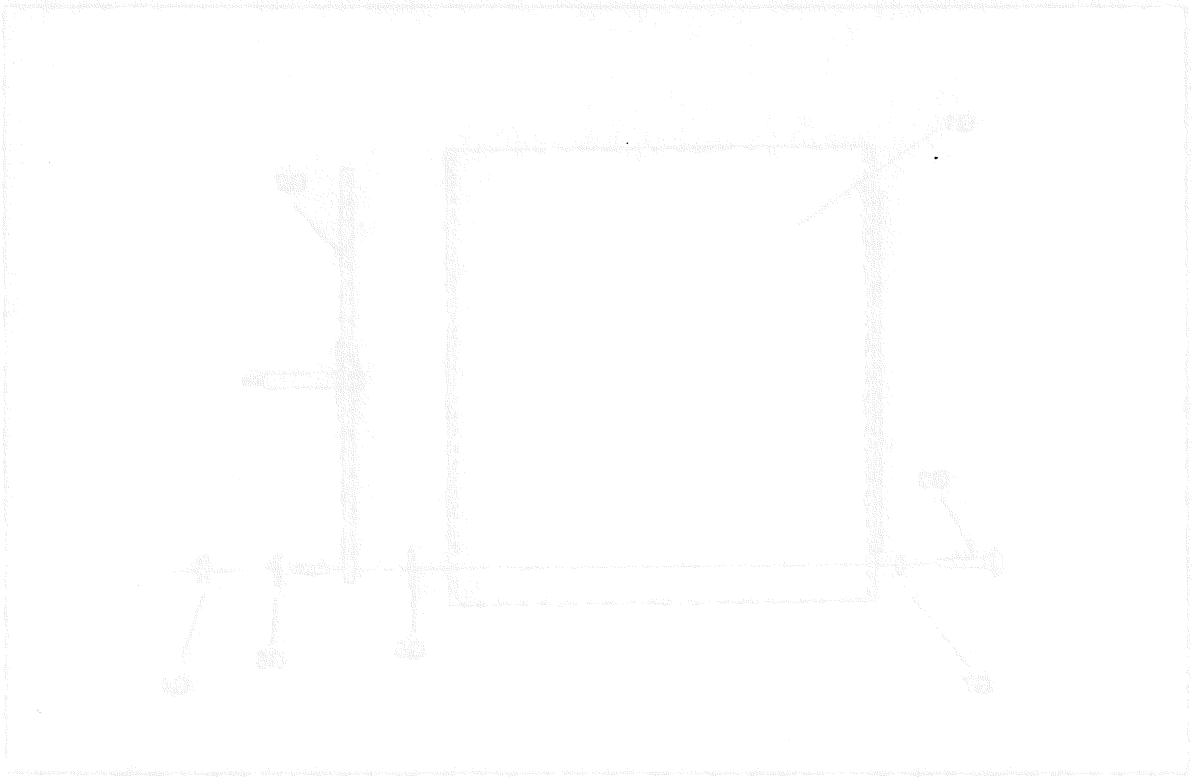
ANNUALLY

1. Remove,inspect and clean main burner orfices of obstruc tions or dirt and also primary air ports in burners.
2. Grease bearings at intermediate drive pulley zirk grease fitting.
3. Remove and inspect exhaust ducting of any lint accumulation in exhaust system all the way out to exit walls or roof .
4. Check tumbler shaft retaining nut for 125 Ft.Lb. torque * .

* PLEASE NOTE THAT WE HAVE EXTENDED THE TIME BETWEEN CHECKS AFTER SERIAL NUMBER #149253 AND WHEN YOUR NEXT QUARTERLY SCHEDULED PM CHECK IS DUE YOU MAY INSTALL LOCKTITE #271 ACROSS THE THREADS AND TIGHTEN TO 150 FT. LB. AND THIS WILLTHEN EXTEND YOUR NEXT PM CHECK TIME TO ANNUALLY.

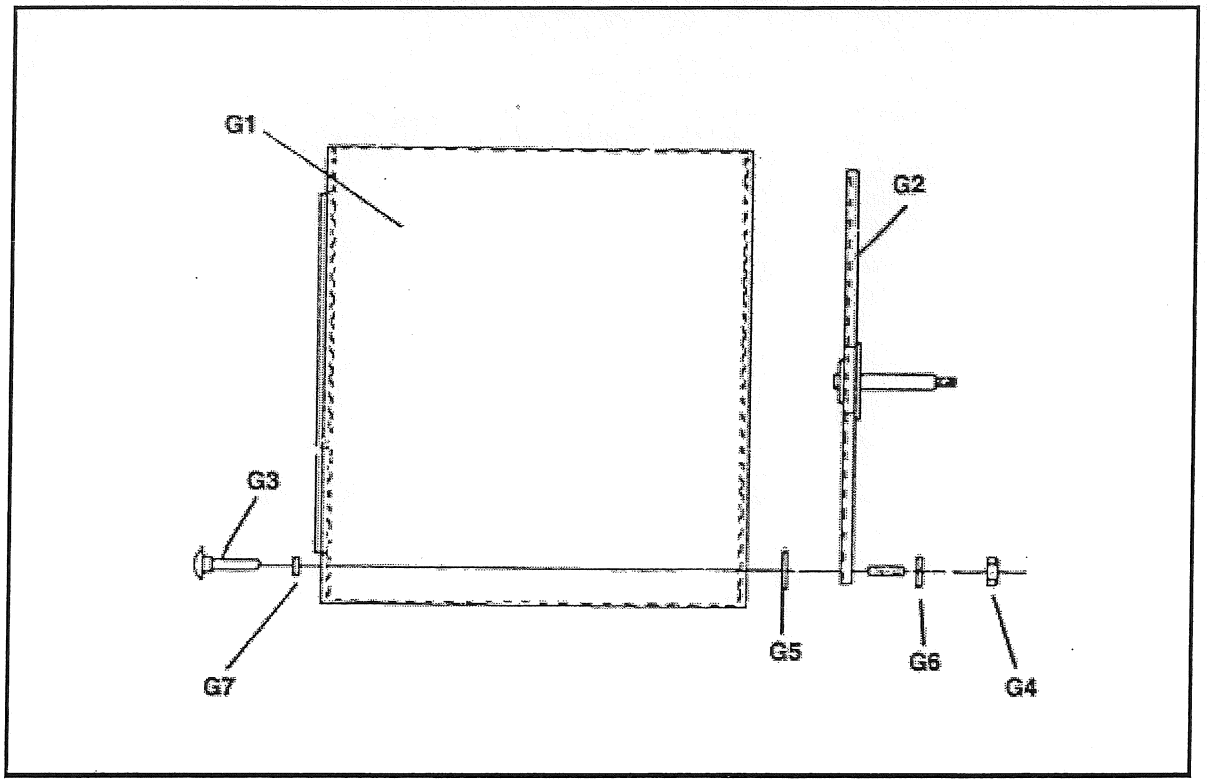
OPL DRYER LABELS AND WIRING GROUP

Key	Part Number	Description	
	9627-785-001	Wiring Harness- Controls,Main OPL	1
	9631-403-002	Wire, Hi Voltage, Spark type	1
	9627-678-001	Wiring Harness, Low Voltage Ignition between igniter&controller	1
*	8502-645-001	Label Instruction	1
*	8502-617-001	Label "Made in the USA"	1
*	8502-600-002	Label Warning & Notice	2
*	8511-001-002	Label Quality	1
*	8527-116-001	Decal Manual Timer OPL	1
*	8527-117-001	Decal Temp/Start OPL	1
*	8527-112-001	Decal Lighting & Clearance	1
*	8636-018-001	Fuse 1.5amp	1
*	9345-900-001	Wiring Schematic	1
*	9345-901-001	Wiring Label Diagram	1
*	8514-042-001	Owners Booklet	1



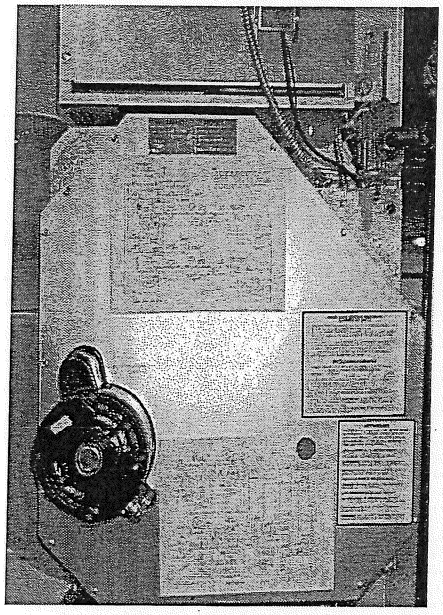
OPL DRYER TUMBLER GROUP

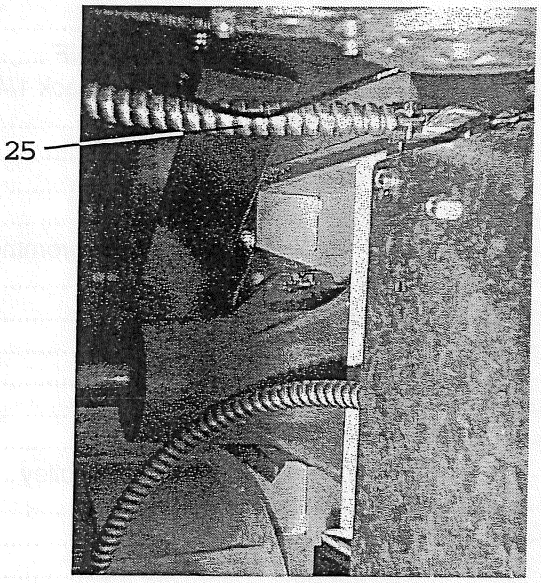
Key	Part Number	Description
G1	9848-112-001	Tumbler Ass'y 1
G2	9568-009-005	Spider Ass'y 1
G3	9497-019-003	Rod, Tumbler 3
G4	8640-415-001	Nut 3/8"-16 3
G5	8641-582-003	Washer, Spring Lock 3
G6	8641-554-001	Washer, Special 3
G7	9552-013-000	Shim ..... AR
*	9551-019-006	Perforated Basket Material Only (not formed flat stock only) .....

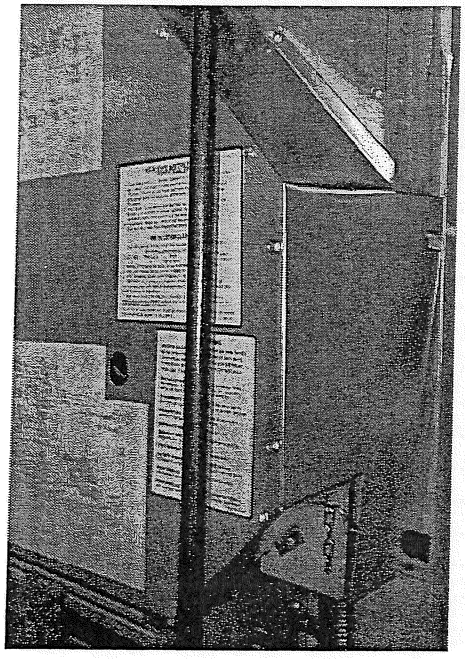


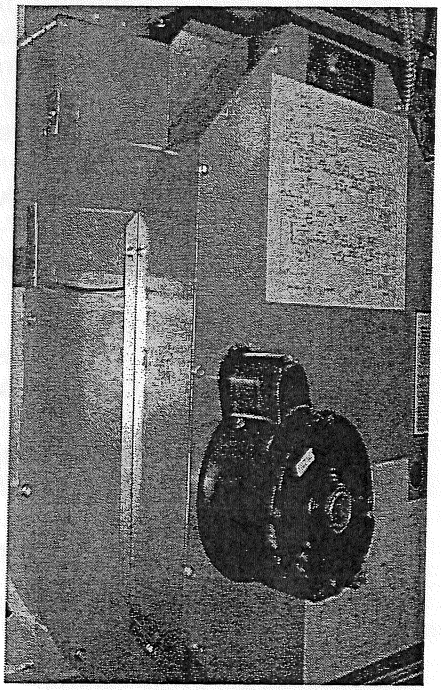
OPL REAR PANEL GROUP

	Key	Part Number	Description	
*		9208-048-001	Guard, Drive	1
*		9454-649-001	Panel, Drive Guard, RH side	1
*		9989-444-001	Panel, Drive Guard, LH(complete assembly 2 pieces below)	1
*		9454-650-001	Panel, Drive Guard, LH side	1
*		9029-049-001	Bracket Driveguard	1
*		9545-008-024	Screw 10ABx3/8	18
25		9973-029-001	Heat Recirculation Assembly Duct	1



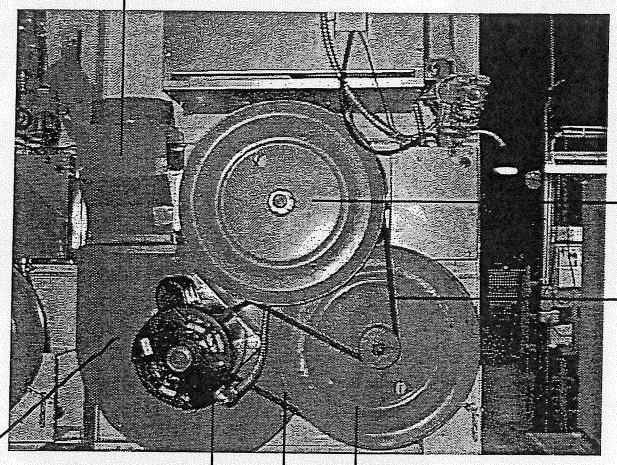






OPL DRYER REAR VIEW

Key	Part Number	Description	
*	9801-060-001	Switch Assy, Air Flow	1
1	9539-461-009	Switch, Air Flow	1
2	9029-044-001	Bracket, Switch- Air Flow	1
3	9008-007-001	Actuator, Switch	1
4	9451-169-002	Pin, Cotter	1
5	9545-020-001	Screw 4-40x 5/8	2
6	8640-401-001	Nut, Special Twin 4-40	1
7	9550-169-003	Shield, Switch	1
8	9029-046-001	Bracket, Actuator Stop	1
9	9545-008-024	Screw 10ABx 3/8	4
10	9376-296-002	Motor, Drive 115/1/60hz.	1
11	9452-692-001	Plate, Motor Mtg	1
12	8640-413-002	Nut, Motor to Plate 10-32 UNF	4
12	9545-018-019	Screw, Motor Plate to Hsg Back 1/4-20x21/2"	5
12	8641-582-007	Lockwasher	5
12	9538-163-006	Spacer	5
12	8641-581-017	Flat Washer 1/4x7/8	15
12	9209-086-002	Rubber Grommet	5
12	9538-166-006	Grommet Spacers fit inside grommet	5
13	9453-157-001	Pulley, Motor	1
*	9545-028-013	Screw, Set	2
14	9962-015-002	Back Assy, Blower Hsg	1
14	8640-414-004	Nut Hex 1/4-20	9
14	8641-582-007	Lockwasher 1/4	9
15	9278-039-001	Impeller, W/Set Screws	1
16	9991-053-001	Support Assy,for Intermed. Pulley	1
16	9545-029-010	Bolt, Rd Hd 3/8-16x1 1/4"	3
16	9545-029-003	Bolt 3/8-16x1 1/2"	1
16	8640-415-004	Nut FlangeWHZLK 3/8-16	3
16	8641-581-035	Washer, Flat	4
17	9861-022-001	Arm Assy-Tension, Complete	1
*	8641-581-035	Washer, Flat	3
*	9487-200-003	Ring-Retaining	3
18	9908-039-004	Pulley Assy, Intermediate W/bronze bushing	1
19	9908-040-001	Pulley Driven	1
19	9538-164-001	Spacer, Shaft	1
19	9306-006-000	Key, Tumbler Shaft	1
19	8640-222-000	Nut, Hex 1"-14	1
19	8641-582-015	Washer, Lock	1
20	9040-077-001	Belt, Drive- Motor	1
21	9040-073-009	Belt, Drive- Tumbler	1
22	9534-319-002	Spring, Tension	1
23	9099-012-002	Chain, Tension	1
24	9248-022-002	Hook, Tension	1
25	9803-184-002	Damper Housing Assembly	1
25	9545-008-024	Screw, 10ABx3/8	4
25	9125-003-001	Damper	2
25	9451-146-004	Pin-Damper	2
25	8520-141-000	Nut,Spring	4
25	9545-008-026	Screw, 10B x 1/2	3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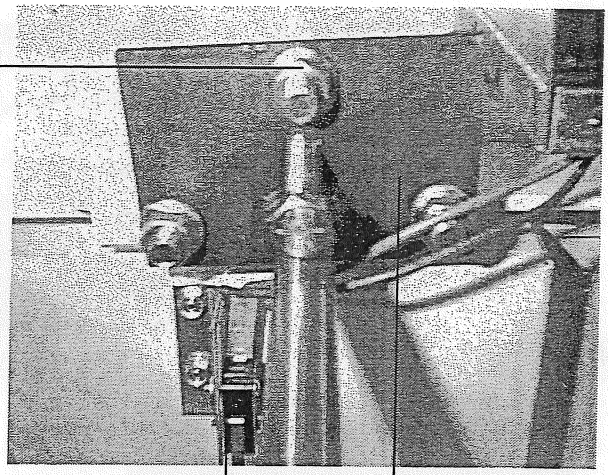
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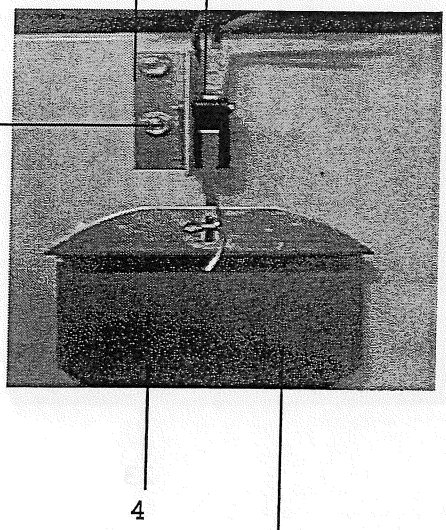
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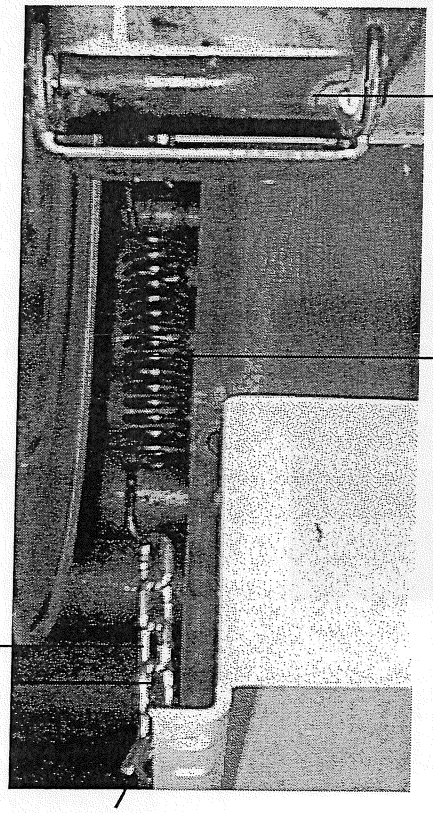
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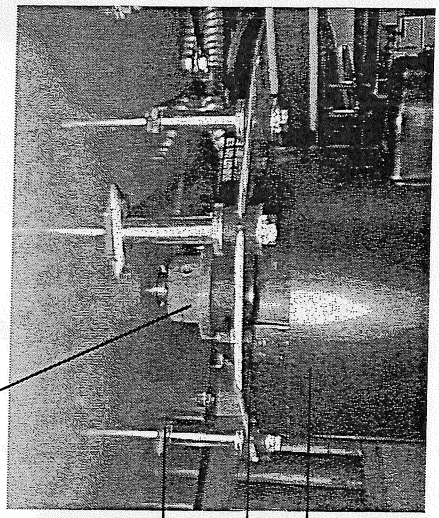
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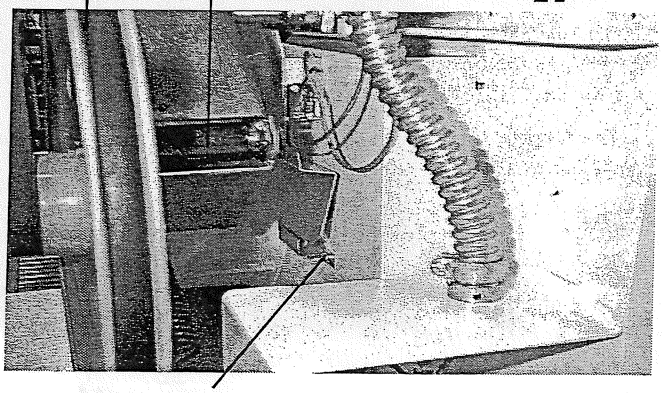
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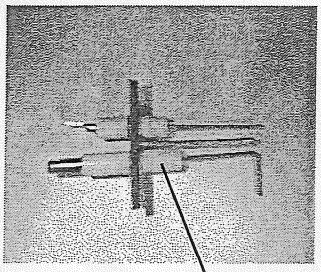
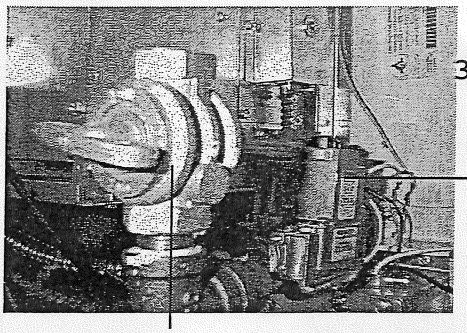
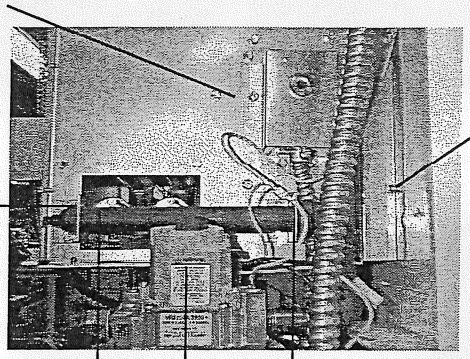
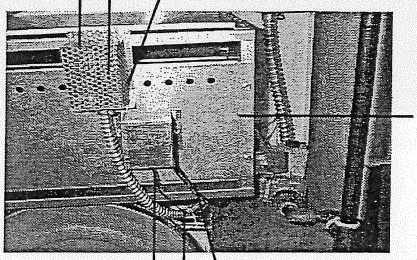
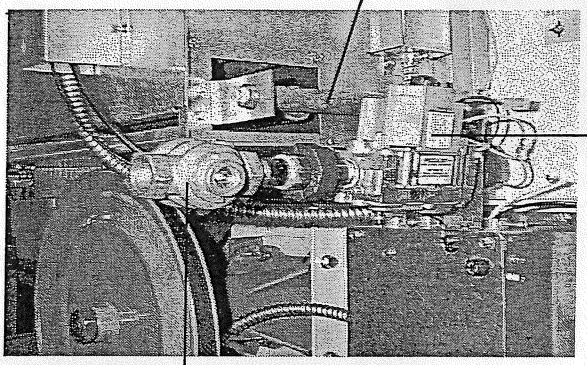


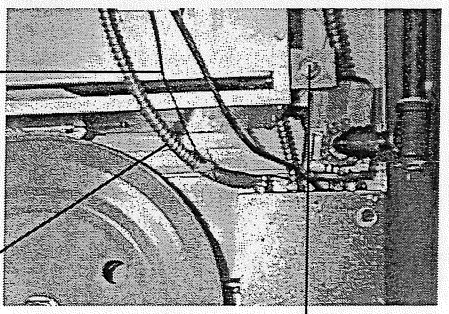


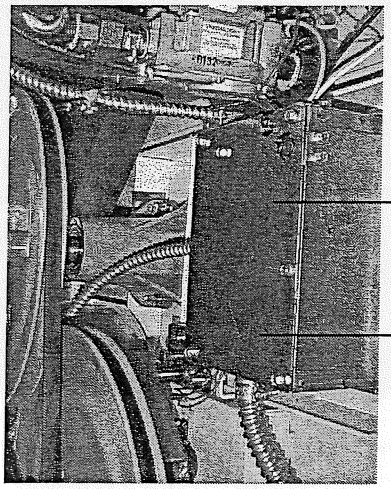
Service Cover

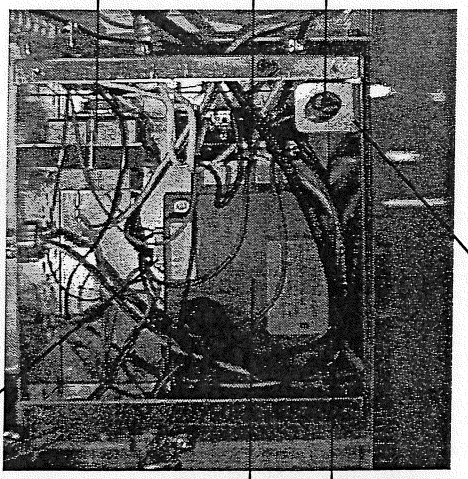










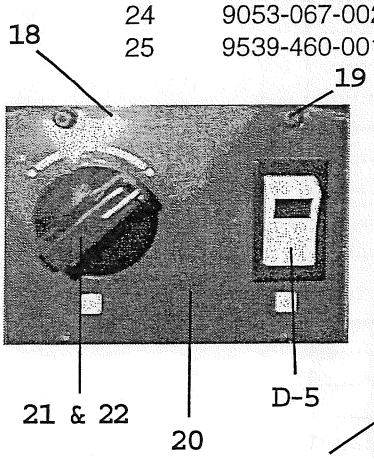


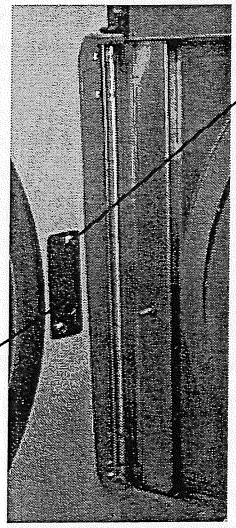
OPL DRYER BURNER HOUSING AND IGNITION CONTROL GROUP

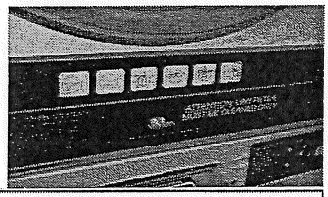
Key	Part Number	Description	
1	9803-185-001	Housing Assembly, Burner	1
*	9454-641-001	Left Buner Plate (burner side) with cleanout	1
*	9452-696-001	Service Cover Plate for overtemp reset	1
2	9545-008-006	Screw 10ABx3/8	4
3	9003-220-001	Angle, Burner Support	1
4	9545-008-006	Screw 10ABx 3/8	2
5	9048-020-001	Burner, Main	2
6	9545-008-006	Screw 10ABx 3/8	2
7	9454-645-001	Panel, Back Burner Housing	1
8	9545-008-001	Screw 10Bx 1/4	4
9	9875-002-002	Electrode Assy, Ignition	1
10	9545-045-001	Screw, Electrode Mtg 8Bx 1/4	2
11	9550-172-001	Shield, Ignitor Terminals	1
12	9545-008-024	Screw, 10ABx3/8	2
13	9379-186-001	Valve, Gas Shut Off	1
14	9029-116-001	Bracket Gas Valve Support	1
15	9545-008-024	Screw, 10ABx3/8	2
16	9857-134-001	Control Assy, Gas	1
17	9381-009-001	Manifold, Assy	1
18	9425-069-009	Orifice, Burner-Natural	2
19	9425-069-008	Orifice, Burner-LP	2
20	9029-047-001	Bracket, Manifold	1
21	9039-915-001	Bracket, Inlet Pipe	1
22	9545-008-006	Screws, 10ABx3/8	4
23	8615-104-038	Pipe Plug in end of burner Manifold	1
24	9452-615-001	Plate Assy, Hi-Limit Stat	1
25	9545-008-006	Screw 10ABx 3/8	2
26	9576-203-002	Thermostat, Hi-Limit	1
27	9538-142-001	Spacer, Hi-Limit used to mount Hi Limit Thermostst	2
28	9545-045-007	Screw 8Bx 3/4	2
29	9074-234-001	Cover, Hi-Limit Stat	1
30	9545-008-006	Screw 10AB x 3/8	1
31	9576-207-008	Thermostat, Safety Shutoff Overtemp Manual Reset	1
32	9545-008-006	Screw 10AB x 3/8	2
33	9825-057-002	Cover, Safety Stat Overtemp Manual reset	1
34	9545-008-006	Screw 10AB x 3/8	2
35	9857-116-002	Control, Ignition	1
36	9545-031-006	Screw 6AB x 1	2
37	8639-621-007	Screw GREEN, 10-32x1/2	1
38	9897-026-001	Terminal Block	1
39	9545-031-004	Screw 6AB x 5/8	2
40	8711-002-001	Transformer, Control	1
41	8640-397-002	Nut, Conduit	1
42	9039-915-001	Bracket Pipe	1
43	9545-008-024	Screw 10AB x3/8	2
44	9631-403-002	Wire, Hi Voltage	1
45	9627-678-001	Harness, Low Voltage Ignition	1
46	9029-048-001	Bracket, Fuseholder	1
47	9545-008-024	Screw, 10ABx 3/8	2
48	9200-001-002	Fuseholder	1
49	8636-018-001	Fuse	1
50	9074-265-001	Cover, Ignition Cntrl. Box small half	1
51	9074-266-001	Cover, Ignition Cntrl. Box large half	1
52	9545-008-024	Screw 10ABx3/8	6
53	9550-173-001	Shield, Burner Inlet	1
54	9545-008-024	Screw, 10ABx3/8	3
55	9732-179-001	Kit, LP Conversion	1

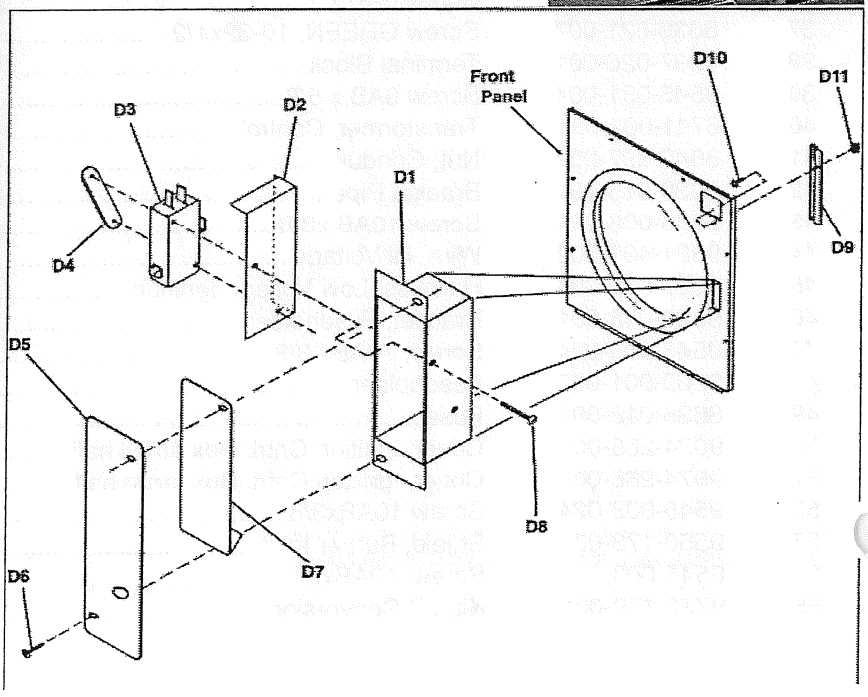
OPL DRYER CONTROL FRONT AND DOOR SWITCH GROUP

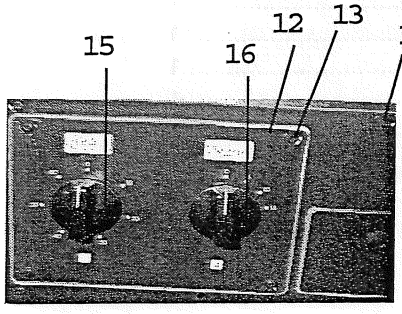
Key	Part Number	Description	
D-1	9041-076-002	Box, Door Switch	1
D-2	9550-159-001	Shield, Door Switch	1
D-3	9539-461-001	Switch, Door	1
D-8	9545-020-001	Screw, Switch Mtg 4-40x5/8	2
D-4	8640-401-001	Nut, Special Twin	1
D-5	9074-255-001	Cover, Switch Box	1
D-6	9545-008-020	Screw, Box Cover 10 AB x3/4	2
*	9209-037-001	Grommet 1/4	1
D-7	9008-004-002	Actuator, Switch	1
D-9	6068-043-001	Conduit, Special	1
D10	9545-012-003	Screw 8-32 x 3 3/16"	1
D11	8640-413-004	Nut, ElasticStop 10-32	1
*	8641-436-000	Washer Fiber type	1
10	9277-048-001	Insulation Front Panel top	1
11	9277-048-002	Insulation front Panel bottom	1
12	9452-686-001	Plate Controls OPL Lefthand side	1
13	9545-031-009	Screw, 6BSDx1/2 Blk	4
14	9545-010-010	Screw 8-32x5/16	4
15	9571-350-002	Timer Dry	1
16	9571-350-002	Timer Cooldown	1
17	9307-176-001	Knob Black Control	2
18	9452-687-001	Plate Control OPL Righthand side	1
19	9545-031-009	Screw, 6BSDx1/2 Blk	4
20	8527-117-001	Decal Temp Start OPL W/D	1
21	9307-176-001	Knob Temp Control	3
22	9576-209-003	Thermostat	1
23	9545-044-006	Screw 6-32x5/16	2
24	9053-067-002	Bushing for wire	
25	9539-460-001	Start Push Type	1





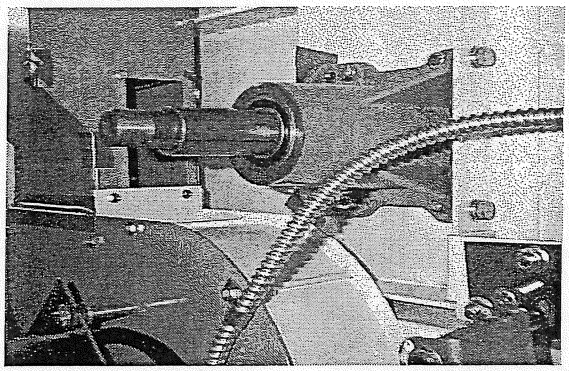


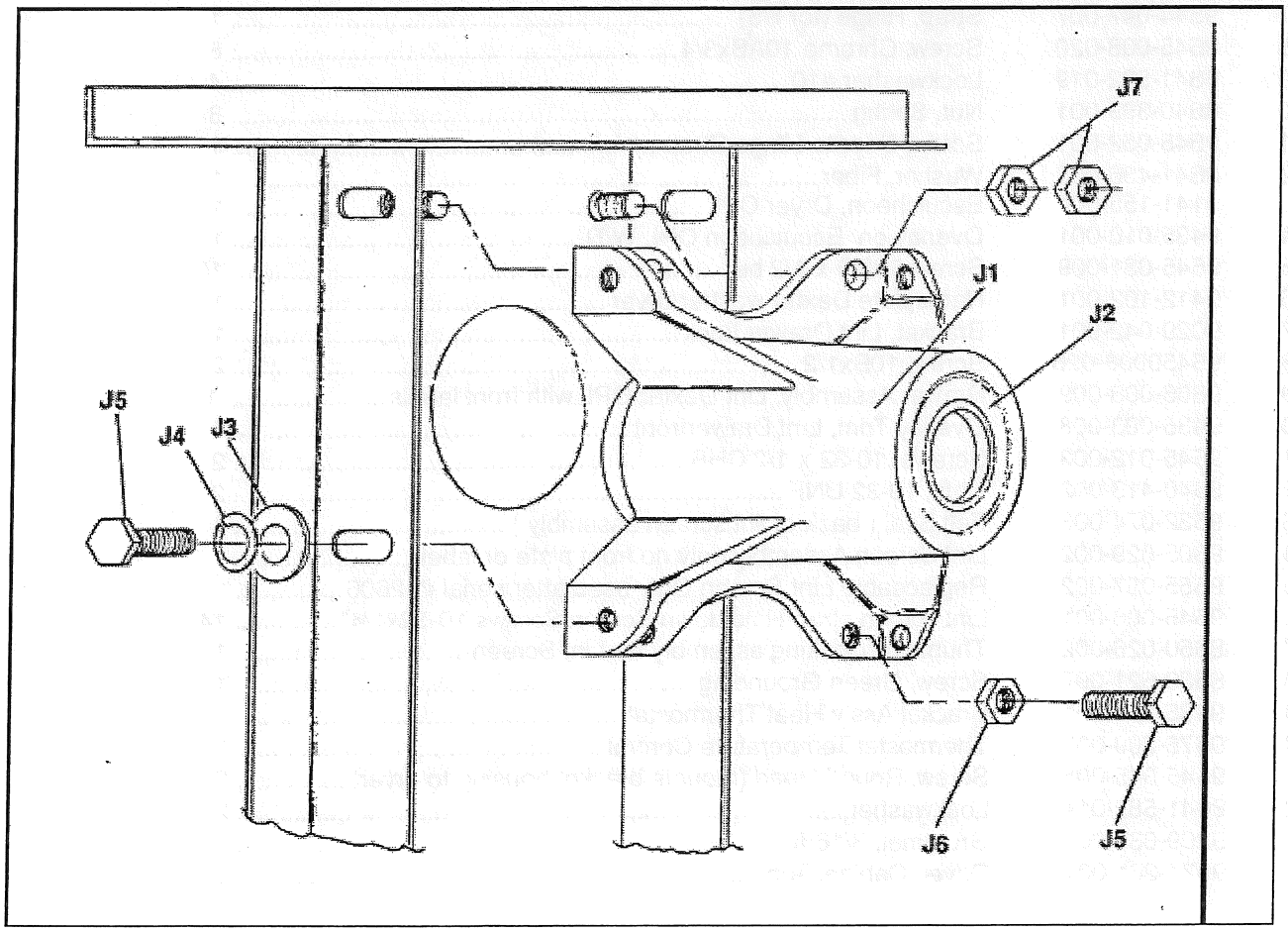




OPL DRYER BEARING HOUSING GROUP

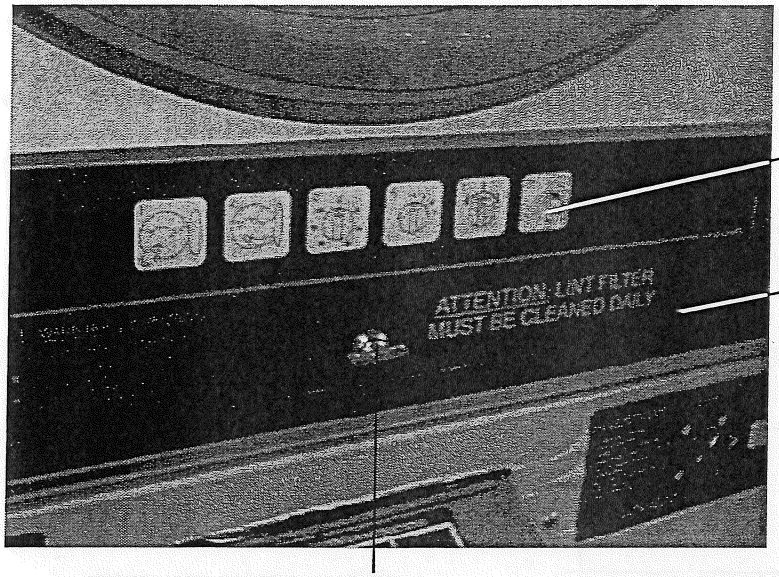
Key	Part Number	Description	
J1	9241-161-002	Housing, Bearing	1
J2	9036-130-001	Bearing, Ball	2
*	9538-139-002	Spacer, Bearing	1
J3	8641-581-009	Washer, Flat	4
J4	8641-582-003	Lockwasher	4
J5	9545-049-001	Screw, 3/8-24x1	6
J6	8640-415-002	Nut, 3/8-24	2
J7	8640-400-002	Nut, 5/16-18	4
*	9803-160-003	Bearing Housing Complete Ass'y (includes bearings,spacer)	1





OPL DRYER CABINET GROUP

Key	Part Number	Description	
*	9960-256-030	Door Assy., Loading Complete-SS	1
1	9960-255-008	Door Assy., Loading-SS(ring only)	1
2	9982-280-011	Plate Assy., Hinge (SS)	1
*	9545-012-015	Screw, Hinge to Door 10-32x3/8	4
*	8640-413-002	Nut, Hinge to Door10-32 UNF	4
3	9212-002-003	Glass, Door	1
4	9206-164-009	Gasket, Glass	1
*	9548-117-000	Support, Door Glass	1
5	9206-420-002	Gasket, Outer Rim	1
6	9244-082-001	Handle, Loading Door	1
7	9545-018-017	Screw, Handle 1/4-20x3/8 pan head	2
8	9531-033-001	Stud, Door Catch	1
9	8640-413-003	Nut, Acorn 10-32	1
10	8640-413-001	Nut, Hex 10-32	1
11	9086-015-002	Catch, Loading Door	1
12	8638-190-009	Rivet pop for mounting catch	2
13	9545-012-003	Screw 10-32x1/2 CHR	2
14	8640-413-004	Nut Elastic 10-32	2
15	8641-436-000	Washer Fiber	2
16	9989-468-001	Panel Assy., Front- OPL Dryer (SS)	1
17	9544-047-007	Strap, Hinge (for SS)	1
18	9545-008-020	Screw, Chrome 10ABx3/4	8
19	8641-582-019	Lockwasher #10	4
20	8640-399-001	Nut, Spring	8
21	9545-052-001	Screw, Door to Hinge Strap	1
22	8641-436-003	Washer, Fiber	1
23	9141-155-001	Escutcheon, Dryer OPL	1
24	9435-010-001	Overlay on Escutcheon OPL W/D	1
25	9545-031-009	Screw 6BSD x 1/2 blk.	10
26	9412-102-001	Nameplate Dexter washer/dryer	1
27	9029-042-001	Bracket, Lint Drawer Lock	1
28	95450008-026	Screw, 10Bx1/2	2
29	9866-003-009	Drawer Assembly, Lint Dexter OPL with front labels	1
30	9435-003-008	Overlay Trim, Lint Drawerfront	1
31	9545-012-003	Screws, 10-32 x 1/2 CHR	2
32	8640-413-002	Nuts, 10-32 UNF	2
33	9532-074-003	Felt Seal (back of lint screen assembly)	1
34	9805-029-002	Lint Screen Assembly only no front plate or label	1
35	9555-057-002	Replaceable Lint Screen Only used after serial #12606	1
36	9545-008-001	Lint screen strap Hold down Screen Screws 10-32x1/4"	14
37	8650-026-002	Thumbturn locking assembly for Lint Screen	1
38	8639-621-007	Screw, Green Grounding	1
39	9985-174-001	Bracket Ass'y Heat Thermostat	1
40	9576-209-003	Thermostat Temperature Control	1
41	9545-045-005	Screw, Round Head (mounts bracket housing to dryer)	2
42	8641-582-014	Lockwasher	2
43	9209-037-002	Grommet, 3/16 ID	1
44	9074-261-001	Cover, Cabinet Top	1



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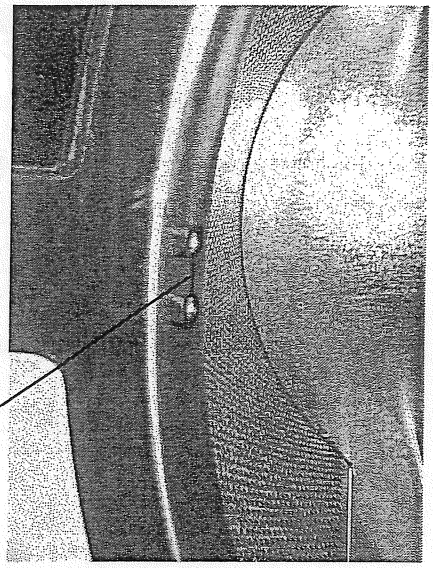

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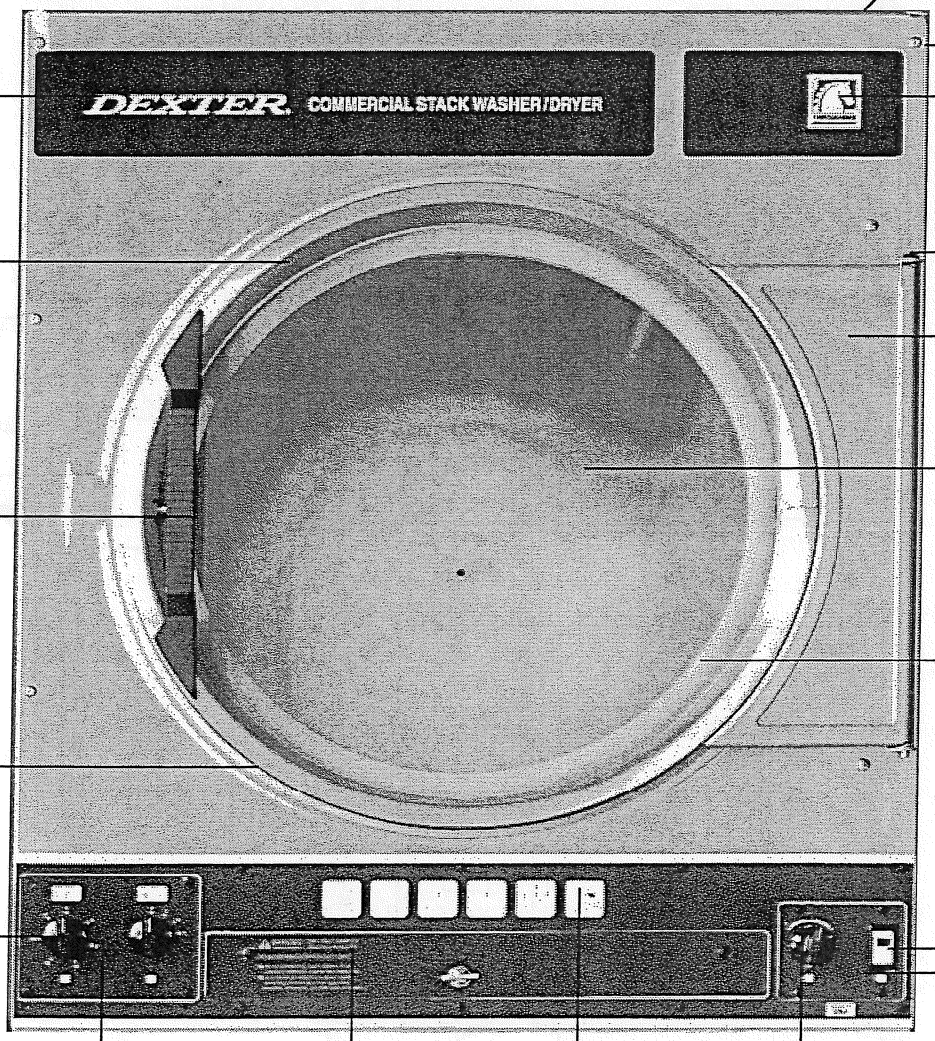

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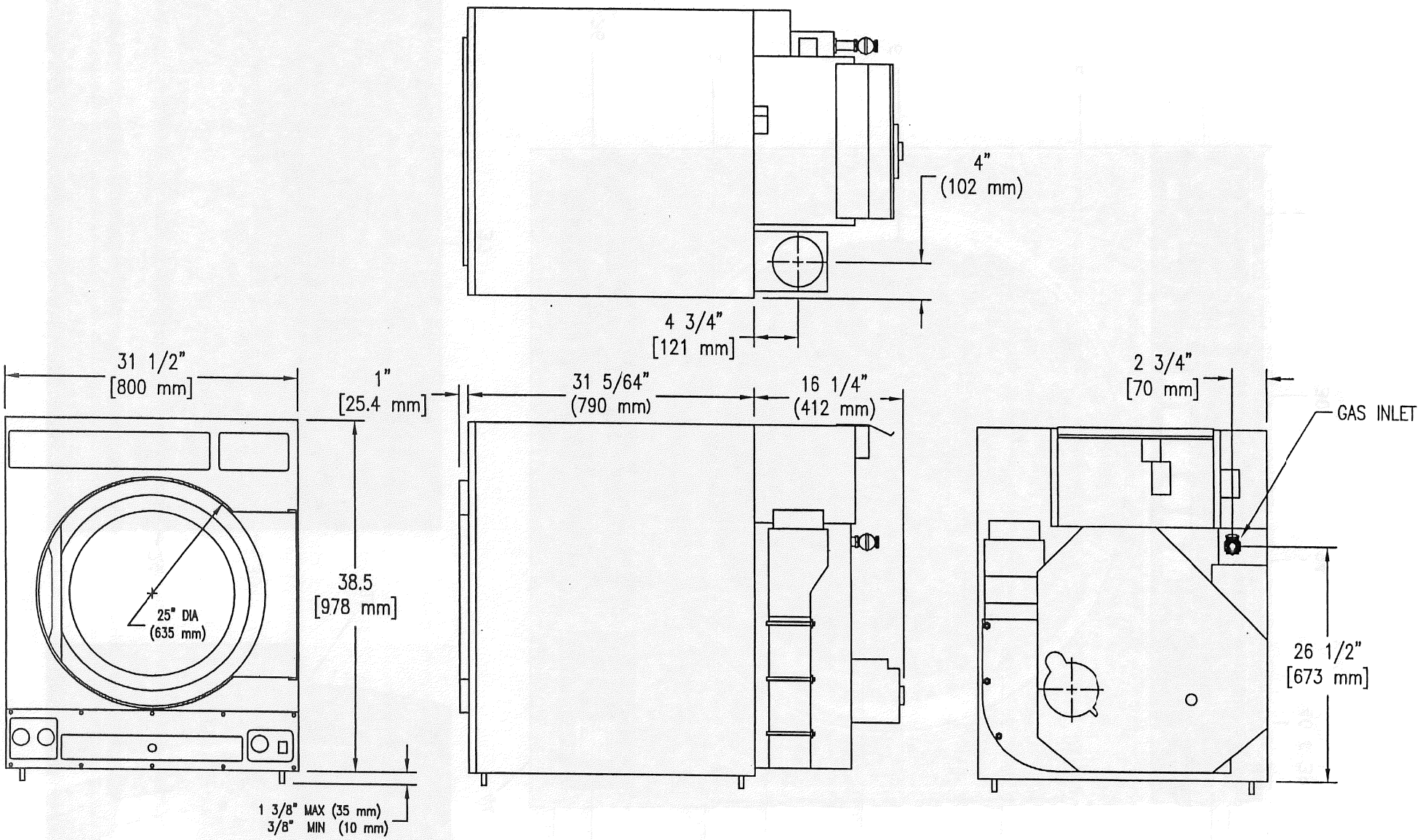


FIGURE 1– Dryer Dimensions

OPL Washer Parts Data

Accessories

Models WSTD25HTS-12 208-240 volts 60hzSingle PhaseorThree Phase
Models WATD25HTS-12 208-240 volts 60hzSingle Phase or Three Phase

MODELS
WSTD 25

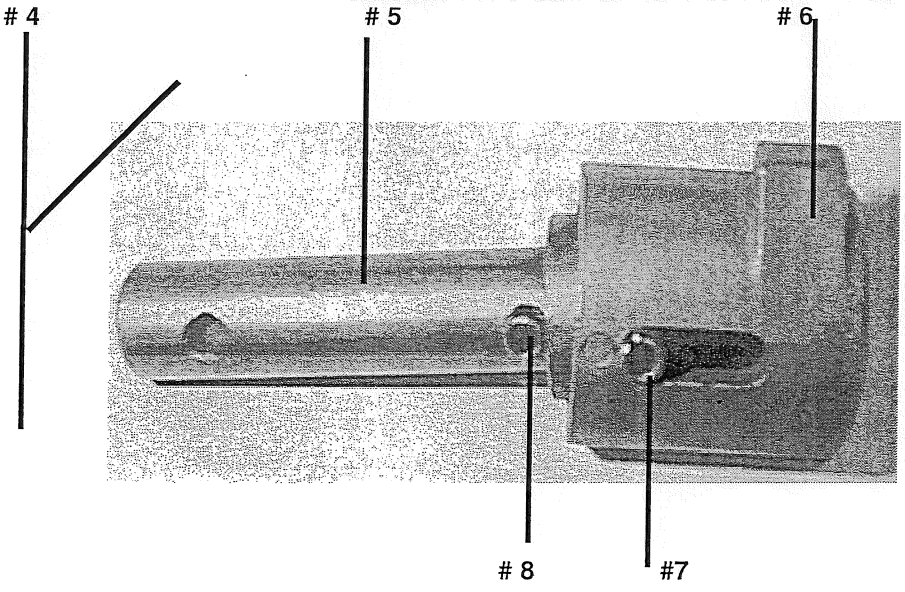
Part Number	Description	
Grip-O-Matic #1038	Puller to Remove Pulley and Bearing Housing from Shaft.	
9990-027-011	Hose, Water Supply (furnished) 3/8" I.D. x 48"	2
9990-027-013	Hose, Water Supply (optional) 5/8" I.D. x 48"	
8641-242-000	Washer, Inlet Hose (furnished)	2
9565-003-001	Strainer, Inlet Hose (furnished)	2
9242-417-001	Drain hose 10 ft. lenght x 2-1/4" I.D.	
9242-417-003	Drain hose 10ft. length x 3" I.D.	
8641-586-002	Bevel Washer for 5/8" bolt used in installations using angle iron bases	
8641-586-003	Bevel Washer for 3/4" bolt used in installations using angle iron bases	
9732-139-001	Kit , Door Gasket Expander (large)	
9732-139-002	Kit , Door Gasket Expander (small)	
8545-055-002	Electrical Probe 100-600VAC	
8545-055-001	Electrical Probe 24-90 VAC	
8538-151-001	Sealing compound	
8545-051-002	TORX#20	
8545-051-003	Special Tool For Removing (T-10 Torx)	
9475-002-003	STKWD Flow Restrictors (in dispenser)	
9732-207-002	100G Delta Drive to Replace Magentek in SCTD SWD	
9732-207-001	200G Delta Drive to Replace Magentek in SCTD SWD	

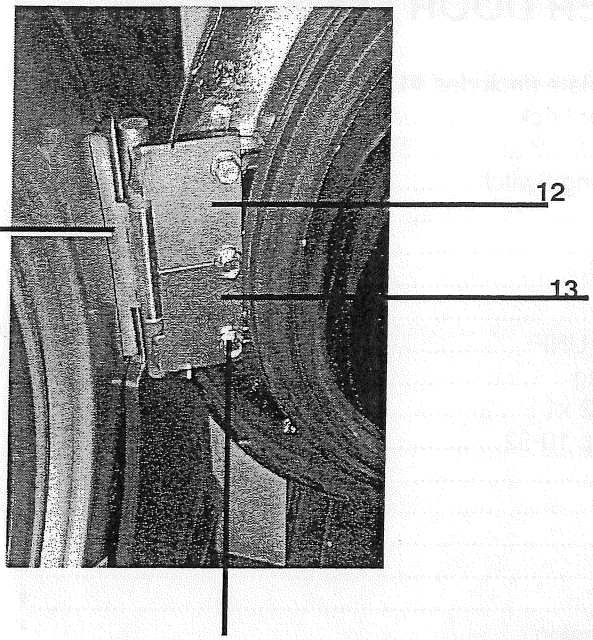
OPL WASHER LOADING DOOR GROUP

180 DEGREE DOOR HINGE

KEY	PART NUMBER	DESCRIPTION	
*	9960-259-006	Loading Door, Complete (includes #1thru #10)	.1
1	9487-265-002	Loading Door Ring 180 degree	.1
2	9206-419-001	Gasket, Loading Door	1
3	9635-016-001	Window, Loading Door	.1
4	9913-134-003	Shaft Assy. Locking (includes #5 thru #8).see below	.1
5	9537-195-002	Shaft, Door Locking	.1
6	9095-040-001	Cam, Locking	1
7	9451-181-005	Pin, Groove (1 1/4)	.1
8	9451-181-004	Pin, Groove (3/4)	1
9	9534-360-002	Spring, Lock Cam	1
10	9244-080-003	Handle, Door	.1
17	9451-181-006	Roll Pin, Door Handle (groove)	1
11	9955-030-001	Hinge Assy, Loading Door (mounts to tub front)....	.1
*	9545-014-009	Screw, Hinge Mtg 5/16-18 x3/4	3
*	8641-582-009	Lockwasher 5/16	3
*	9552-036-001	Shim, Loading Door Hinge, Thin	.AR
*	9552-036-002	Shim, Loading Door Hinge, Thick	.AR
12	9845-005-001	Top, Loading Door Leaf Hinge	1
13	9845-005-002	Bottom, Loading Door Leaf Hinge	1
16	9545-056-002	Screw, Loading Door Mtg 5/16x5/8 Thrdform.	1
15	9487-254-002	Ring, Masking	1
*	8640-413-002	Nut 10-32 UNF	.4
*	9051-053-001	Bumper to stop loading door	1

* Not Illustrated

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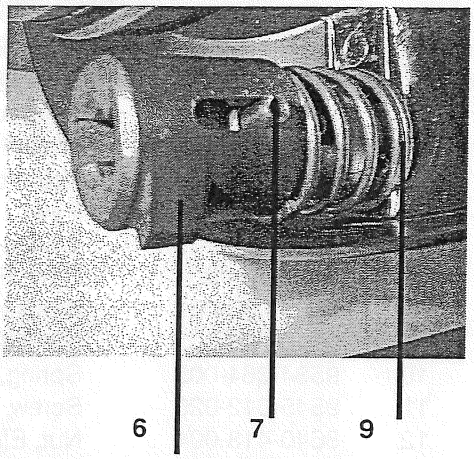
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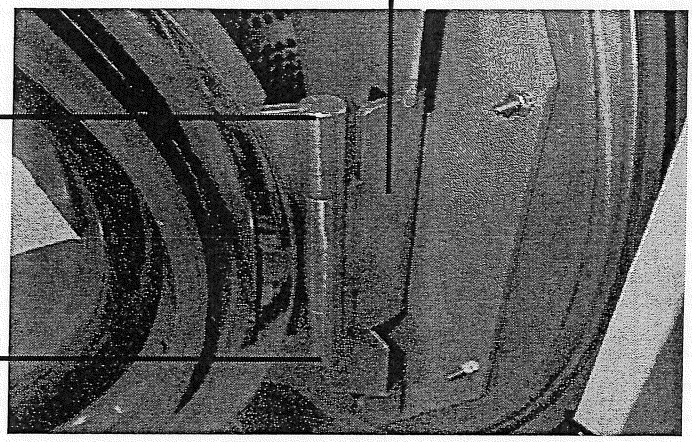
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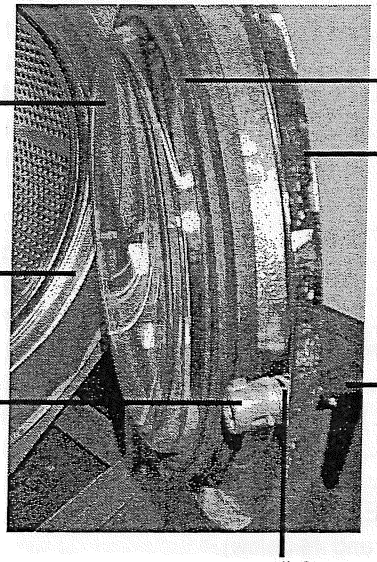
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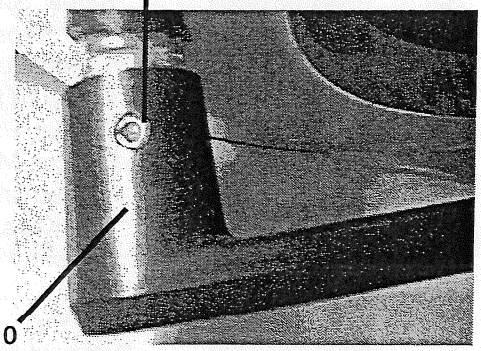
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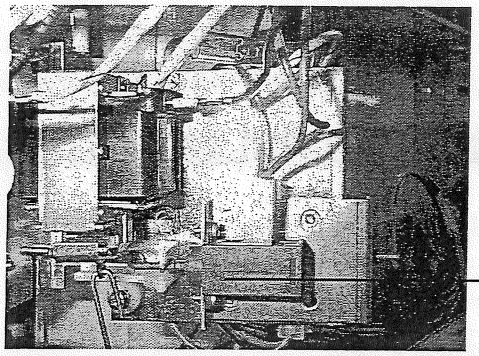
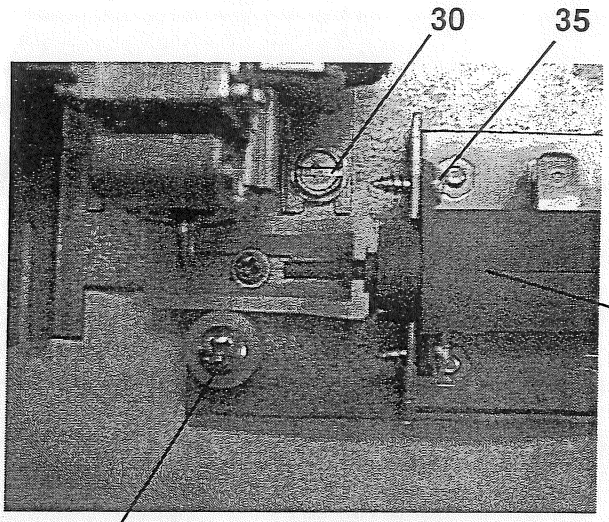
10

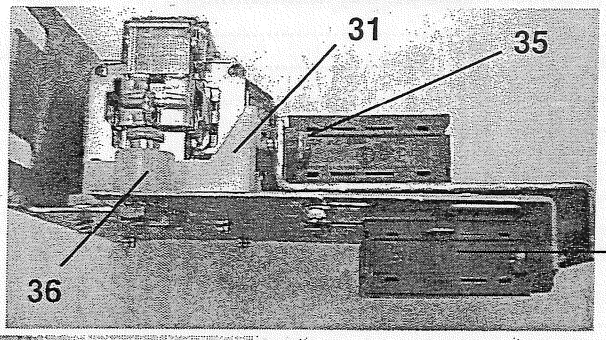
OPL WASHER DOOR LOCK GROUP

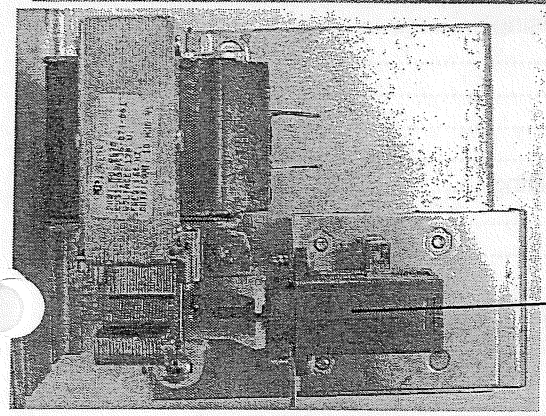
Key	Part Number	Description	
*	9885-023-001	Lock Assy, Complete (includes #1 thru #25)	1
1	9982-284-001	Plate Assy, Door Lock	1
2	8641-581-030	Washer, Flat	1
3	9008-005-001	Actuator, Latching Switch	1
4	9450-002-002	Pawl, Locking	1
5	8641-569-003	Washer, Spring	1
6	9487-200-004	Ring, Retaining	1
8	9029-035-001	Bracket, Switch	1
9	8640-413-002	Nut, Hex 10-32 UNF	2
10	9534-364-002	Spring, Actuating	1
11	9545-012-020	Screw, Hx 10-32 x1	1
12	8640-413-004	Nut, Elastic Stop 10-32	2
13	9534-364-001	Spring, Return	2
14	9451-192-001	Pin, Pivot	1
*	9451-193-001	Pin, Guide	1
*	9451-190-002	Pin locking	1
15	9487-200-005	Ring, Retaining	1
*	9534-364-002	Spring Compression	1
16	8641-581-031	Washer	2
*	8640-413-004	Nut, Elastic 10-32	1
17	9539-461-008	Switch, Latching Sensing	1
18	9550-169-003	Shield, Switch	3
19	9545-020-001	Screw 4-40x5/8	2
20	8640-401-001	Nut, Twin	1
21	9539-461-007	Switch, Locking Sensing	2
22	9008-006-002	Actuator, Switch	2
23	9545-020-003	Screw 4-40x11/8	2
24	8640-401-001	Nut, Twin	1
25	9451-181-004	Pin, TublarDowel	1
*	9552-037-001	Shim, Door Lock, Thin	AR
*	9552-037-002	Shim, Door Lock, Thick	AR
*	9545-018-014	Screw, Lock mtg1/4-20x3/4	3
*	8641-582-007	Lockwasher	3
*	8640-412-005	Nut, 8-32	3
26	9922-011-007	Solenoid Ass'y Door Locking (includes 27 thru 42)before #448723	1
27	9029-128-001	Bracket, Solenoid	1
28	9985-169-001	Bracket, ass'y solenoid slide	1
29	9536-082-002	Solenoid 120V 60 HZ	1
30	9545-008-001	Screw, Solenoid Mtg 10B x 1/4	4
31	9540-033-002	Stop, Door Lock Solenoid	1
32	9545-061-001	Screw, Shoulder	1
33	8640-411-002	Nut, Keps #6-32 Elastic	1
34	9586-001-001	Thermoactuator 120V	2
35	9545-031-011	Screw 6Tx 5/16	4
36	9538-157-004	Spacer, Plastic	1
37	9538-166-004	Spacer, Metal	1
38	9545-010-001	Screw, Cross Recessed 8-32 x 3/4	1
39	8640-412-005	Nut, Keps #8-32	1
40	9545-044-003	Screws # 6(for mounting sol. brkt.)	3
41	8640-412-005	Nut,	3
42	9497-225-008	Rod, Pull	1
*	9922-011-009	Solenoid Ass'y Door Locking AFTER #448728 (includes same as above except #43 and 44 below)	
43	9029-178-001	Bracket Assembly #27 ABOVE	
44	9985-178-001	Bracket Assembly #28 ABOVE	

* Not Illustrated









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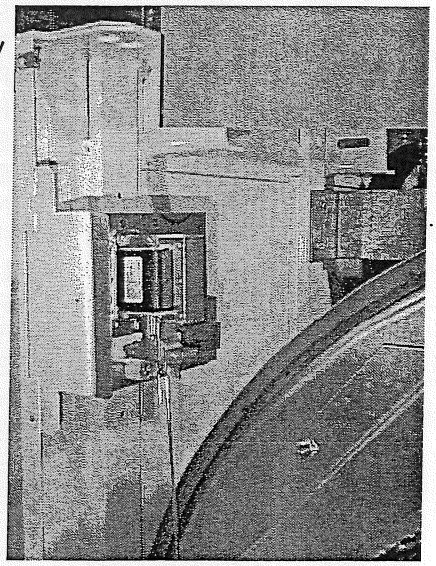
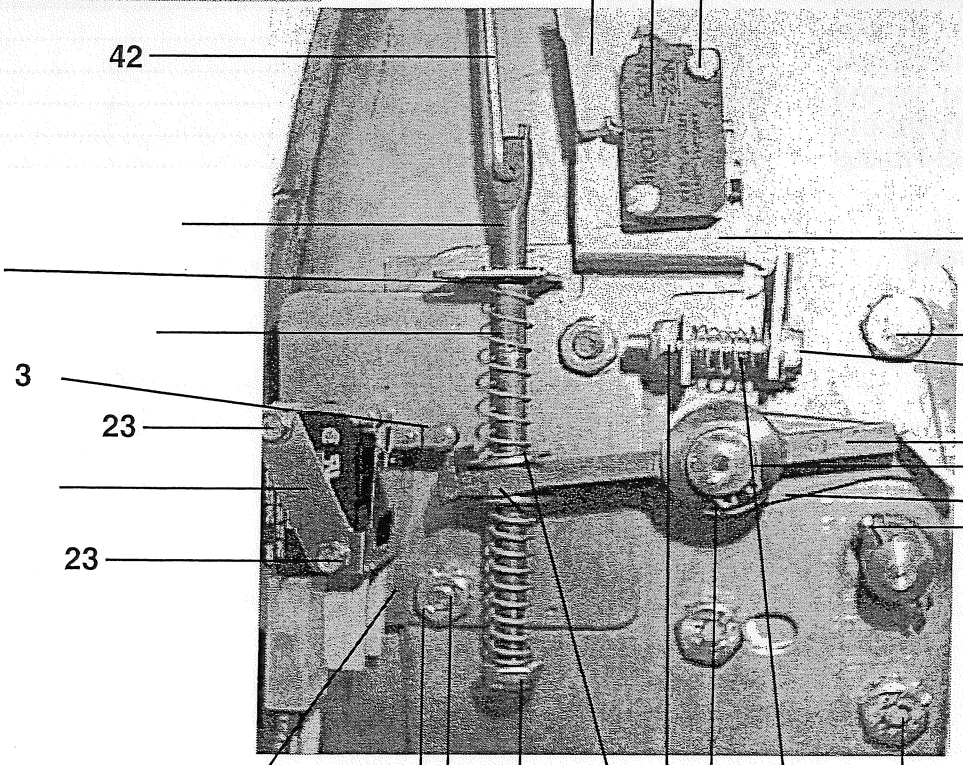


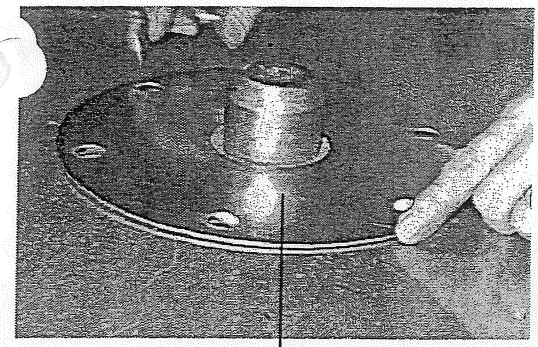


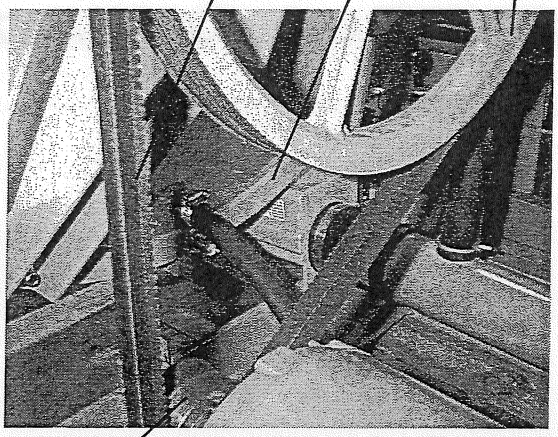
OPL BEARING HOUSING, WATER SEALS AND PULLEY GROUP

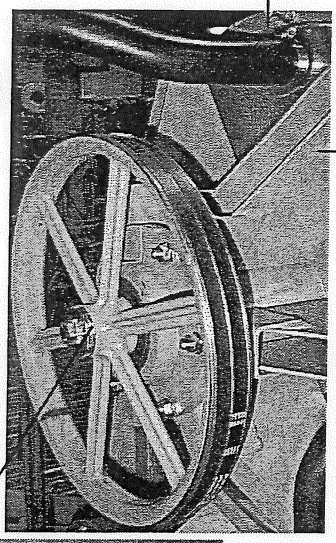
Key	Part Number	Description	
1	9848-120-001	Cylinder, Assy Only	1
*	9869-011-001	Tub & Cylinder Assembly Complete	1
*	9456-041-007	Plug plastic inside cylinder 1 1/2"	1
*	9803-186-001	Housing, Bearing- Assembly (includes items #2-#6)	1
2	9241-180-002	Housing, Bearing	1
3	9036-159-005	Bearing, Front Large	1
4	9036-159-004	Bearing, Rear Small	1
5	9538-167-001	Spacer, Bearing	1
6	9487-238-003	Ring, Bearing Retainer	1
8	9532-140-006	Seal, Secondary Forsheda	1
9	9532-140-009	Seal, Primary VRinga	1
10	9950-048-001	Ring, Seal Mounting complete	1
11	9487-261-003	Ring Seal Tub Back Mating	1
*	9962-013-003	Back Assy, Tub	1
12	9545-060-001	Screw, 5/8 x 1 1/2 Gr. 5 (used at housing)	6
13	8640-425-001	Nut	6
*	8641-581-040	Flat Washer	6
14	8641-582-018	Lockwasher	6
16	9950-041-004	Ring Assy., Tub Mtg.- Rear	1
17	9991-056-002	Support Assy. Arms, Bearing Hsg to Ring	6
18	9545-059-002	Screw, 7/16-14x2"- Tub Back to Tub	12
*	8640-416-005	Nut, Flange WHZ. Lock 7/16	12
*	9552-038-003	Shim	AR
19	9545-059-003	Screw, 7/16-14 x 1 1/2 Gr 8 (used at housing)	6
20	9545-059-002	Screw, 7/16-14 x 2 (used at outer ring)	12
21	8640-416-005	Nut 7/16	18
22	9453-168-003	Pulley, Driven	1
23	9487-234-003	Ring, Tolerance	1
*	9545-060-001	Screw 5/8-11x1 1/2	1
*	8641-582-018	Washer Flat 5/8x2 1/4	2
*	8641-582-018	Lockwasher ext tooth 5/8	1
24	9453-170-003	Pulley, Driver on motor	1

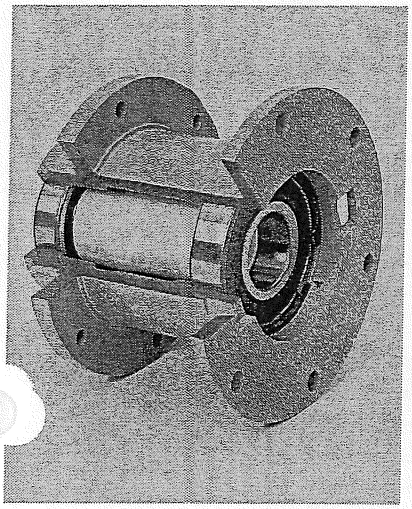
* Not Illustrated

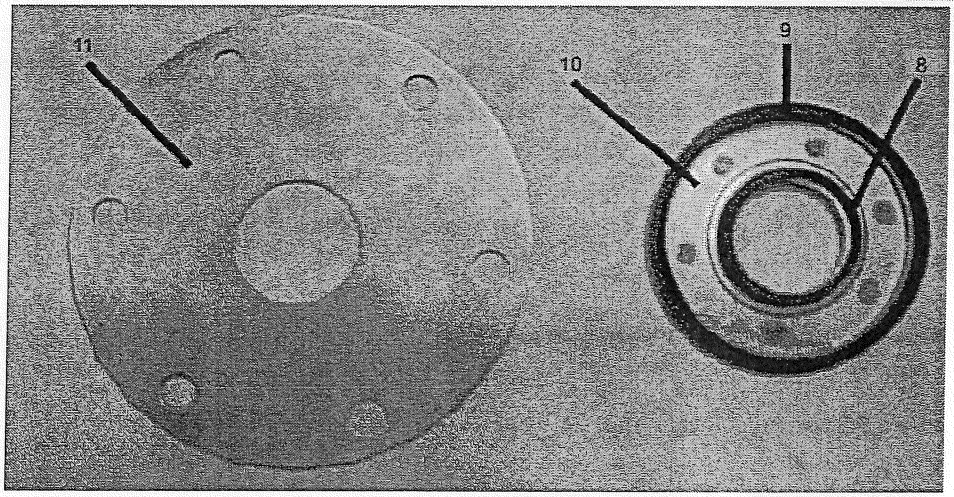
9040-077-003
V-Belt

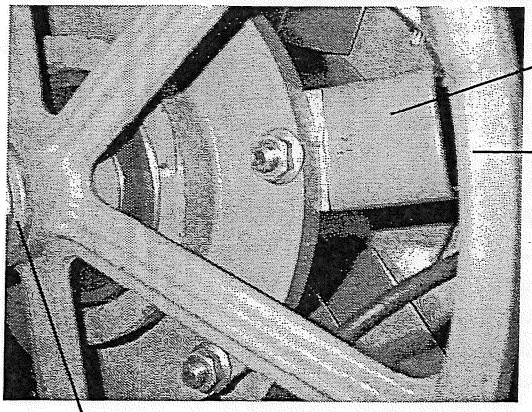




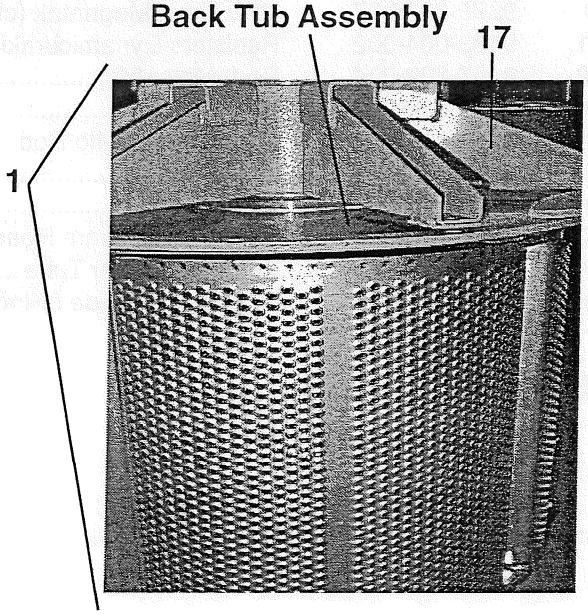








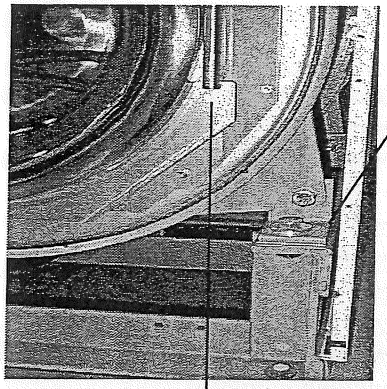
Back Tub Assembly



OPL WASHER CHASIS,MOTOR AND DRAIN GROUP

Key	Part Number	Description	
1	9945-109-002	Base Assy, Frame	1
2	9869-011-001	Cylinder & Tub Assy	1
3	9950-051-004	Ring Assy, Tub Mounting-Front	1
4	9545-017-003	Bolt 1/2-13x13/4	1
5	8641-582-016	Lockwasher 1/2	1
6	8640-417-002	Nut 1/2-13	1
7	9950-049-002	Ring Assy, Tub Mounting- Rear	1
8	9545-059-002	Screw, 7/16	12
	8640-416-005	Nut 7/16	12
9	9003-263-003	Angle Mounting Bracket righthand as viewed from front	2
10	9003-263-004	Angle Mounting Bracket lefthand as viewed from front	2
11	9003-255-002	Bracket Flat Bar Angle Brace (rear base to side panel)	1
12	9545-029-003	Screw, 3/8-16 x 1 1/2	2
13	8640-415-004	Nut 3/8-16	2
14	9545-060-003	Bolt, 5/8-11x1 1/2 Ring Assy. to Angle Mounting Bracket	4
15	9545-060-004	Bolt, 5/8-11x2 Angle Mounting Bracket to Base	4
16	8641-581-038	Flat Washer	4
17	8640-425-001	Nut, Hex	8
18	8641-582-018	Lockwasher 5/8	8
19	9379-187-001	Valve, Drain	1
20	9545-014-012	Screw, 5/16-18x1 1/4	2
21	8640-400-003	Nut 5/16-18	2
22	9915-122-002	Tube Assy, Drain	1
23	9545-030-002	Screw 1/4Bx3/4	2
24	8654-117-014	Clamp, Hose	4
25	9376-301-001	Motor Magnatek 3ph 208-240 VAC 2 HP	1
26	9991-055-002	Motor Plate Support Assembly Mount	1
27	9545-014-004	Screw 5/16-18x5/8	4
28	8640-400-003	Nut 5/16-18	4
29	9534-319-002	Spring Belt tension	1
30	9375-002-007	VFD Drive Magnatek (check matching braking resistor also)	1
31	9483-004-002	Resistors Dynamicbraking (matched with VFD drive) 200 ohms	3
32	9497-222-004	Rod, Motor Mtg	1
33	9076-052-002	Collar, Shaft	2
34	9545-029-005	Screw, Motor Mtg Rod	1
35	8641-582-014	Lockwasher	1
36	9453-170-003	Pulley, Motor	1
37	9545-028-015	Set Screw, Square Head	2
39	8538-151-001	Sealastic Sealer Tube	
40	9456-041-007	Plastic plug inside cylinder 1-1/2"	1

* Not Illustrated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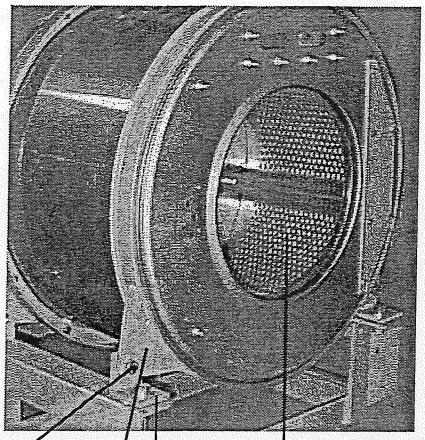
Masking Ring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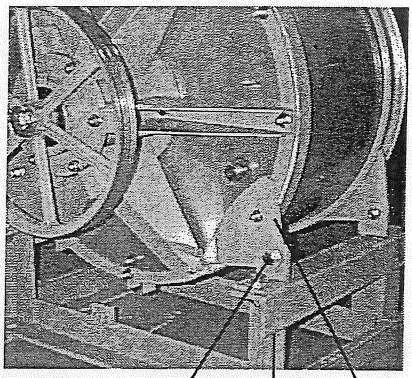
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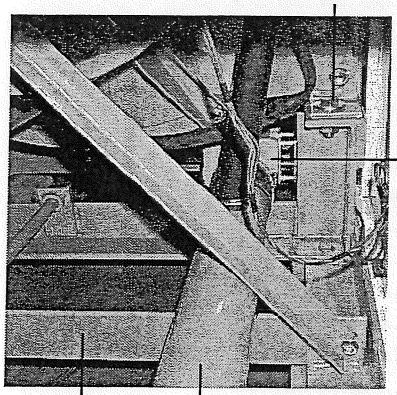
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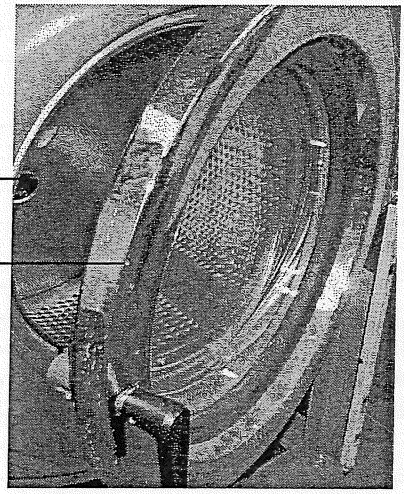
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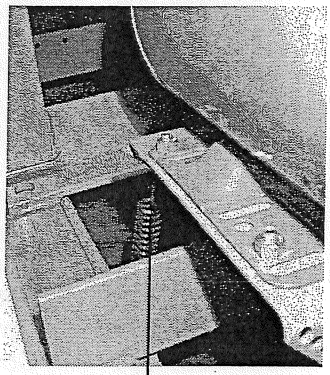
Door Ring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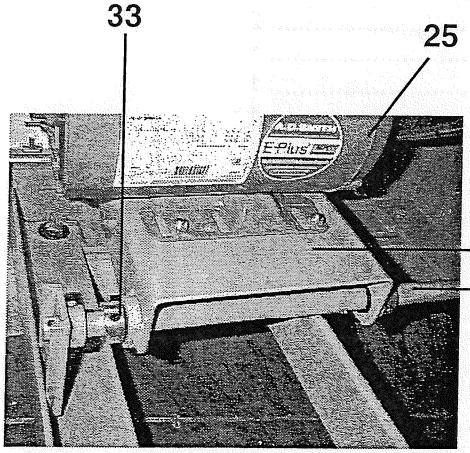
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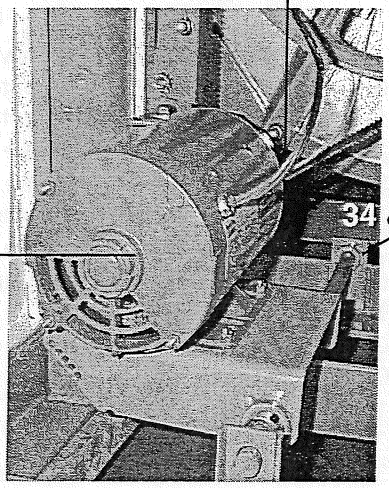
36 & 37
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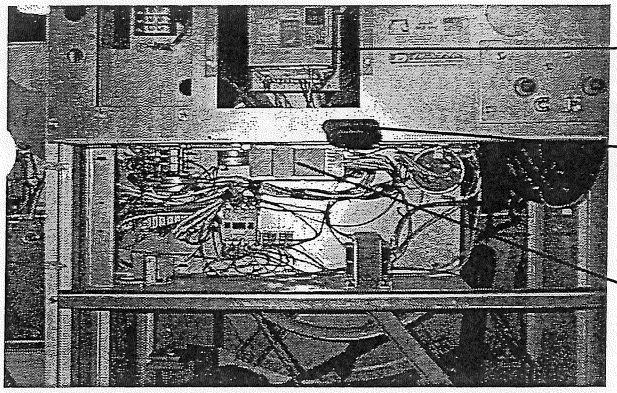
OPL WASHER REAR VIEW

Key	Part Number	Description	
1	9040-077-003	Drive Belt	2
2	9376-301-001	Drive Motor, 3 Phase	1
3	9453-170-003	Pulley, Motor	1
*	9545-028-015	Screw, set	2
*	9053-074-002	Bushing, Motorsupport Plastic Insert	2
4	9497-222-006	Rod, Motor Mtg	1
*	9991-055-002	Support Assembly Motor Mounting	1
5	9545-014-004	Screw 5/16-18x5/8 motor mount	4
5	8640-400-003	Nut WHZ lock 5/16-18	4
6	9076-052-002	Collar, Shaft (w/set screws)	2
7	9534-319-002	Spring, Belt Tension	1
8	9453-168-003	Pulley, Driven	1
9	9487-234-003	Tolerance Ring between pulley and shaft	1
10	9545-060-001	Screw, Pulley to Shaft 5/8-11x 1 1/2	1
10	8641-581-032	Washer, Flat 5/8 x 2 1/4	2
10	8641-582-018	Lockwasher 5/8	1
11	9081-131-001	Channel, Rear	1
12	9545-008-026	Screw	4
12	8640-399-004	Nut, Spring	4
13	9454-714-001	Panel, Back Guard	1
14	9545-008-026	Screw, #10Bx1/2	10
15	9545-030-002	Screw, 1/4Bx3/4	3
16	8640-399-004	Nut Spring type	8
17	9454-717-001	Panel, Top Rear	1
18	9989-470-002	Panel, Top Front	1
19	99545-008-026	Screw #10Bx1/2	14
20	9074-267-001	Cover Motor Control Rear	1
21	9074-267-001	Cover Control Rear	1
22	9545-008-026	Screw, #10Bx 1/2	2
23	9003-265-001	Angle Support Control Trough	1
24	9545-008-026	Screw 10Bx 1/2	2
25	9242-175-005	Hose Pressure Switch	1
26	8654-117-015	Clamp Hose 1"	1
27	9029-076-001	Terminal Mounting Bracket	1
*	9545-008-026	Screw, #10Bx1/2	4
28	9897-033-002	Terminal Block Main Power Connection	1
*	9558-025-001	Strip Marker	1
*	9545-031-010	Screw, 6ABx3/4	2
29	9558-032-002	Terminal Block Assembly Injector Signals	1
*	9558-028-001	Strip Marker Injector Terminal	1
*	9545-053-002	Screw 4Bx5/8	2
30	9883-008-001	Injector Assembly for chemicals PVC	1
31	0935-127-001	Injector Assembly End Car	1
32	9242-461-001	Hose Vacuum Breaker to Injector	1
33	9242-462-001	Hose Injector to Tub Back	1
34	8654-117-014	Clamp Hose	2
35	9242-449-004	Hose, Overflow to drain tube	1
36	8654-029-000	Clamp, Hose	2
37	9242-463-005	Hose, Overflow Suds Vent	1
39	8654-117-009	Clamp, Hose	1
40	9915-122-002	Tube Assembly from drain valve to rear	1
41	9242-457-001	Hose Drain valve to tube	1
42	9242-464-001	Hose Tub to Drain Valve	1
43	8654-117-014	Clamp Hose	4
44	9610-001-002	Vacuum Breaker for water inlet	1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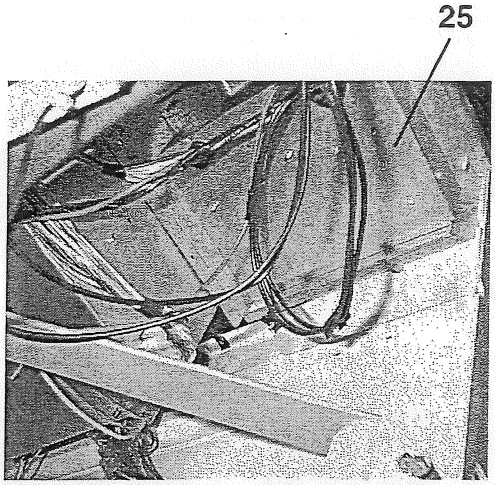
Timer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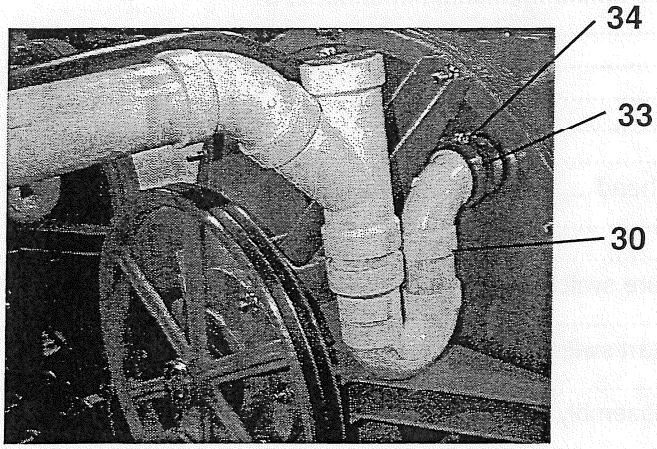
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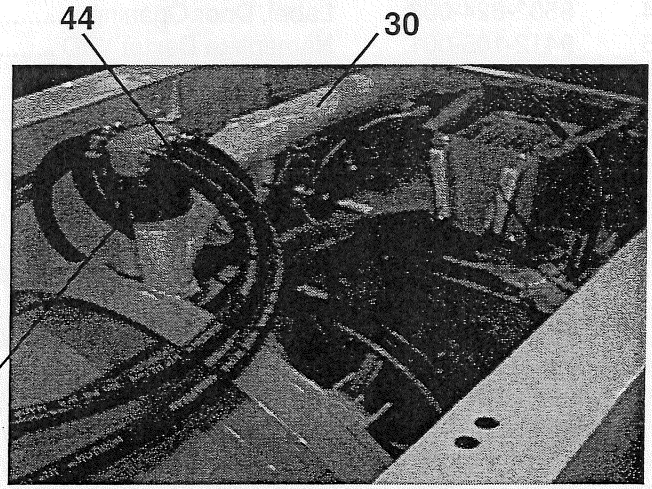
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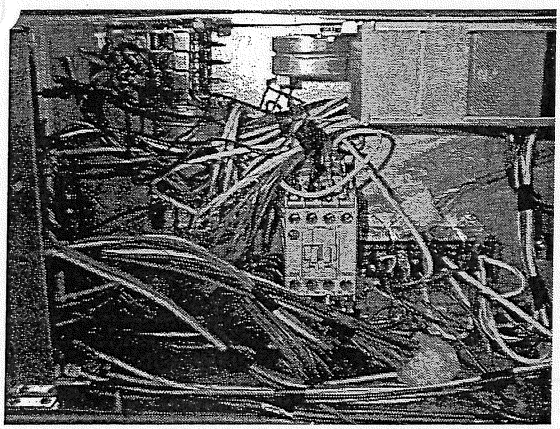

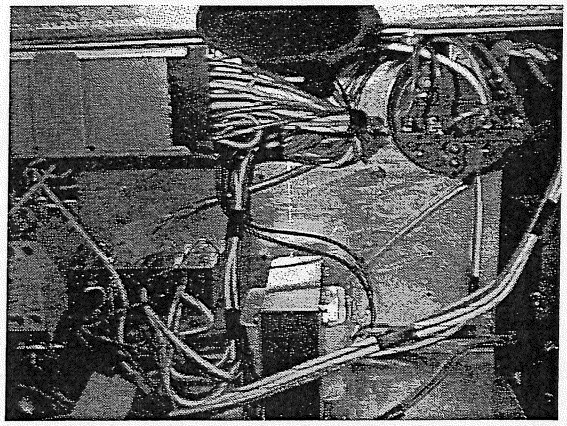

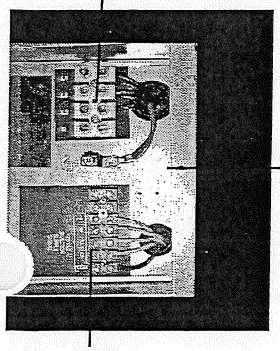
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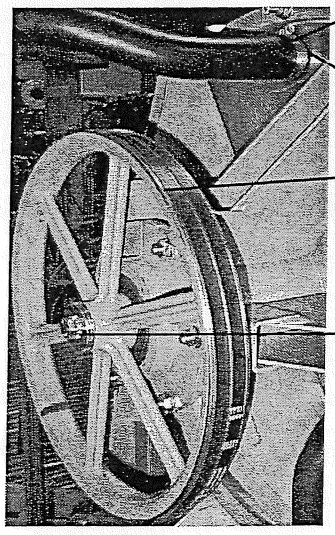
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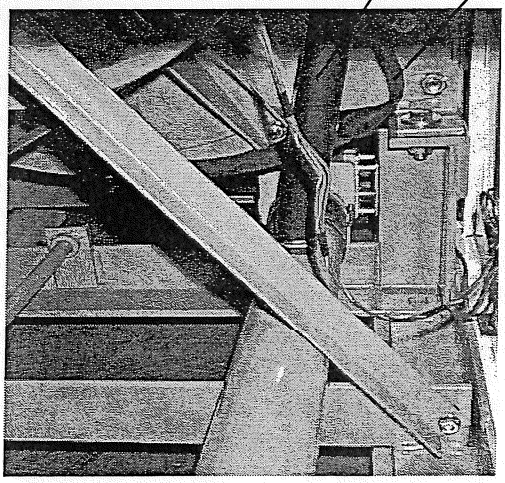
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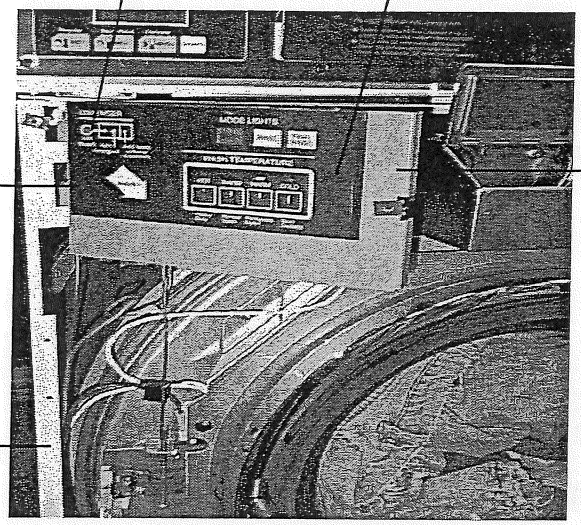
OPL WASHERFRONT CABINET AND CONTROL PANEL GROUP
BEFORE SERIAL NUMBER #448723

Key	Part Number	Description	Model WSTD 25
1	9989-471-002	Panel, Side (Right)- White	1
1	9989-472-002	Panel, Side (Left) - White	1
2	9545-018-023	Screw, (Side Panel to Base)	8
3	9982-318-001	Plate Nut Assembly Welded 1/4-20	8
4	8502-624-003	Label, Door Opening	1
5	9412-105-001	Nameplate Dexter W/D	1
6	9051-053-001	Bumper Loading Door	1
7	8640-412-005	Nut keps 8-32	1
8	9454-702-002	Panel Assy, Front	1
9	9545-008-020	Screw Front panel mounting torx head	8
10	8641-582-019	Lockwasher Int. Tooth	8
11	8640-399-001	Nut, Spring	8
12	9982-315-002	Control Panel Left Side(temperature switch)	1
13	9451-146-005	Pins for Hinge	2
14	9452-690-002	Control Panel Right Side Pntd. (start switch)	1
15	9451-146-005	Pins for Hinge	2
16	9807-087-001	Front Soap Dispenser complete assembly	1
17	8502-687-001	Label Dispenser washer/dryer	1
18	8640-413-006	Nuts Hexelastic 10-32 SS	6
19	9355-001-001	Locator Panel	1
20	9987-104-001	Lid Assembly soap dispenser	1
*	8640-430-001	Nut 10-32 selfclinching	2
22	9545-012-017	Screw 10-32x1/2 SS	2
23	9206-422-001	Gasket Mounts between soap box and tub front	1
24	9574-252-002	Siphon Tube inside soap box for softner	1
25	9539-474-004	Switch, Red--OFF/ON	1
26	9539-474-005	Switch, White--ADVANCE/START	1
27	9539-474-006	Switch, Blue--PAUSE/RUN	1
28	9539-471-001	Switch, Rotary Selector	1
29	9539-479-009	Switch, Push-button (temperature selector)	1
30	8527-120-001	Decal Controls OPL W/D	1
31	9307-176-001	Knob, Control	1
*	9545-044-004	Screw, 6-32 x 1/4"	2
32	8527-118-001	Decal Manual Control OPL W/D	1
33	9412-105-001	Nameplate Dexter W/D	1
*	9538-165-001	Spacer	2
34	8640-412-003	Nut, Switch mounting	2
35	3310-042-001	Light, Pilot, Green	1
36	3310-041-001	Light, Cycle Control	1
37	9206-100-001	Gasket, Light	2
40	9029-071-001	Bracket Pressure Switch Mounting	1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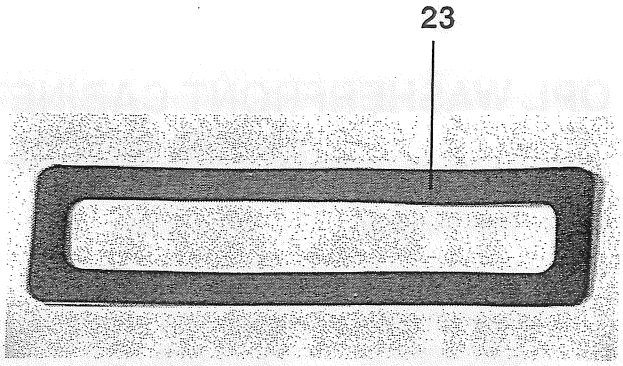
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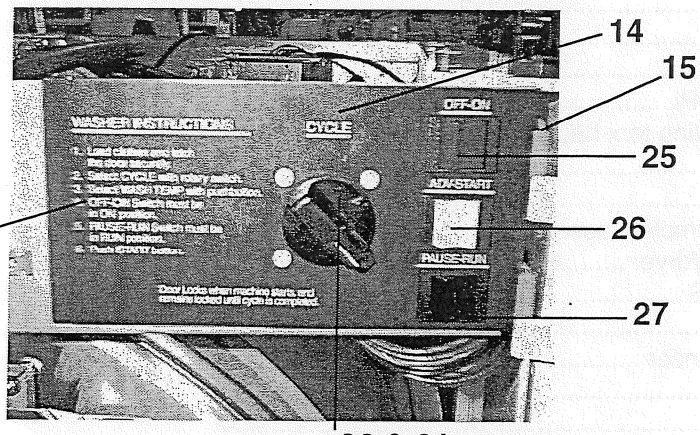
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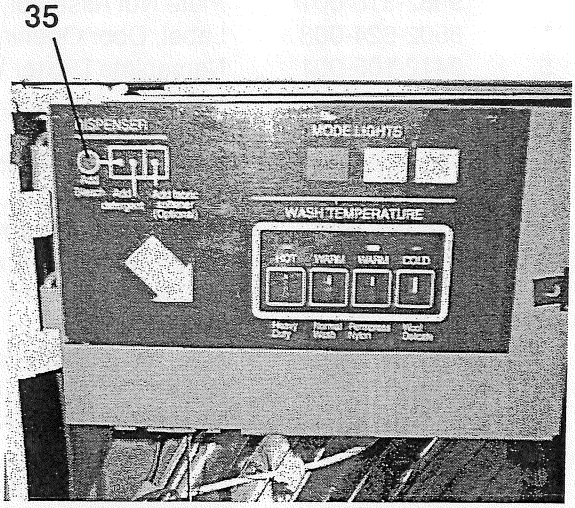
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MODE LIGHTS
WASH TEMPERATURE


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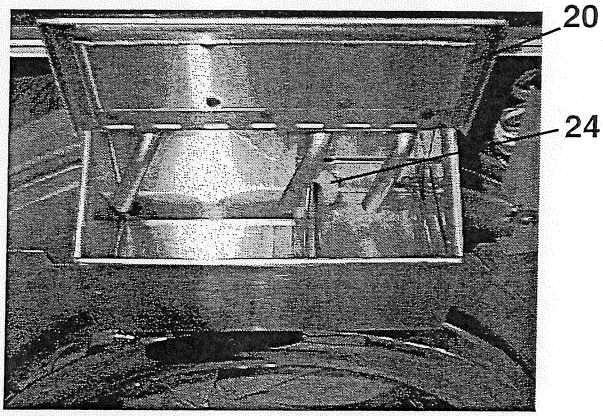
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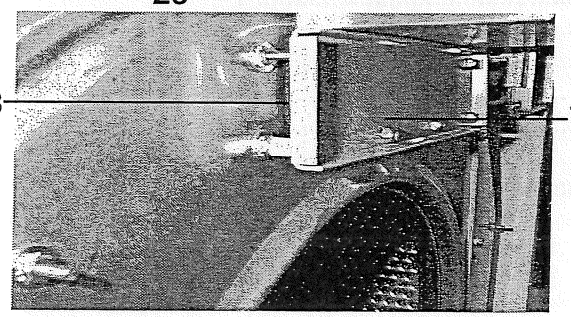
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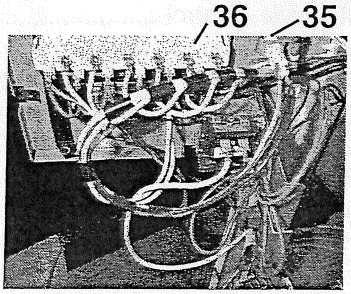
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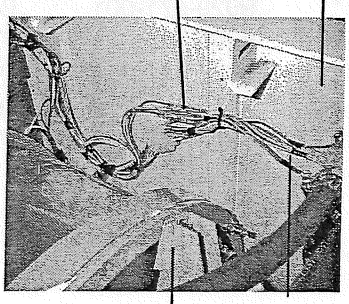
wire harness
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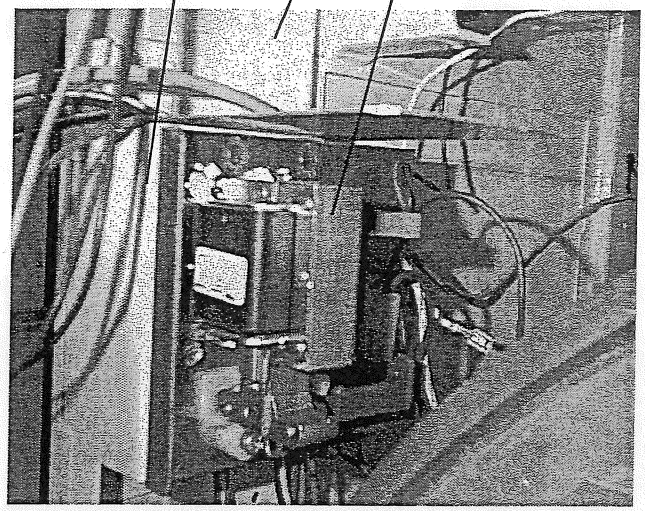
OPL WASHERFRONT CABINET AND CONTROL PANEL GROUP
AFTER SERIAL NUMBER #448723

Key	Part Number	Description	Model WSTD 25
1	9989-485-002	Panel, Side (Right)- White	1
1	9989-486-002	Panel, Side (Left) - White	1
*	9545-018-023	Screw, (Side Panel to Base)	8
*	9982-318-001	Plate Nut Assembly Welded 1/4-20	8
*	8502-624-003	Label, Door Opening	1
5	9412-105-001	Nameplate Dexter W/D (one piece) lower	1
6			
7			
*	9051-053-001	Bumper Loading Door	1
*	8640-412-005	Nut keps 8-32	1
10	9989-484-001	Panel Assembly, Front OPL	1
11	9545-008-020	Screw Front panel mounting torx head	8
12	8641-582-019	Lockwasher Int. Tooth	8
13	8640-399-001	Nut, Spring	8
15	9807-087-001	Front Soap Dispenser complete assembly	1
16	8502-687-001	Label Dispenser washer/dryer	1
17	8640-413-006	Nuts Hexelastic 10-32 SS	6
*	9355-001-001	Locator Panel	1
19	9987-104-001	Lid Assembly soap dispenser	1
*	8640-430-001	Nut 10-32 selfclinching	2
*	9545-012-017	Screw 10-32x1/2 SS	2
22	9206-422-001	Gasket Mounts between soap box and tub front	1
23	9574-252-002	Siphon Tube inside soap box for softner	1
24	9539-474-004	Switch, Red--OFF/ON	1
25	9539-474-005	Switch, White--ADVANCE/START	1
26	9539-474-006	Switch, Blue--PAUSE/RUN	1
27	9539-471-001	Switch, Rotary Selector	1
28	9539-479-009	Switch, Push-button (temperature selector)	1
29	9307-176-001	Knob, Control	1
*	9545-044-004	Screw, 6-32 x 1/4"	2
*	9412-122-001	Nameplate Dexter W/D	1
32	9538-165-001	Spacer	2
33	8640-412-003	Nut, Switch mounting	2
34	3310-042-001	Light, Pilot, Green	1
35	3310-041-001	Light, Cycle Control	1
36	9206-100-001	Gasket, Light	2
*	9029-071-001	Bracket Pressure Switchmounting	1
40	9985-178-001	Bracket Assembly Solenoid Mounting	1
41	9922-011-009	Door Locking Solenoid Assembly	1
42	8527-120-001	Decal Label Controls Temp side	1
43	8527-118-001	Decal Label Manual Control Start Switches	1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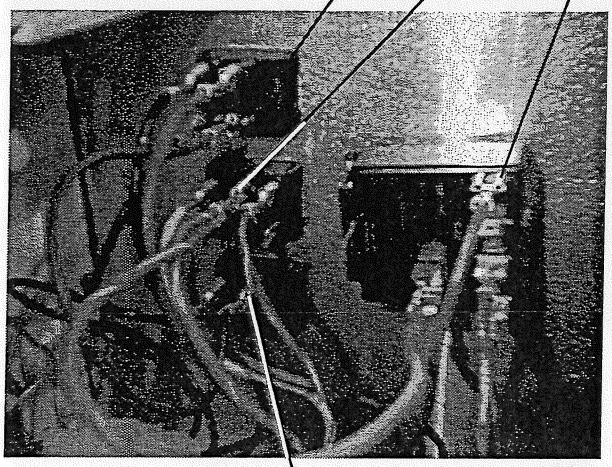
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DEXTER
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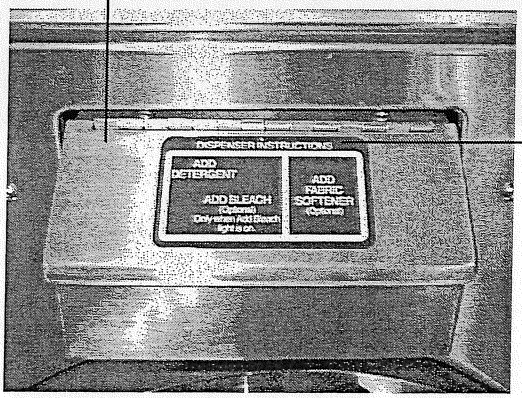
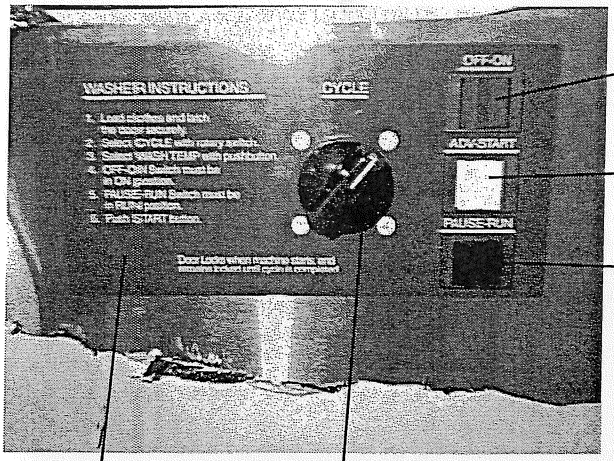

19
DISPENSER INSTRUCTIONS
ADD DETERGENT
ADD BLEACH
ADD FABRIC SOFTENER
16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CYCLE
OFF-ON
ADD-START
PAUSE-RUN
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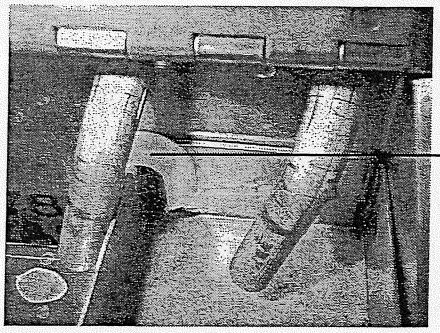
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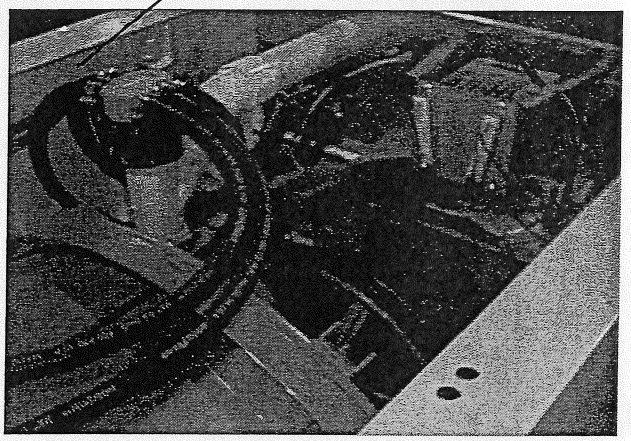
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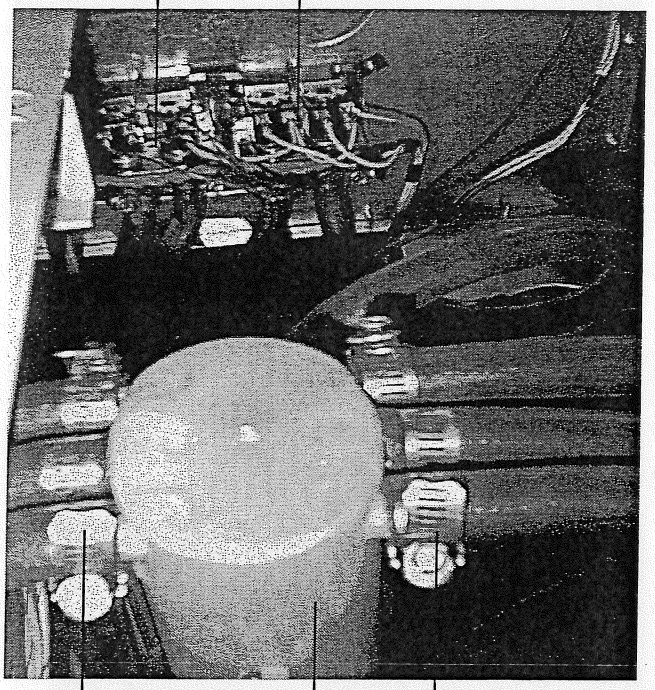
black
blue
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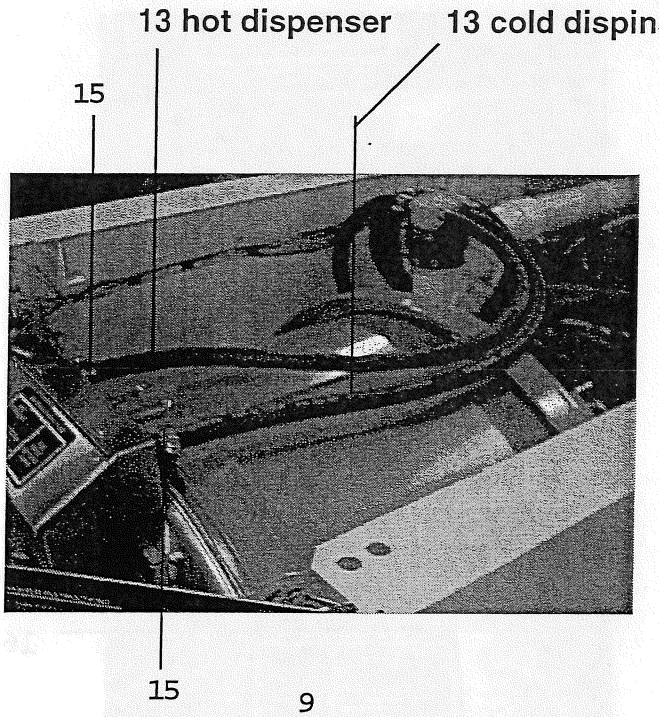
13 hot dispenser
13 cold dispinser
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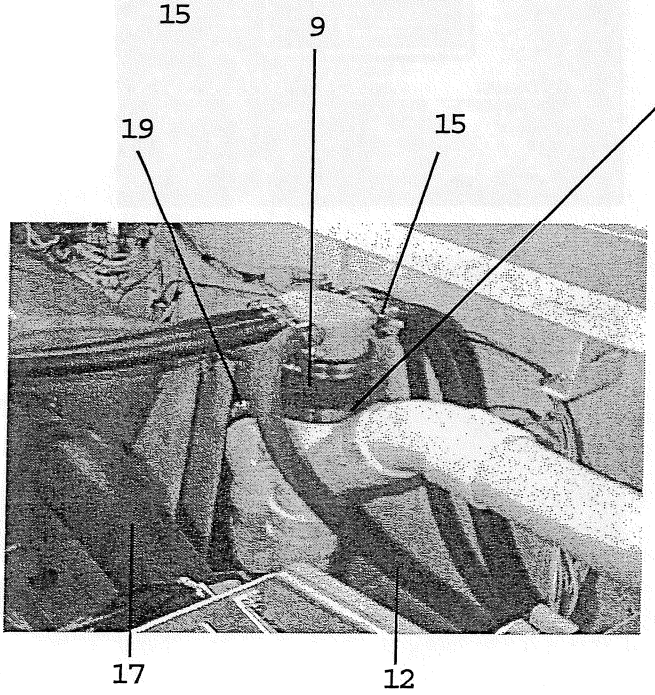
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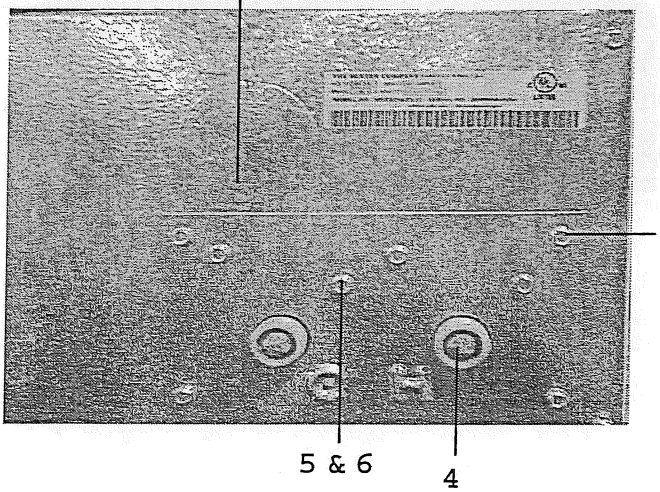
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OPL WATER INLET GROUP

MODEL
WSTD 25

Key	Part Number	Description	
1	9379-183-003	Valve, Water Inlet[blue]	1
1	9379-183-004	Vavle, Water Inlet [black]	1
2	9452-691-001	Plate Water valve mounting	1
3	9545-008-026	Screw, #10Bx1/2	4
4	9565-003-001	Strainer Inlet Hose	2
5	9545-008-026	Screw, Valve Mtg	4
6	8640-399-009	Nut, Spring	4
7	9610-001-002	Vacuum Breaker	1
9	9242-462-001	Hose, Vacuum Breaker to Injector	1
10	8654-117-009	Clamp, Vacuum Breaker End	2
12	9242-453-008	Hose, Vac. Brkr. to Water Valves 26".	3
13	9242-453-021	Hose, Vac. Brkr. to Wash Disp 31".	2
14	8654-117-009	Clamp, Hose	2
15	8654-117-015	Clamp, Hose	12
16	9883-008-001	Injector Ass'y P V C	1
17	9242-463-005	Hose Overflow,Suds Top	1
18	9242-449-004	Hose, Overflow	1
19	9242-462-001	Injector To Tub Hose	1

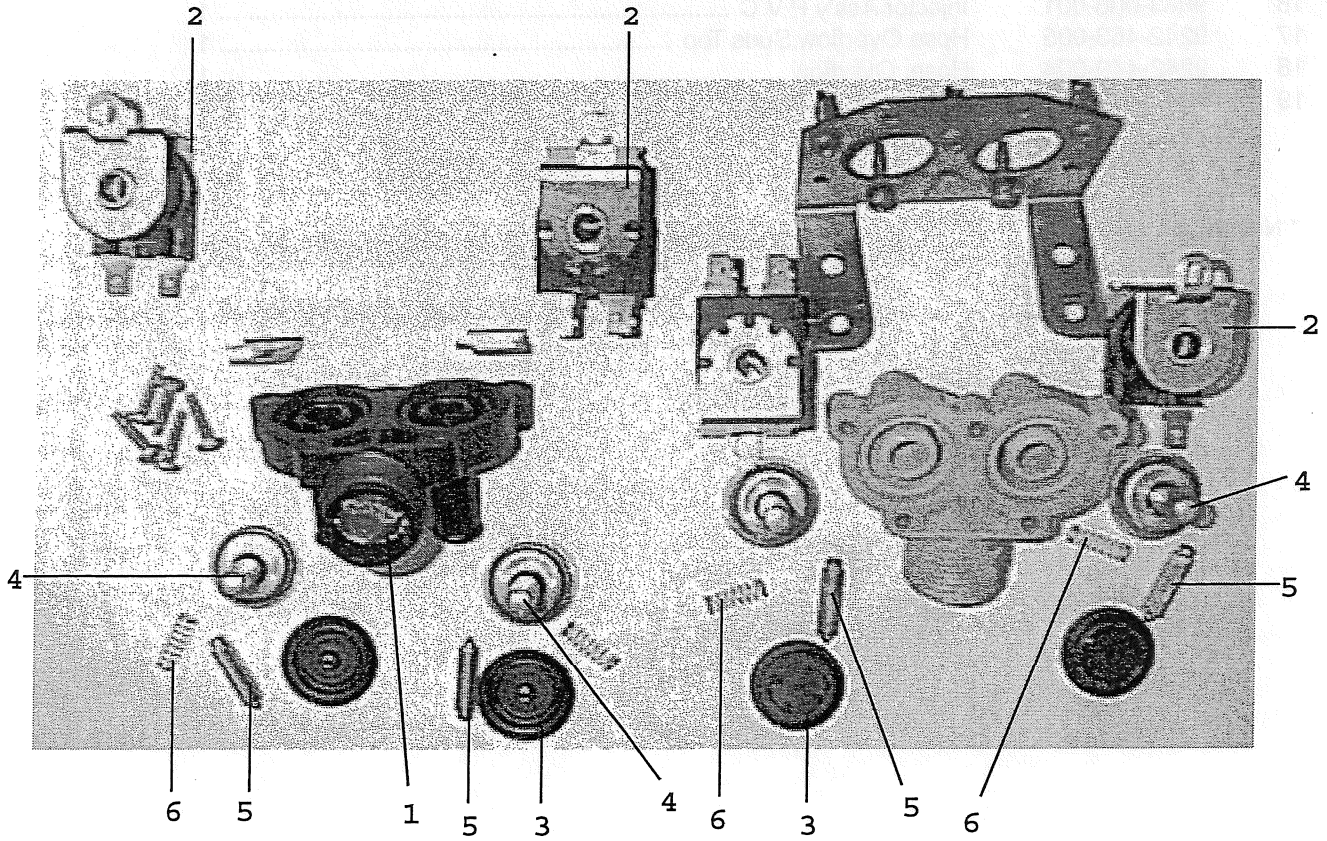
* Not Illustrated

OPL WATER INLET VALVE BREAKDOWN

MODEL
WSTD 25

Key	Part Number	Description	
*	9379-183-003	Valve, Water Inlet Blue (includes #1 thru #6	1
*	9379-183-004	Valve, Water Inlet Black (includes #1 thru #6)	1
1	9555-056-001	Screen, Inlet	2
2	9089-017-001	Coil Assy., 120 V	2
3	9118-049-001	Diaphragm	2
*	9118-049-002	Diaphragm (chemical resistant)	optional
4	9211-021-002	Guide, Solenoid	2
5	9015-008-001	Armature	2
6	9534-298-001	Spring, Armature	2
*	9545-008-026	Screw, Valve Mtg	2

* Not Illustrated



OPL WASHER TERMINAL BLOCKS

Key	Part Number	Description	
*	9897-033-002	Terminal Block, power	1
*	9558-025-001	Terminal Marker Strip Power	1
*	9897-034-001	Terminal Block Assembly Power	1
*	9545-045-007	Screw	2
*	8652-130-037	Terminal Grounding	1
*	9558-027-001	Strip Terminal Marker	1
*	9897-032-002	Terminal Block, Injector	1
*	9558-028-001	Terminal Marker Strip Injector	1

OPL WASHER LABELS

Key	Part Number	Description	
*	8502-624-003	Label, Warning Door Opening	1
*	8502-614-005	Label, High Voltage	1
*	8502-647-001	Label, Connections- Injector	1
*	8502-649-001	Label, Connections- Electrical	1
*	8502-619-004	Label, Fusing & Installation	1
*	8502-639-001	Label, Warning	1
*	8502-646-001	Label, Insturction Dispenser	1
*	8502-653-001	Label, Installer Instructions	1
*	8502-666-001	Label, Injector assembly	1
*	8507-268-001	Instructions Chemical hose installation	1
*	9345-907-001	Schematic	1
*	9345-783-002	Wiring Label Main Timer Chart	1
*	9345-906-001	Wirng Diagram	1
*	8507-301-001	Warranty card OPL DEXTER	1
*	8511-001-002	Label Quality	1
*	8502-687-001	Label Dispenser, Washer/Dryer	1
*	8514-044-001	Owners Booklet	1
*	8527-118-001	Decal Manual ontrol OPL W/D	1
*	8527-120-001	Decal Controls OPL W/D	1
*	9412-105-001	Nameplate Dexter W/D Lower	1

OPL WASHER WIRING HARNESS GROUP

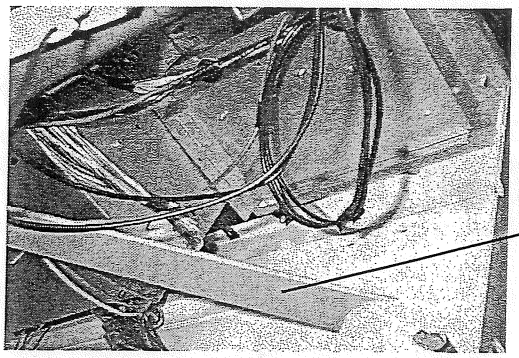
Key	Part Number	Description	
*	9627-747-002	Wiring Harness, Power Term Blk	1
*	9627-779-001	Wiring Harness, Main Extender	1
*	9627-694-001	Wiring Harness, Control	1
*	9627-692-002	Wiring Harness, Main OPL	1
*	9627-808-001	Wiring Harness, VFD Control Shield (BLU)	1
*	9627-691-002	Wiring Harness Injector Control	1
*	9627-811-001	Wiring Harness Control to VFD	1
*	9627-683-001	Wiring Harness Drain Valve	1
*	9627-780-001	Wiring Harness Extender Thermo	1
*	9627-812-001	Wiring Harness Front Extender	1

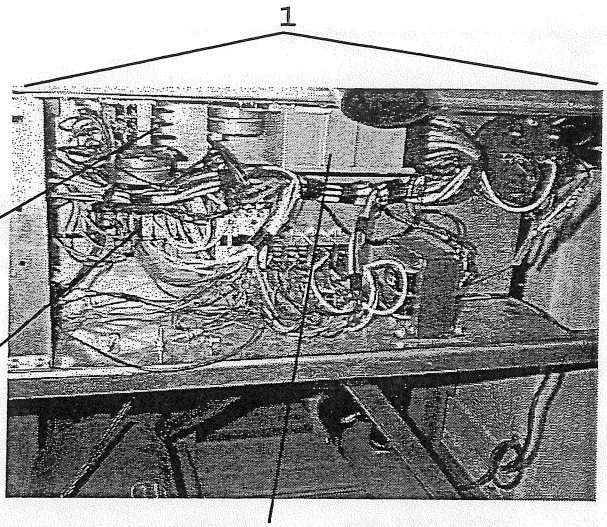
* Not Illustrated

OPL WASHER ELECTRICAL COMPONENTS COMPARTMENT

Key	Part Number	Description	
1	9839-013-001	Trough Assy, Controls Mtg	1
*	9003-265-001	Angle Support Control Trough	1
*	9545-008-026	Screw 10B x 1/2	2
*	9545-008-026	Screw, Trough Sides	2
*	9545-008-026	Screw, Trough Bracket	2
2	5192-285-001	Relay, small ice cube type	4
*	9545-031-003	Screw 6Bx3/8	8
3	5192-295-004	Relay, Spin	1
*	5192-286-009	Relay, Wash	1
*	9545-008-026	Screw, Mtg wash and spin relay	2
*	8641-582-006	Lockwasher	1
*	8653-074-001	Connector	
5	9571-361-004	Timer, Program	1
	(VERIFY PART NUMBER ON TIMER BODY)		
*	9376-295-004	Motor, Timer Main Drive	1
*	9376-286-004	Motor, Timer Rapid Advance	1
*	9545-012-001	Screw, Timer Mtg 10-32x5/16	2
*	9107-067-001	Dial, Decal,Timer	1
*	9307-176-001	Knob, Timer (w/set screws)	1
*	9538-157-006	Spacer Plastic over timer shaft	1
6	9571-360-001	Timer, Reversing	1
*	9545-044-004	Screw, Reversing Timer 6-32 x 1/4	2
8	9897-034-001	Terminal Block Assy, 12 Lug	1
*	9545-045-007	Screw, Mtg	2
*	9558-027-001	Strip, Terminal Marker	1
10	9539-490-001	Switch, Pressure	1
	9029-071-001	Bracket Mounting Pressure Switch	1
*	9545-045-001	Screw, Mtg 8Bx1/4	2
*	9545-031-003	Screw 6Bx3/8	4
21	5198-211-004	Circuit Breaker, 1.5 amp	1
23	8711-004-001	Transformer, Control	1
*	9545-008-026	Screw	2
*	8641-582-006	Lockwasher	2
*	9985-176-001	Bracket Assembly--Drive Mounting	1
*	9029-119-002	VFD Drive Mounting Bracket	1
24	9375-002-007	Drive,Magnatek	1
*	9545-008-026	Screw 10Bx1/2	10
*	8640-413-002	Nut, Hex	4
25	9483-004-002	Resistor, Braking (200 ohms)	3
*	8220-001-418	Wiring Harness Assembly Black	2
*	9545-008-026	Screw 10Bx1/2	2
*	9897-033-002	Terminal Block Power	1
*	9545-031-010	Screw 6ABx3/4	2
*	8652-130-037	Terminal Grounding	1
*	8639-621-007	Screw 10-32x1/2 Green	1
*	8641-582-006	Lockwasher Ext. 10	1

* Not Illustrated


angle
support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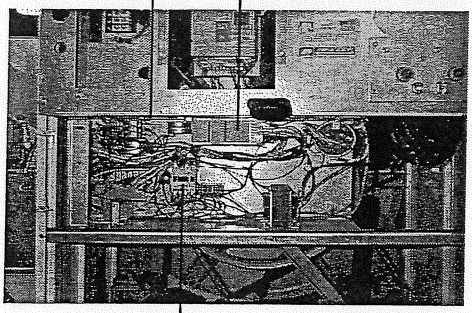
6
8
5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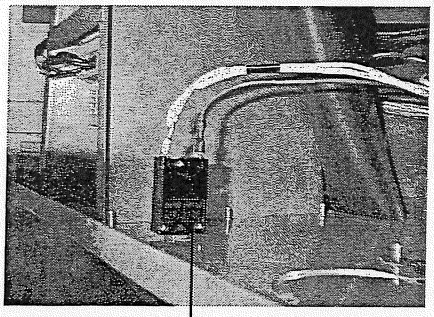
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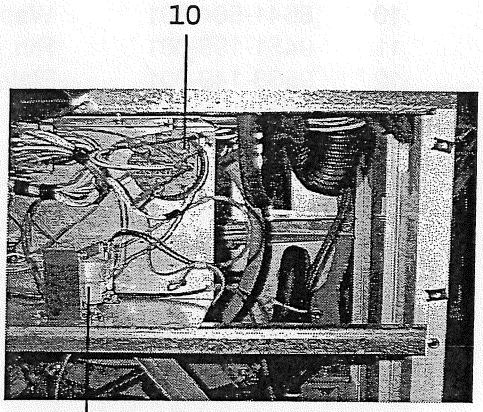
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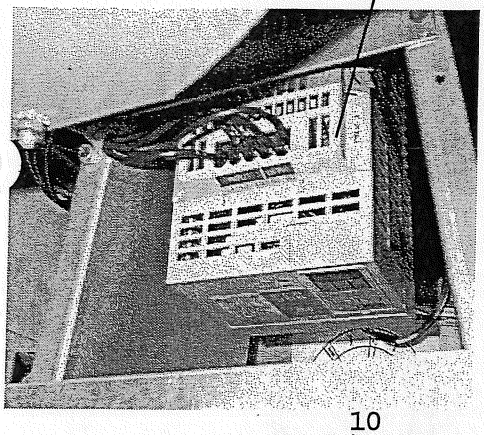
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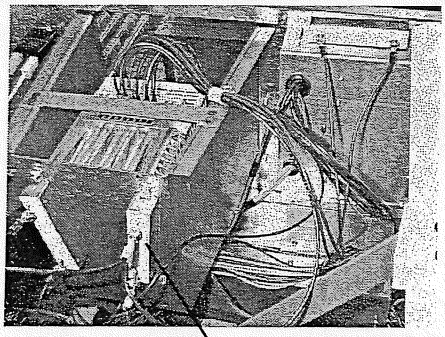
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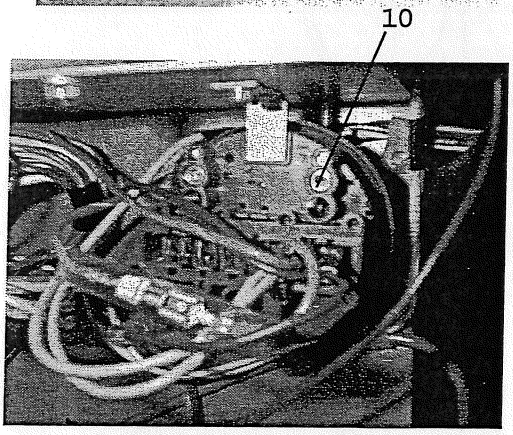
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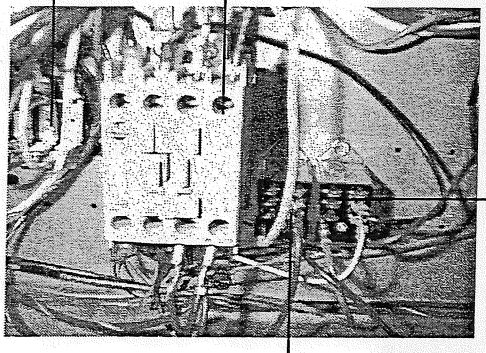
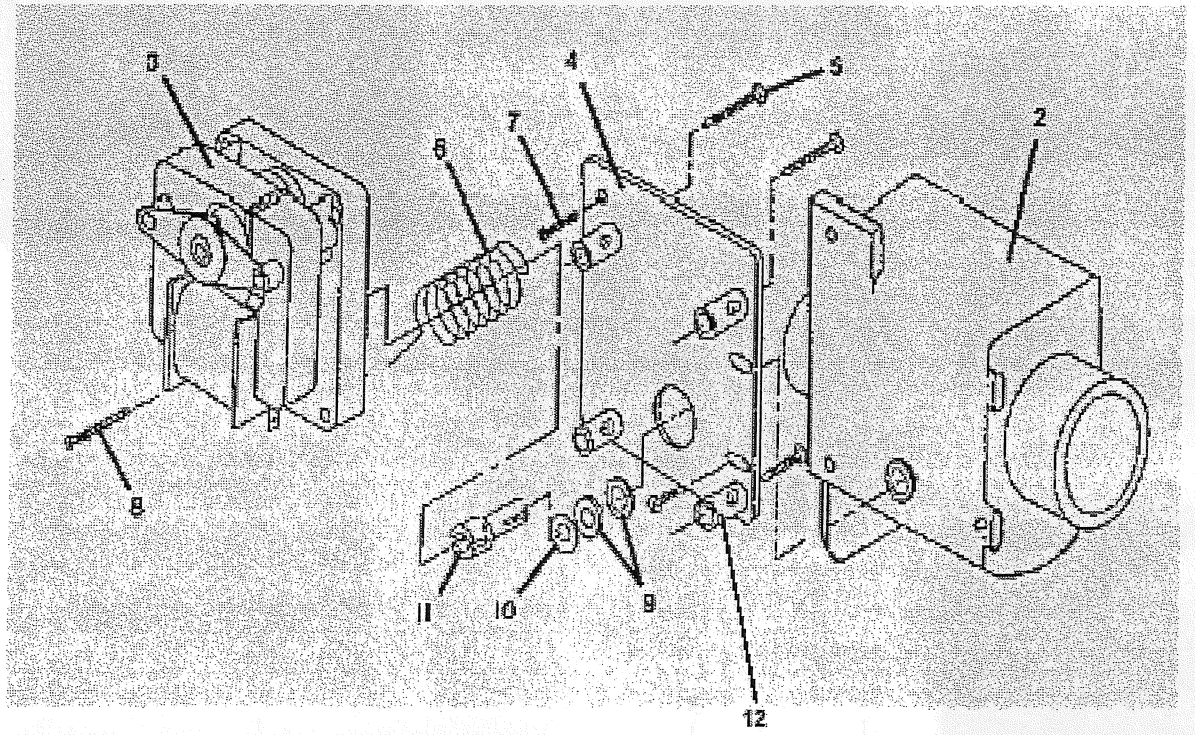
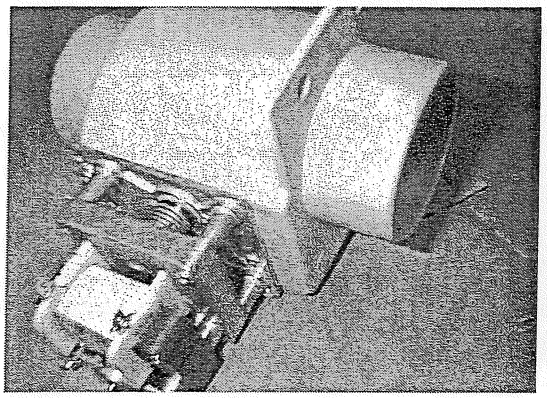
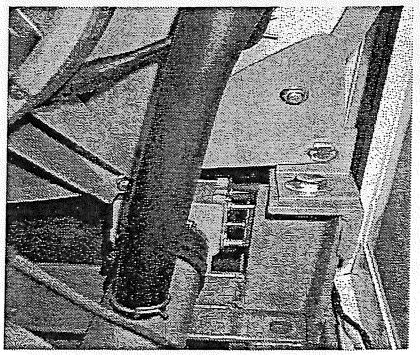

8
3
2
2

OPL DRAIN VALVE GROUP

Key	Part Number	Description	
	9379-187-001	Valve, Drain (includes #2 thru #11)	1
2	9064-070-001	Body, Valve (w/ball)	1
3	9914-137-001	Motor & Gear Train	1
4	9452-538-001	Plate, Motor Mtg	1
5	8639-994-001	Screw	3
6	9534-339-001	Spring, Drive	1
7	9545-054-001	Screw	2
8	9545-054-002	Screw	1
9	9532-134-001	Seal, V Packer	2
10	8641-584-001	Washer	1
11	9451-196-001	Pin, Main Drive	1
12	9538-149-001	Plate , (spacers needed for replacement motor mtg. plate)	4







STACK WASHER/DRYER PREVENTIVE MAINTENANCE(PM) REQUIREMENTS

MAKE SURE ALL POWER IS DISCONNECTED BEFORE MAKING CHECKS INSIDE MACHINES.

DAILY DRYER

1. Clean lint screen with soft brush and check for rips or tears. Replace as necessary

DAILY WASHER

1. **Check if door remains securely locked during the entire cycle.**
2. **Clean the front panel at top around soap dispenser.**
3. **Clean the soap dispenser and soap lid.**
4. **Check the drain for leaking and proper draining.**
5. **Check the water connections for leak.**
6. **Check door seal for foreign material.**
7. **Leave the loading door open to aerate the washer when not in use.**

MONTHLY DRYER

1. Clean lint from motor end bells and dryer controls area.
2. Clean lint from lint screen compartment.
3. Clean lint accumulation from top and all around area above burner housing.

FAILURE TO KEEP THIS SECTION OF DRYER FREE FROM LINT CAN CREATE A FIRE HAZARD.

QUARTERLY WASHERS

1. Check drive belt for wear and proper tension.
2. Clean lint and other foreign material from around drive motor.
3. Remove water inlet hose filter screens and clean or replace as necessary.
4. Check all electrical components for moisture and wipe away any foreign debris.

SEMI-ANNUALLY DRYER

1. Check V-belts for cracks,wear,fraying,or looseness.
2. Check tightness of all fastners holding parts to any support channel.
3. Clean all lint accumulation from front panel,lint screen and around burner housing.
4. Place a few drops of light oil on top and bottom pivots of the door hinge.
5. Inspect door glass gasket for excessive wear.
6. Clean lint accumulation from primary air ports in burners.
7. Check intermediate drive pulley bushings for excessive wear.

ANNUALLY WASHER

1. Clean and remove lint and foreign debris from outside cover of VFD with a dry clean rag or dry brush.
2. Inspect all wire connections especially at relays, terminal connections and circuit boards for tightness.
3. Inspect and check tightness of mounting bolts that mount washer frames to floor and the dryer to the washer.

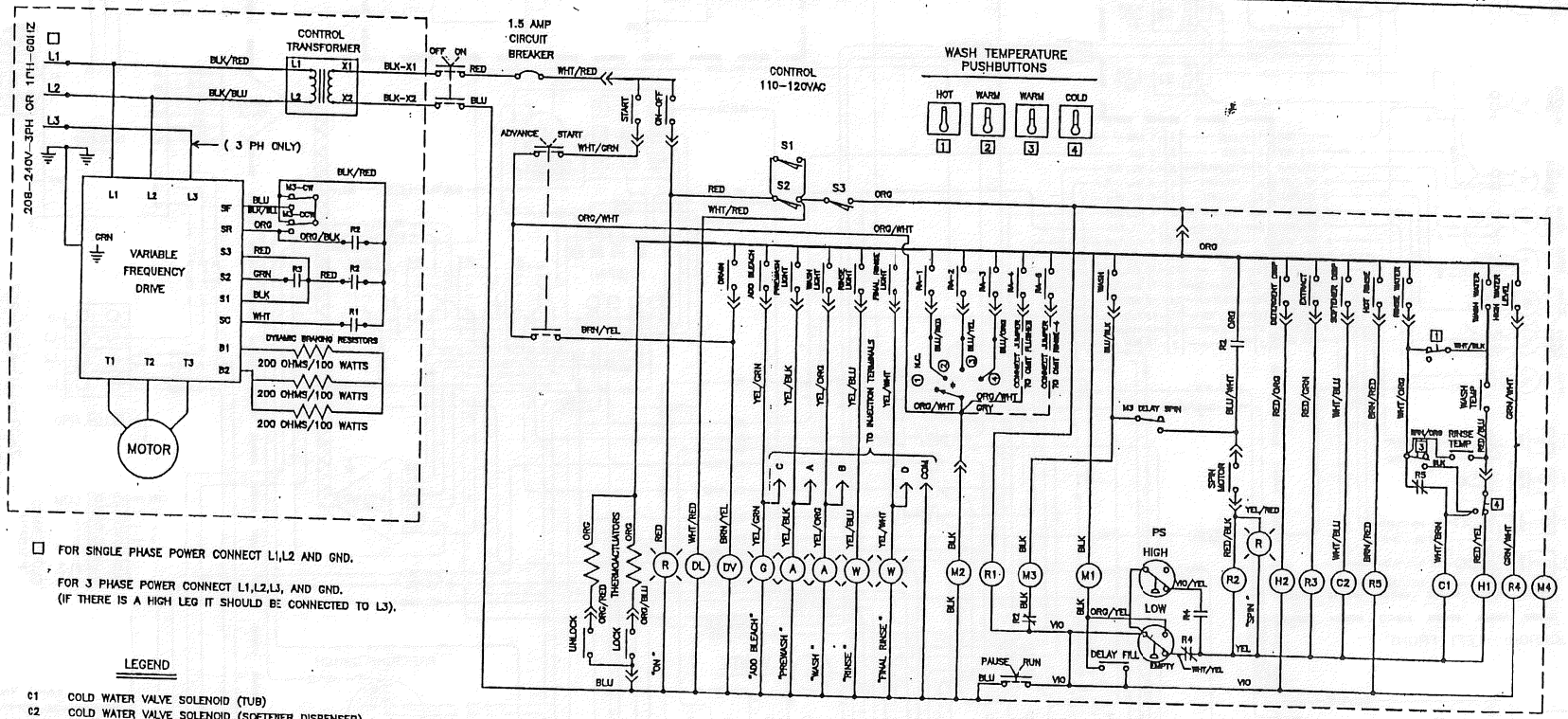
ANNUALLY DRYER

1. Remove,inspect and clean main burner orfices of obstructions or dirt and also primary air ports in burners.
2. Grease bearings at intermediate drive pulley zirk grease fitting.
3. Remove and inspect exhaust ducting of any lint accumulation in exhaust system all the way out to exit walls or roof.
4. Check tumbler shaft retaining nut for 125 Ft. Lb. torque*.

* **PLEASE NOTE THAT WE HAVE EXTENDED THE TIME BETWEEN CHECKS AFTER SERIAL NUMBER #149253 AND WHEN YOUR NEXT QUARTERLY SCHEDULED PM CHECK IS DUE YOU MAY INSTALL LOCKTITE # 271 ACROSS THREADS AND TIGHTEN TO 150 FT.LBS. AND THIS WILL THEN EXTEND YOUR NEXT PM CHECK TIME TO ANNUALLY.**

Maintenance Notes

_MY SERIAL NUMBER MY MODEL NUMBER_____ ---



☐ FOR SINGLE PHASE POWER CONNECT L1,L2 AND GND.

FOR 3 PHASE POWER CONNECT L1,L2,L3, AND GND.
(IF THERE IS A HIGH LEG IT SHOULD BE CONNECTED TO L3).

LEGEND

C1	COLD WATER VALVE SOLENOID (TUB)
C2	COLD WATER VALVE SOLENOID (SOFTENER DISPENSER)
DL	DOOR LOCK SOLENOID
DV	DRAIN VALVE
H1	HOT WATER VALVE SOLENOID (TUB)
H2	HOT WATER VALVE SOLENOID (DETERGENT DISPENSER)
M1	MAIN TIMER MOTOR
M2	RAPID ADVANCE TIMER MOTOR
M3	REVERSING TIMER MOTOR
M4	ELAPSED TIME METER (OPTIONAL)
PS	PRESSURE SWITCH (2 LEVEL)
R1	RUN RELAY
R2	SPIN MOTOR CONTACTOR (CCW)
R3	EXTRACT RELAY
R4	HIGH WATER LEVEL RELAY
R5	HOT RINSE RELAY
S1	DOOR SWITCH (DOOR LATCHED)
S2	LOCK SWITCH (DOOR LOCKED)
S3	LOCK SWITCH (DOOR LOCKED)

	MAIN TIMER CONTACT
	PUSHBUTTON CONTACT
	NORMALLY OPEN RELAY CONTACT
	NORMALLY CLOSED RELAY CONTACT
	INTERNAL TIMER CONNECTION
	INDICATOR LIGHT

* CYCLE SELECTOR SWITCH

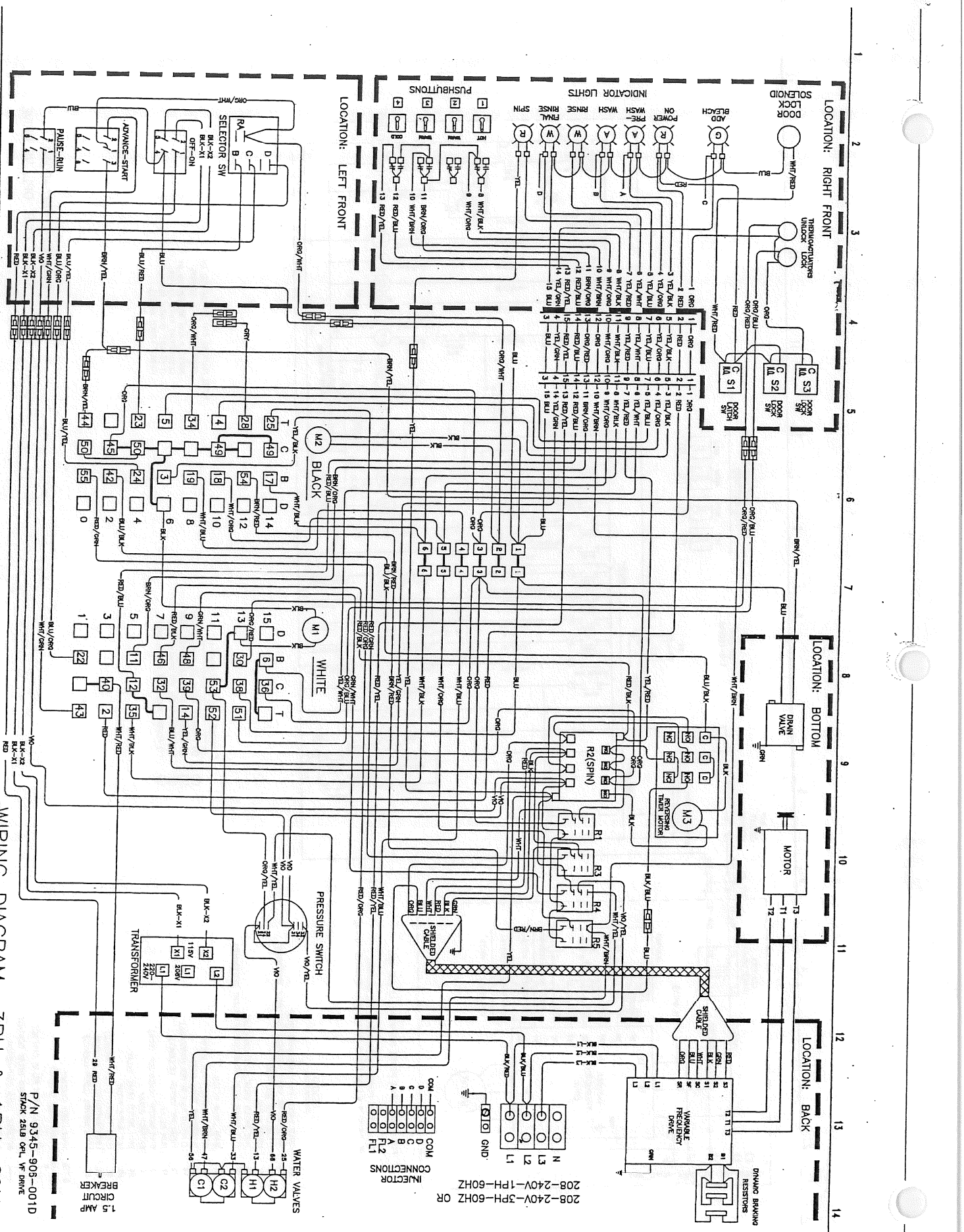
①	(2) FLUSHES, WASH, (5) RINSES, SPIN
②	(2) FLUSHES, WASH, (4) RINSES, SPIN
③	(1) FLUSH, WASH, (5) RINSES, SPIN
④	(1) FLUSH, WASH, (4) RINSES, SPIN

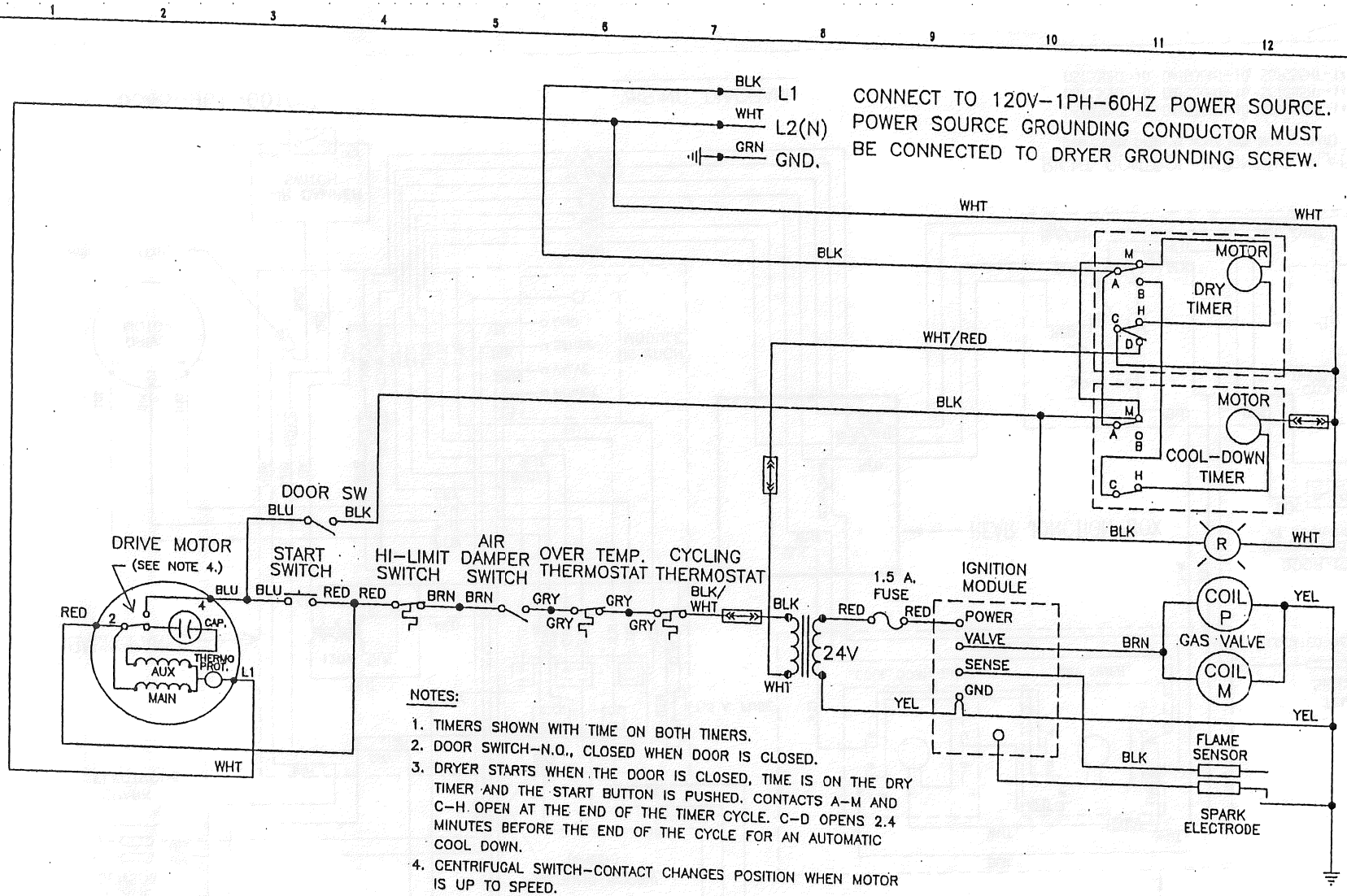
NOTE: FLUSHES CAN BE OMITTED BY CONNECTING RA-4 JUMPER.

RINSE-4 CAN BE OMITTED BY CONNECTING RA-5 JUMPER, (THIS WILL CHANGE NUMBER OF RINSES LISTED ABOVE).

P/N 9345-907-001C
STACK 25LB, OPL, VF DRIVE

WIRING SCHEMATIC 3PH OR 1PH, 60HZ


WIRING DIAGRAM 3PH & 1PH, 60HZ
LOCATION: RIGHT FRONT
LOCATION: LEFT FRONT
LOCATION: BOTTOM
LOCATION: BACK
SOLENOID DOOR LOCK
INDICATOR LIGHTS
PUSHBUTTONS
SELECTOR SW
ADVANCE-START
PAUSE-RUN
DOOR LATCH SW
DOOR LOCK SW
M1 WHITE
M2 BLACK
M3
DRAIN VALVE
MOTOR
R1
R2(SPIN)
R3
R4
R5
PRESSURE SWITCH
TRANSFORMER
SHIELDED CABLE
VARIABLE FREQUENCY DRIVE
DYNAMIC BRAKING RESISTORS
WATER VALVES
INJECTOR CONNECTIONS
GND
208-240V-3PH-60HZ OR
208-240V-1PH-60HZ
1.5 AMP CIRCUIT BREAKER
P/N 9345-905-001D
STACK 25LB OPL VF DRIVE



NOTES:

1. TIMERS SHOWN WITH TIME ON BOTH TIMERS.
2. DOOR SWITCH-N.O., CLOSED WHEN DOOR IS CLOSED.
3. DRYER STARTS WHEN THE DOOR IS CLOSED, TIME IS ON THE DRY TIMER AND THE START BUTTON IS PUSHED. CONTACTS A-M AND C-H OPEN AT THE END OF THE TIMER CYCLE. C-D OPENS 2.4 MINUTES BEFORE THE END OF THE CYCLE FOR AN AUTOMATIC COOL DOWN.
4. CENTRIFUGAL SWITCH-CONTACT CHANGES POSITION WHEN MOTOR IS UP TO SPEED.
5. REFER TO OWNER'S MANUAL FOR DESCRIPTION OF OPERATION AND REQUIREMENTS FOR HEATING CIRCUIT.

9345-900-001C

SCHEMATIC

DSTD30HT-10, DATD30HT-10, SCTD55HT-14
DSTC30HT-10, DATC30HT-10, SCTC55HT-14
DSTG30HT-10, DATG30HT-10, SCTG55HT-14

JUL 13 2000

THE DEXTER COMPANY
FAIRFIELD, IOWA

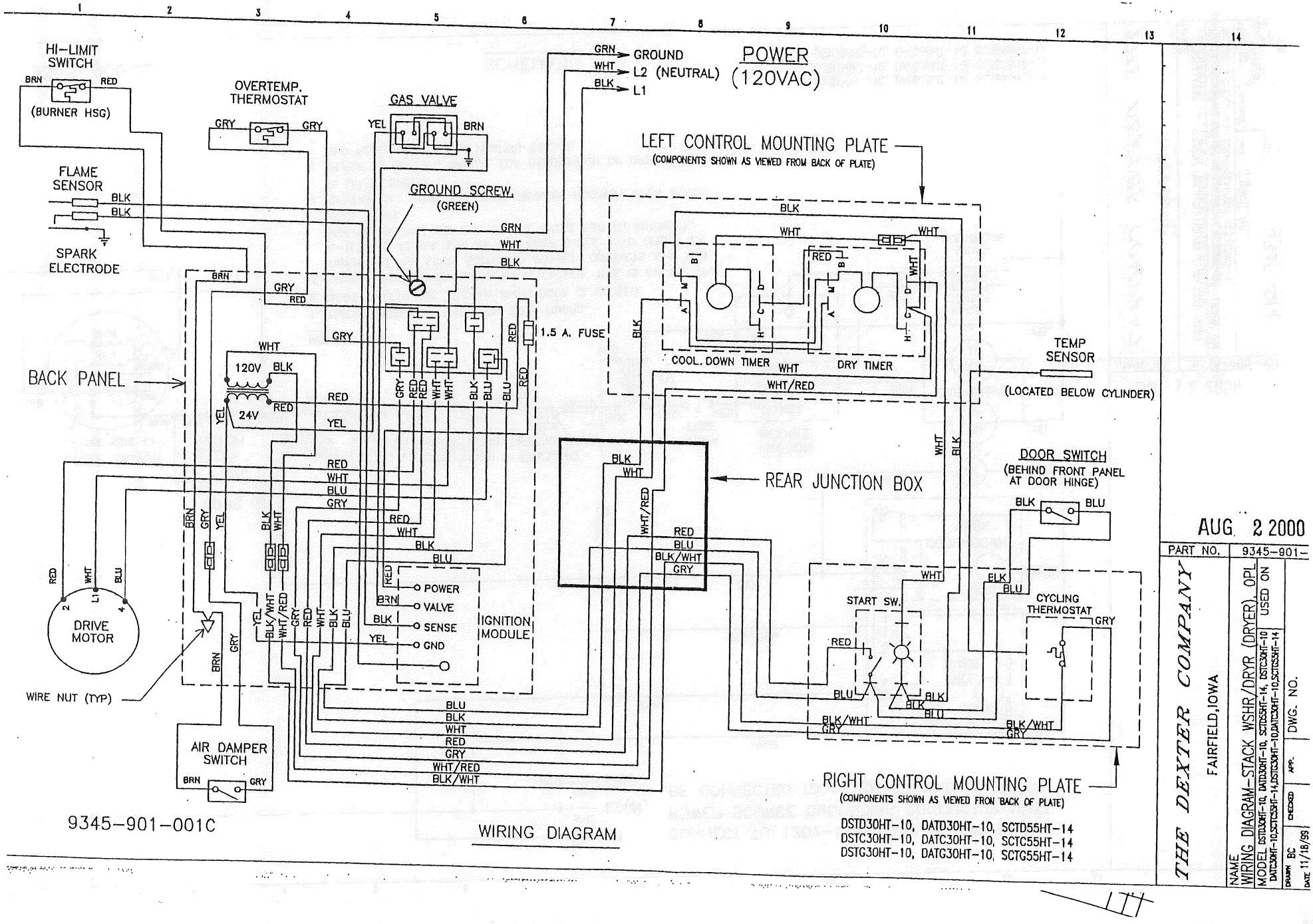
PART NO. 9345-900-001

NAME SCHEMATIC - STACK WSHR/DRYR (DRYER), OPL

MODEL DSTD30HT-10, DATD30HT-10, SCTD55HT-14, DSTC30HT-10 DATC30HT-10, SCTC55HT-14, DSTG30HT-10, DATG30HT-10, SCTG55HT-14

USED ON

DRAWN BC
CHECKED
APP.
DATE 11/18/99
SCALE FULL
SIZE B
DWG. NO. 9345-900


HI-LIMIT SWITCH
(BURNER HSG)
OVERTEMP. THERMOSTAT
GAS VALVE
GRN GROUND
WHT L2 (NEUTRAL)
BLK L1
POWER (120VAC)
FLAME SENSOR
SPARK ELECTRODE
GROUND SCREW (GREEN)
LEFT CONTROL MOUNTING PLATE
(COMPONENTS SHOWN AS VIEWED FROM BACK OF PLATE)
COOL. DOWN TIMER
DRY TIMER
TEMP SENSOR
(LOCATED BELOW CYLINDER)
BACK PANEL
1.5 A. FUSE
120V
24V
REAR JUNCTION BOX
DOOR SWITCH
(BEHIND FRONT PANEL AT DOOR HINGE)
POWER
VALVE
SENSE
GND
IGNITION MODULE
DRIVE MOTOR
WIRE NUT (TYP)
START SW.
CYCLING THERMOSTAT
AIR DAMPER SWITCH
RIGHT CONTROL MOUNTING PLATE
(COMPONENTS SHOWN AS VIEWED FROM BACK OF PLATE)
9345-901-001C
WIRING DIAGRAM
DSTD30HT-10, DATD30HT-10, SCTD55HT-14
DSTC30HT-10, DATC30HT-10, SCTC55HT-14
DSTG30HT-10, DATG30HT-10, SCTG55HT-14
AUG. 2 2000
PART NO. 9345-901
THE DEXTER COMPANY
FAIRFIELD, IOWA
NAME WIRING DIAGRAM-STACK WSHR/DRYR (DRYER) OPL
MODEL DSTD30HT-10, DATD30HT-10, SCTD55HT-14, DSTC30HT-10 DATC30HT-10, SCTC55HT-14, DSTG30HT-10, DATG30HT-10, SCTG55HT-14
USED ON
DWG. NO.
DRAWN BC
DATE 11/18/99
CHECKED
APP.