USE THE BLUE TABS LOCATED ON THE RIGHT AND LEFT SIDES OF THE FOLLOWING DOCUMENT TO ADVANCE TO EACH SECTION.

DEXTER LAUNDRY

N-Series Coin
Rotary Meter/Computer Dryers

DRR55Q, DRC55Q

8533-047-003 6/22

Equipment Safety Warnings
Symbols and Terminology Used in this Equipment

⚠ DANGER	**Indicates an imminently hazardous situation, which if not avoided, will result in death or serious injury.**
⚠ WARNING	**Indicates a potentially hazardous situation, which if not avoided could result in death or serious injury.**
⚠ CAUTION	**Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices. Minor burns, pinch points that result in bruises and minor chemical irritation.**
NOTICE	**Indicates information or a company policy that relates directly or indirectly to the safety of personnel or protection of property.**
	**This is the user caution symbol. It indicates a condition where damage to the equipment resulting in injury to the operator could occur if operational procedures are not followed. TO REDUCE THE RISK OF DAMAGE OR INJURY, refer to accompanying documents; follow all steps or procedures as instructed.**
	**This is the electrical hazard symbol. It indicates that there are DANGEROUS HIGH VOLTAGES PRESENT inside the enclosure of this product. TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, do not attempt to open the enclosure or gain access to areas where you are not instructed to do so. REFER SERVICING TO QUALIFIED SERVICE PERSONEL ONLY**
	**Caution! There are sharp edges on various sheet metal parts internal to the enclosure. Use safety consciousness when placing or moving your hands while working in the interior of this equipment.**
	**Caution! To reduce the risk of damage to the Water Inlet Valve, do not supply inlet water with a temperature that exceeds 70° C.** **Caution! To reduce the risk of fire or explosion, do not operate this equipment in any hazardous classified (ATEX) environment.**

Equipment Safety Warnings
Symbols and Terminology Used in this Equipment

Warning! Do not operate equipment if door glass is damaged in any way.

Warning! Keep clear of rotating parts.

Prohibited! Do not enter this equipment or space.

Prohibited! Do not step or stand on this equipment.

Prohibited! Do not operate without all guards and covers in place.

Prohibited! Do not operate without all guards and covers in place.

Prohibited! Do not wash or Dry clothing impregnated with flammable liquids (petrochemical).

Prohibited! Do not allow children to play in or around equipment.

⚠ DANGER	**Indicates an imminently hazardous situation, which if not avoided, <u>will result</u> in death or serious injury.**
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	**Caution! To reduce the risk of fire or explosion, do not operate this equipment in any hazardous classified (ATEX) environment.**

WARNING

	• All Dryers must be installed in accordance to all applicable electrical, plumbing and all other local codes. • These installation and operation instructions are for use by qualified personnel only. To avoid injury and electrical shock, do not perform any servicing other than that contained in the installation and operation instructions, unless qualified.
	Do not install Equipment in an explosive atmosphere.
	•Care must be stressed with all foundation work to ensure a stable unit installation, eliminating possibilities of excessive vibration. •Foundation must be level within 13 mm to ensure proper washer operation.

	Do not operate washer or Dryer if door glass is damaged in any way.
	Do not wash or Dry clothing impregnated with flammable liquids (petrochemical).

WARNING

 	Children should be supervised to ensure they do not operate or play in or around equipment.
	Keep all panels in place to protect against electrical shock and injury and add rigidity to washer.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

A washer should not be allowed to operate if any of the following occur:

- **Excessive high water level.**
- **Machine is not connected to a properly earthed circuit.**
- **Door does not remain securely locked during the entire cycle.**
- **Vibration or shaking from an inadequate mounting or foundation**

	**Warning! Do not operate equipment if door glass is damaged in any way.**
	**Warning! Keep clear of rotating parts.**
	**Prohibited! Do not enter this equipment or space.**
	**Prohibited! Do not step or stand on this equipment.**
	**Prohibited! Do not operate without all guards and covers in place.**
	**Prohibited! Do not operate without all guards and covers in place.**
	**Prohibited! Do not wash or Dry clothing impregnated with flammable liquids (petrochemical).**
	**Prohibited! Do not allow children to play in or around equipment.**

	**Prohibited! Do not attempt to open, touch, or proceed before referring to the manual or unless qualified.**
	**Mandatory! Read all supporting documentation before operating or maintaining equipment.**
	**Mandatory! Disconnect power before servicing equipment.**
	**Mandatory! Lock out and tag out before servicing this equipment.**
	**Mandatory! Children should be supervised to ensure they do not operate equipment.**
	**Mandatory! Children should be supervised to ensure they do not operate equipment.**

Notes

Dexter Safety Guidelines

WARNING

For your safety, the information in this manual must be followed to minimize the risk of fire or explosion or to prevent property damage, personal injury or loss of life.

IF YOU SMELL GAS:

- Do not try to light any appliance.
- Do not touch any electrical switch: do not use any telephone in your building.
- Clear the room, building or area of all occupants.
- Imm.ediately call your gas supplier from a neighbor's telephone.
- Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department. Installation and service must be performed by a qualified installer, service agency or the gas supplier.

Dry only fabrics washed in water to avoid the risk of fire, including spontaneous combustions, do not dry:

- Items containing foam rubber, or any similarly textured rubber-like materials.
- Any items on which you have used a cleaning solvent or which contain flamm. able liquids or solids, such as naptha, gasoline, or other oils or waxes.

To activate your warranty, be sure to return your red warranty form to the factory. Please have serial number and model ready when calling for assistance.

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Notes

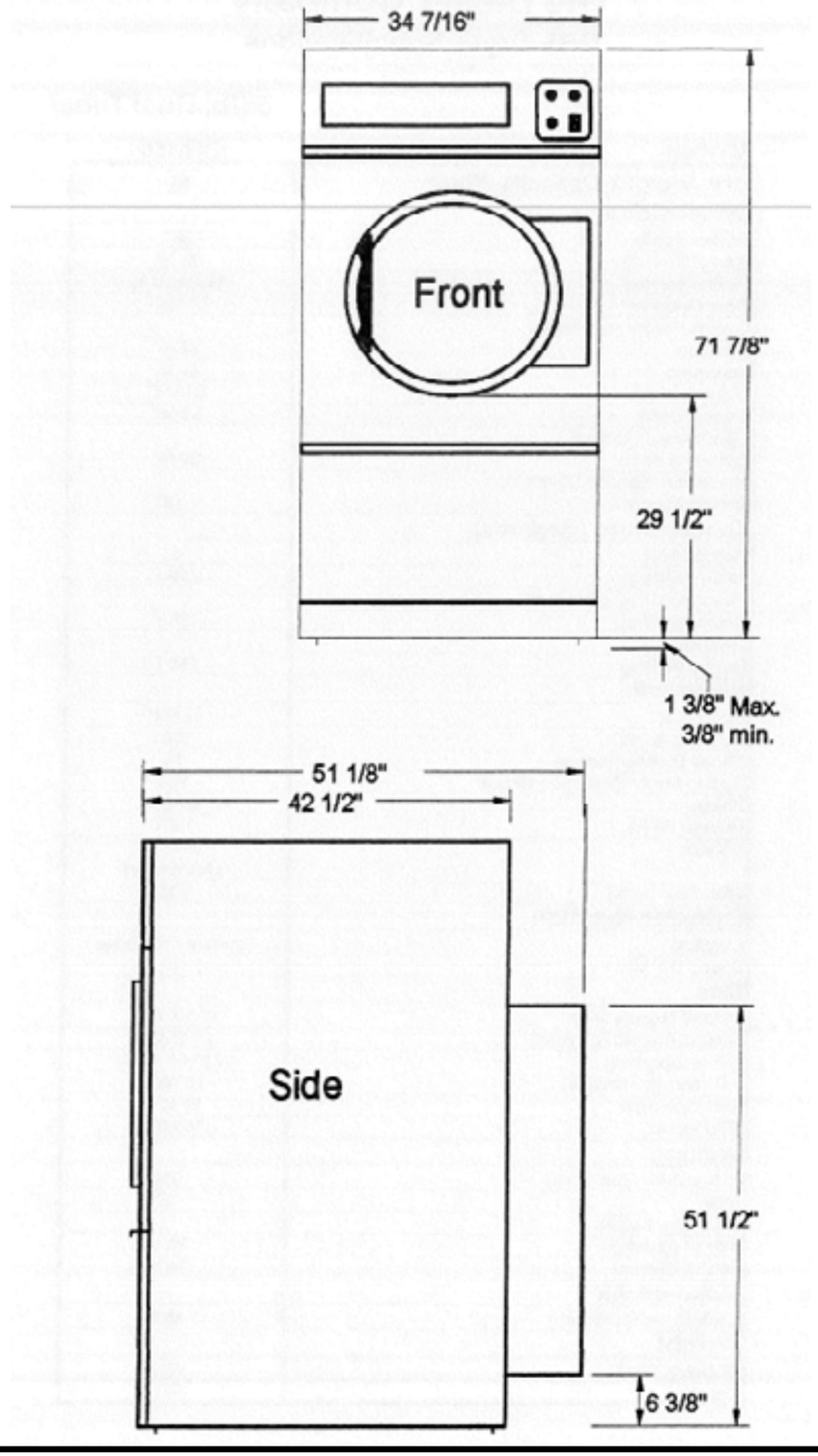
Section 1:

Machine Mounting

Specifications for below model is outlined in this book:

Model	Coin Operated DRR55Q, DRC55Q Rotary Meter, Computer
Capacity Maximum	55 pounds dry weight
Cylinder dimensions	32½" diameter, 38" depth
Cabinet dimensions	34 6'W x 51 1/8"D x 72¼"H.(w/legs)
Drive motor	Drive motor - ¾ HP.
Construction	Standard trunnion style cylinder support
Air flow	910 CFM total air flow Fully perforated tumbler tor cross flow air circulation
BTU rating	160,000 BTU input Natural gas standard, LP kits available separately
Ignition	Direct spark electronic ignition
Exhaust	One 8" connection
Gas line connection	½" N.P.T.
Electrical	120Volts, 60 HZ AC,1 Ph. 15 amp circuit breaker or equivalent.
Coin operated	Rotary operated or Computer operated
Temperature Control	Mechanical thermostat for Rotary operated Thermistor for Computer operated

Dry Weight Capacity (lbs.)	55
Dimensions	
Basket Depth	38"
Basket Diameter	32 1/2″
Basket Volume	18.24 cu.ft.
Door Opening	22 11/16″
Overall Height (with legs) minimum	72¼"
Overall Height (w/legs) maximum	73¼"
Cabinet Width	34 7/16″
Overall Depth	51 1/8"
Door Height (floor to bottom of door)	29 1/2″
Necessary Service Clearance Behind Machine	18″
Temperature (Degrees)	
Regular/Hot Factory Setting	210 F
Perm Press/Medium Factory Setting	185 F
Delicate/Warm Factory Setting	160 F
Electrical	
Motor H.P.	¾ H.P.
Running Amps	7.8
Circuit Breaker (amps)	15
Built-In Motor Protection Circuit	Yes
Phase	Single
Voltage 60 Hz.	120V
Service	2 wires + ground
Wire Size (mm)	#12
Cylinder Rotation	
Direction	counter clockwise
Speed (RPM)	45
Gas	
Natural (supply line)	4"-10"W.C.
Natural (burner manifold)	31/2"W.C.
LP. (supply line)	11"-14" w.c.
LP. (burner manifold)	11"W.C.
Inlet One Size	½"NPT
BTU Input	160,000
Venting	
Exhaust Air Flow (cfrn)	910
Size	8"
Maximum Length with (2 elbows)	20 ft.
Maximum Length with (4 elbows)	16 ft.
Makeup Air	
Each Dryer (minimum)	1 sq. ft.
Weight	
Shipping (lbs.)	634
Net (lbs.)	581



Section 2:

Machine Installation & Operating Instructions

Installation & Operation

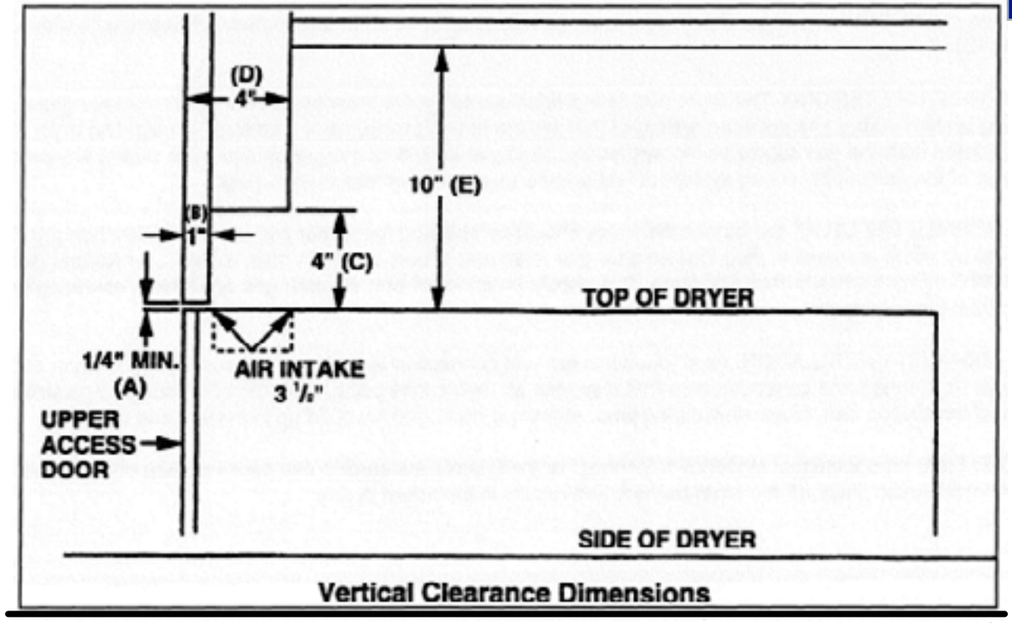
Uncrating
1. Remove cardboard and innerpack.

Installation
1. 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 ,2223.1A-1988. Canadian installations must comply with current standard CAN/CGA-Bi 49(.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. 70-1 990,or when installed in Canada, with Standard CSA C22.1 Canadian Electrical Code Part 1.
2. Installation clearances: This unit may be installed at the following alcove clearances.
1. Left side O”*
2. Right side O”*

*Units may be installed in direct contact with an adjacent dryer, providing allowance is made for opening upper & lower service doors.
3. Back 18” (certified for 1” clearance; however 18” behind the guard is recommended to clean, service & maintain the dryer)
4. Front 48” to allow use of dryer.
5. Top Certification allows O” clearance at the top from the front back 1”. However, a 1/2” clearance is required to allow opening the upper service door. A 4” clearance is required at the top between 1” & 4” from the front. A 1O” clearance is required from ‘the top at all other points.
6. Floor This unit may be installed upon a combustible floor.

Make-up Air. Adequate make-up air must be supplied to replace air exhausted by dryers on all types of installations. Provide a minimum of 1 square foot 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.



Vertical Clearance Dimensions

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.

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 control box on the rear of the unit, using #12 AWG wire or larger.

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

NOTE: THE DRYER MUST 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 1A 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 ¼ inch NPT plugged tapping, acce$Sible for test gage connection, must be installed immediately upstream of the gas supply connection to the dryer.

A drip tee should be provided in the gas piping supplying the unit 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.

PRESSURE TESTING. 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 ½ 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 ½ psig.

BURNER SET-UP. All gas burner manifolds should be checked for proper gas pressure while burning. Check should be made at manifold plug located after gas valve and should be set at max. 3.5 W.C. for Natural gas or
11.5 W.C. LP gas while burner operating. This should be checked with all other gas appliances operating from this main gas supply line.

EXHAUST INSTALLATION. An 8” diameter exhaust connection is required. Exhausting of the dryer should always be planned and constructed so that minimum air restrictions occur. 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. NOTE: 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.

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 outside by attaching a pipe of the proper diameter to the dryer adapter collars 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 ducts 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 opera tion, it is recommended that no more than 20 feet of straight 8” 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. No more than four right angle elbows should be used to exhaust each cylinder.

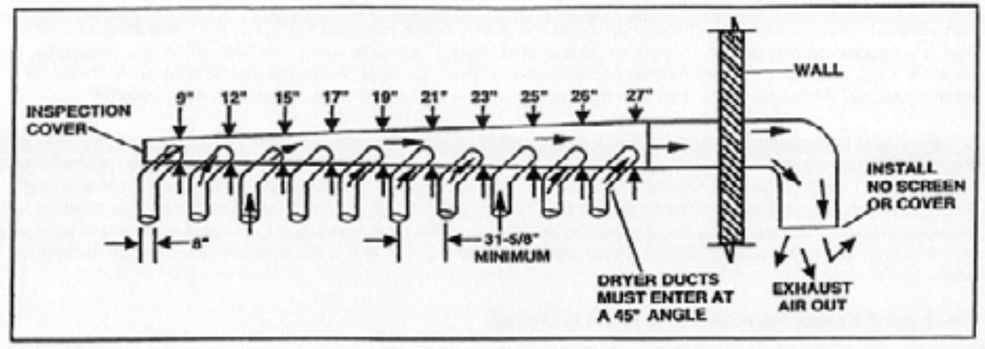
If the exhaust pipe passes through a wall, a metal sleeve of slightly larger diameter should be set in the wall and the exhaust pipe passed through this sleeve. This practice.is r quired by some local codes and is recommended in all cases to protect the wall. This type of installation should. have a 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 restric tions.

Never install a protective screen over the exhaust outlet.

When exhausting a dryer straight up through a roof, the overaH length of the duct has the same limits as exhausting through a wall. A rain cap must be placed 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.

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

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 airflow.



NOTE: Never install the 8” 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 dryer the total exhausting .(main discharge duct plus duct outlet from the dryer) should not exceed the equivalent of 20 feet and two elbows. The diameter of the main discharge duct at the last dryer must be maintained to exhaust end.

NOTE: A small diameter duct will restrict air flow, a large diameter 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 SHUTDOWN-
To render the dryer inoperative turn off the main gas shut-off valve and disconnect power to the dryer.

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. Deposit vend price in coin slot.

4. Rotary operated - turn knob, Computer operated - push start button

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 coins deposited. 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. Additional time may be added by depositing addtional coins.(as long as time is displayed on computer models).

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.

DRYER OPERATION
Computer Dryer Only

Description of Electronic Control
The single electronic control unit controls the coin count, dry time, temperature and information dis play. The digital display shows vend price when waiting for coins to be inserted and time purchased after coins have been deposited. When the tumbler is in use, the display shows the number of minutes remaining to be used.
The three temperature selection buttons have indicator lights to indicate which temperature selection has been made. At the end of the cycle, the digital display flashes until the operator opens the door to remove the load.
Temperature readout is available by pressing the temperature selection button that is in use along with the start button.
All programmed data is protected from power interruption of any length and the customer's individual cycle is protected for up to 3 seconds. This is done without batteries.

OPERATING INSTRUCTIONS
1. Load clothes into the tumbler and close the door.
2. Deposit the vend price that is shown in the display.
3. Select the desired temperature. Temperature selection may be changed at any time during the cycle.
4. Push the start button to start the dryer.
5. Additional time may be purchased as long as there is time remaining in the display even if the amount added is less than the original vend price.

IMPORTANT: Opening the loading door will stop the dryer. However, the computer will con tinue to count down the time.

6. There is a programmable cool-down period at the end of the cycle. During the cool down period, the dryer tumbles and the blower operates with the heat off to cool down the clothes.

PROGRAMMED DATA
All operating parameters (vend price, temperatures, cool-down times, etc.) are adjustable. In addition, several displays of information are available from the controller (money audits, hours run, & dryer temperature). Hours run and money audit can be reset to zero.
The dryer is ready to run, from the factory, with the following pre-programmed data:

Hour meter	0 hours
Money Audit	0 dollars
Temperature, HOT	175 degrees F
Temperature, PERM PRESS	150 degrees F
Temperature, WARM	125 degrees F
Skip (not used)	
Coin Value	25 cents
Vend Price	25 cents
Skip (not used)	
Time per coin	10 minutes
Time of Free Vend	10 minutes
Cool-down Time, HOT	2 minutes
Cool-down Time, PERM PRESS	2 minutes
Cool-down Time, WARM	2 minutes
Temperature Scale	Farenheit or Celcius

All of the above data can be easily changed by the owner. The changes are made by the four touch pad buttons on the front of the control panel.

Computer Dryer Only

ENTERING THE PROGRAM MODE

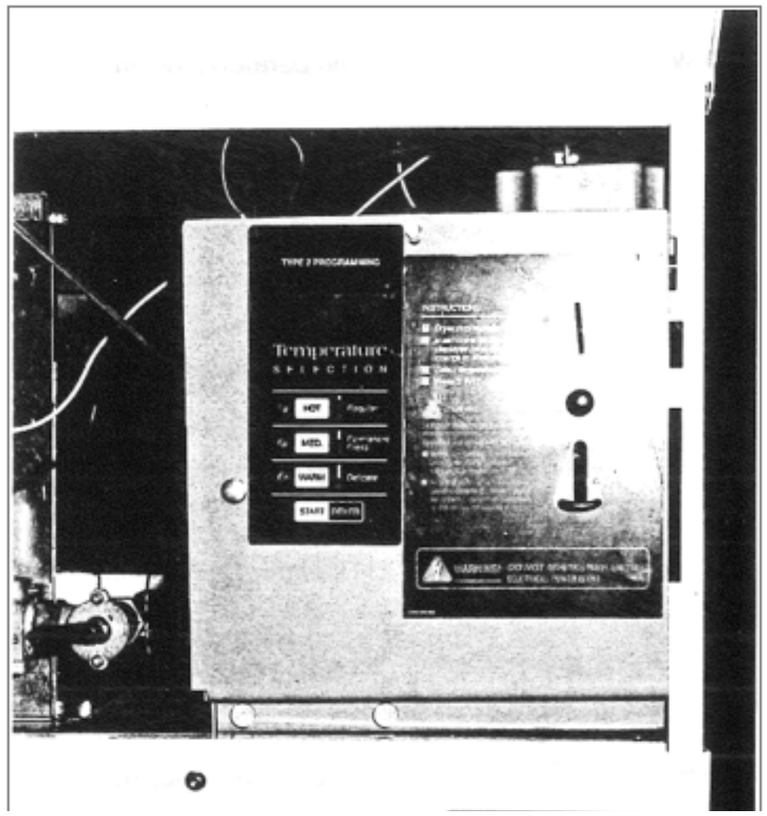
1. Unlock and open the upper service door.
2. Open the loading door.
3. Remove the bright metal plug found just to the left of the WARM cycle light.
4. Push the Program Button that is now accessible through a hole in the control mounting plate.
5. The control will switch to the Program mode.

PROGRAMMING

1. The annunciator lights in the display and temperature lights identify each programming step.
2. The START button advances the controller to the next programming step and stores any changes to the program in memory.

Important: Always remember to push START to store new data in the permanent memory. If you only change the display, the permanent memory hasn't been changed.
Always push START after any program change before exiting the program mode.

3. The HOT and PERM PRESS buttons increase and decrease the values in the display.
4. The WARM button zeros hour meter and coin count in program steps 1 and 2. This button also restores the original factory settings for the step being displayed in program steps 3 through 14.



Order of Programming Steps

Cycle Lights	Display	Programming Step	Options/Range of Limits	Factory Settings
0 H 0 PP 0 W		Hourmeter	May be reset / 0 to 9999hr.	0
	--	Money Audit	May be reset / 0 to $9999	0
0 H	-	Temperature, Hot	150 to 190 degrees F (5 degrees increments)	175
0 PP	-	Temperature, Perm Press	120 to 170 degrees F (5 degree increments)	150
0 W	-	Temperature, Warm	110 to 150 degrees F (5 degree increments)	125
	--	Skip (not used)		
	--	Coin Value	0 to 100 (Increments of 5)	25
	-	Vend Price	0 to 100 (Increments of 5)	25
	---	Skip (not used)		
	---	Time per Coin	0 to 99:59 minutes (5 second increments)	10.00
	-	Time of Free Vend	0 to 99:59 minutes (5 second increments)	10:00
0 H	- -	Cool-down Time, Hot	0 to 10 minutes (5 second increments)	2:00
0 PP	- -	Cool-down Time, Perm Press	0 to 10 minutes (5 second increments)	2:00
0 W	- -	Cool-down Time, Warm (5 second increments)	0 to 10 minutes	2:00
	F	Temperature Scale	F Farenheit or C Celcius	F

Computer Dryer Only

EXITING PROGRAMMING MODE
The controller remains in the programming mode until one of the following happens:
1. The Program Button is pushed again.
2. The last step of the programming sequence is completed and the step switch is pushed following this last step.
3. Programming is stopped for approximately one minute.
4. The loading door is closed.

HEAT CIRCUIT
120 volts comes in on L1 and goes to the normally closed Over Temperature Safety Thermostat 120 volts comes from the Over Tempernture Safety Thermostat to the Door Switch. With the door shut, power is then supplied by the blue wire to the Run Relay on the Computer Board. When coins are added and the Start Pad is pushed, 120 volts travels through the Run RP-!a}&..t,q,Jt1f' trifugal Switch in the drive motor on the red wire. After the drive motor starts, the Centrm.1ga1:Swifch moves to the run position disengaging the motor start winding and providing 120 volts to the Gas Relay on the black wire. When the Computer Board calls for heat the Gas Relay will close and power will be supplied to the Damper Switch by the gray wire. The normally open Damper Switch is closed as soon as the drive motor and blower start. 120 volts travels on the brown wire from the Damper Switch through the normally closed High limit Thermostat to the primary side of the Ignition Control Transformer on the orange/black wire. The secondary side of this transformer steps 120 volts down to 24 volts. The 24 volt signal is then sent through a 1.5 amp fuse to the Spark Ignition Module on a red wire. The Spark Ignition Module sends a high voltage signal to the Spark Electrode for i O 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 Coills to open the valve. When ignition occurs the high voltage spark 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.

Rotary Meter Dryer Only

DESCRIPTION OF OPERATION
The rotary meter dryer utilizes a rotary 25c meter to accept coins and accumulate time. It has two external switches. Switch "A" (coin meter switch) controls the total time of operation and switch "B" (cool down switch) controls heat and gives the one minute cool-down time at the end of the timed cycle. There are interchangeable white timing cams that set the number of minutes for each quarter. Current production uses a 6 peg timing cam that gives 1 O minutes for a quarter. For optional times refer to the chart below.

TIMING SPECIFICATIONS
The following chart gives time per quarter using timing cams with different numbers of pins on them.

Timing Chart

60 Minute Timer Motor

Time per Quarter	Number of Pins for Timing Cam	Part Number for Timing Cam
30 minutes	2	9095-032-009
20 minutes	3	9095-032-010
15 minutes	4	9095-032-006
12 minutes	5	9095-032-007
10 minutes	6	9095-032-002
8 min. 37.5 sec	7	9095-032-011
7 min. 30 sec.	8	9095-032-001
6 min. 40 sec.	9	9095-032-003
6 minutes	10	9095 032 004
5 min. 30 sec.	11	9095-032-012
5 minutes	12	9095-032-005

Rotary Meter Dryer Only

OPERATING INSTRUCTIONS
1. Load clothes into the tumbler and close the door.
2. Insert a coin into the coin slot and turn knob until coin drops.
3. Set the temperature selector to the desired setting. Temperature may be changed at any time during the cycle.
4. Depress the push to start button to start the dryer.
5. Additional time may be accumulated by adding more coins.

IMPORTANT: Opening the loading door will stop the dryer. However, the "ON" light will remain lit and the timer will continue to count down the time. To restart the dryer after opening the door the push to start switch must be depressed.

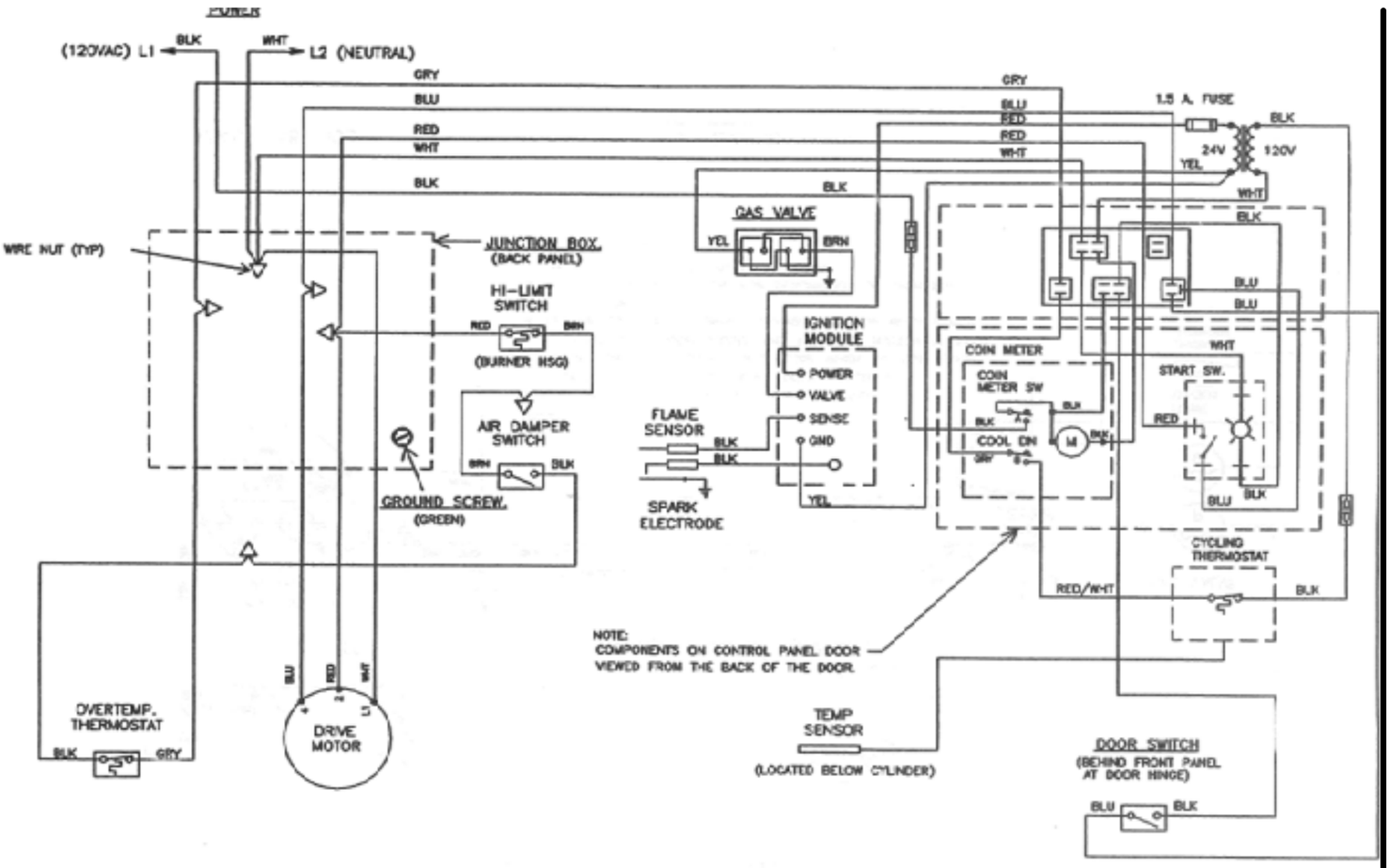
6. There is an automatic cool-down period of approximately one minute at the end of the cycle. During the cool down period, the dryer tumbles and the blower operates with the heat off to cool down the clothes.

Rotary Only

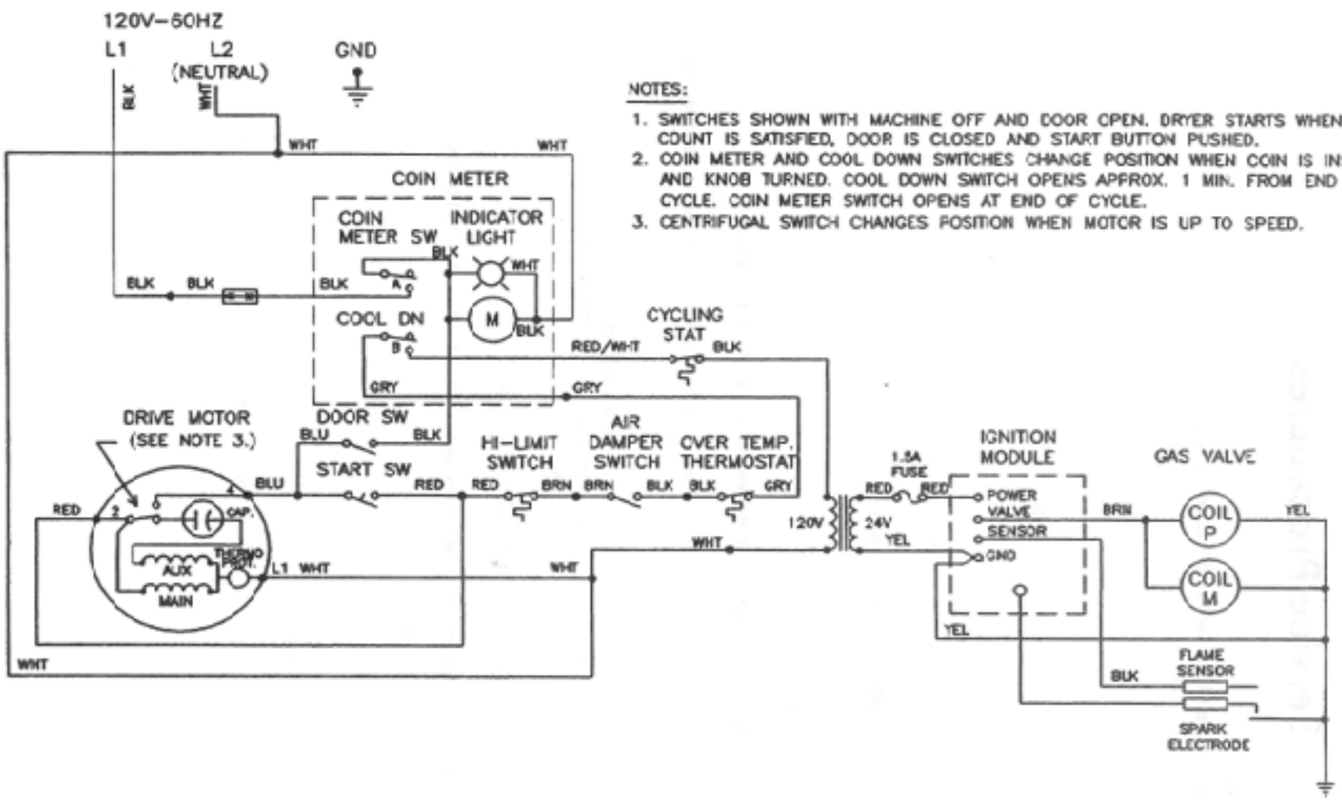
HEAT CIRCUIT
120 volts comes in on L1 and goes to the normally closed Over Temperature Safety Thermostat. 120 volts comes from the Over Temperature Safety Thermostat to the Coin Meter Switch. When coins are added 120 volts travels through the Coin Meter Switch A to the Door Switch. With the door shut, power is then supplied to the Start Switch. When the start switch is pushed, 120 volts is supplied on the red wire to the Centrifugal Switch in the drive motor. After the drive motor starts, the Centrifugal Switch moves to the run position. This disengages the motor start winding and the start switch no longer needs to be depressed. The drive motor now runs on 120 volts from the blue wire coming from the door switch. This blue wire provides 120 volts to the red wire at the drive motor through the centrifugal switch. The red wire now supplies power to the High-Limit Thermostat. The normally closed High-Limit Thermostat supplies power on the brown wire to the Damper Switch. The normally open Damper Switch is closed as soon as the drive motor and blower start. 120 volts travels on the gray wire from the Damper Switch through the Coin Meter Cool Down Switch B. Power then goes to the Cycling Thermostat on the red/ white wire. When the Cycling Thermostat calls for heat, 120 volts is sent to the primary side of the Ignition Control Transformer. The secondary side of this transformer steps 120 volts down to 24 volts. The 24 volt signal is then sent through a 1.5 amp fuse to the Spark Ignition Module on a red wire. The Spark Ignition Module sends 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 1o seconds.

Section 3:

Electrical
Wiring Diagrams &
Schematics



9345-841-003 WIRING DIAGRAM DRR55



9345-840-003 SCHEMATIC DRR55

Section 4:

Machine Service Procedures

Clothes Door Removal

1. The clothes door may be removed from the hinge bracket by unscrewing and removing the alien 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 is 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 120 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 at the rear of the machine, bottom exhaust outlet.

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.

Pressure Regulator Adjustment

Use the following procedure whenever it is necessary to check the pressure regulator setting.

NOTE: Any adjustment of the pressure regulator must be made with a manometer attached at the plug in the main burner manifold.

1. Shut off the gas supply to the dryer.
2. Remove the 1/8" pipe plug from the end of the ma,in burner manifold.
3. Attach a manometer to the manifold end.
4. Remove the pressure regulator cover screw on the gas valve.
5. Open the shut-off valve, and operate the dryer.
6. Adjust the pressure for a manometer reading of 3.5" water column gas pressure. (11.0" for LP.)

NOTE: The main burners must be operating when adjusting the pressure regulator.

7. Shut off the gas supply to the dryer. Remove the manometer and install the Ya" pipe plug in the manifold.
8. Open the shut off valve, start the dryer and check for gas leaks while the burners are ignited.

Push to Start Switch Removal

The push-to-start switch can be removed by compressing the plastic locking tabs on both ends of the switch and removing from the back of the control panel.

Front Panel Removal

To remove the front panel, first remove the loading door from the panel. Then remove the two left side screws and the four right side screws. The trim does not have to be removed. The panel may be removed with the door left in place, although it is much heavier and more awkward to do so.)

NOTE: Always remove power from the machine before changing drive belts or working with the drive and fan system.

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. Next turn the intermediate drive pulley and work the belt off of it similarly to the above belt.

Blower Impeller Removal

Remove motor support assembly with motor and impeller cover ,to access the impeller. Mark shaft location and remove 2 set screws that hold the motor to the shaft.

Air Switch Removal & Adjustment

The air switch assembly is part of the ignition safety circuit and insures that the burners don't operate unless there is air flow. If this doesn't happen ignition will not occur. The air switch assembly is mounted on the rear back panel..

Electronic Ignition Module

This machine uses an electronic spark ignition system to directly light the burners.

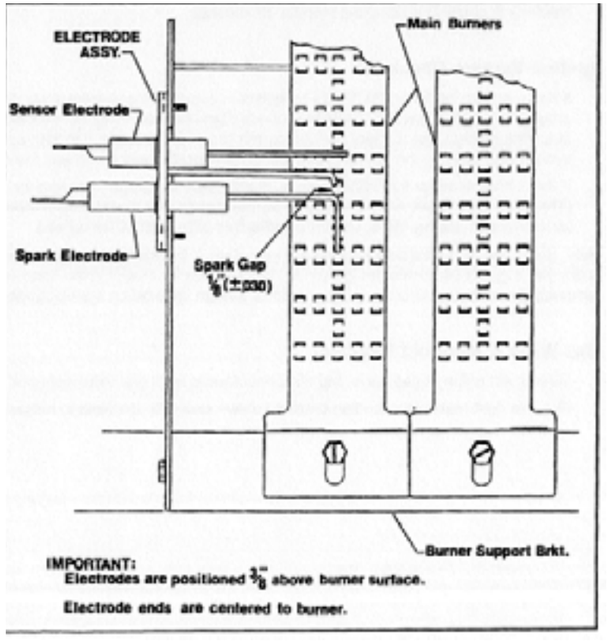
1. The electronic ignition mo.dule (gray box) is located inside the upper access door in the control box.
2. The red wire from the transformer, thru the 1.5 amp fuse and into the module supplies the 24 volts required to operate the entire direct ignition system.
3. The black colored hi-voltage wire (spark plug type) plugs onto the post connector on the module, and the multi-wire plug fits into the side of the module.

Spark Electrode Assembly-Function

1. The spark electrode and sensing electrodes are located.directly over the left burner inside the burner housing.
2.

The electrode with conducts the spark to the gap between these two areas should be ¼". The dis tance from the electrode to the burner assembly should be ¾"

3. The electrode with the black sensing wire detects ignition and monitors flame by signaling the module.



Spark Electrode Assembly-Removal

1. Remove electrode cover and disconnect wires to electrodes.
2. Remove two screws to detach electrode assembly.

NOTE: Proper grounding of the ignition system (yellow wires) is very critical for proper ignition sequence.

Ignition System-Function & Sequence

During normal dryer operation, the following occurs:

1. The dryer thermostat calls for heat.
2. If the drive motor is running, the motor safety circuit provides power to the hi-limit thermostat, air damper switch, and cycling thermostat in that order. If the thermostat senses that the temperature is low enough to require the heat should be on a circuit is closed allowing power to the ignition module (gray box). After approximately 1O seconds of purge time power is applied to open the gas valve and at the same time sparking occurs at the ignition electrode.
3. Once the flame is established, the sensing electrode detects the presence of flarne and the sparking stops.
4. If for any reason the flame is not established in a period of 1o seconds, the gray box shuts down the sparking and closes the gas valve which is now in "Safety Lock-Out". Normally the 1o seconds "Trial For Ignition" period is more than ample to establish and prove flame.
5. If the flame is shut down or blown out during operation, the igniter will immediately go into "Trial For Ignition"' again for 1O seconds.
6. However, if during any 1o second "Trial for Ignition", the flame is not established, the ignition system goes into "Safety Lock-Out" and will not reactivate the "Trial for Ignition" until there is a current interruption for a period of 15 seconds. This interruption can be provided by opening the dryer loading door and allowing the machine to come to a complete stop for 15 seconds.

Ignition System Checkout

1. If flame is present during the "Trial For Ignition" period.but the system shuts down, there may be an improper ground. The entire ignition system is grounded together including the electrode assembly, the electrode mounting bracket, the burners and the burner bracket. Shutdown can also occur if for some reason the system isn't sensing the flame. Check the sensor for damage and check the connections of the sensor lead.
2. If there is no spark or intermittent spark, check black hi-voltage lead wire for damage or cracks in insulation; (This lead wire must not be taped or connected to any metal edges along its length to prevent pinching and arcing. Also, do not bundle this wire with other wires.)

Note: Spark gap and electrode location are important. If the electrode is damaged or mounting is changed the spark gap may not be correct for ignition to occur. Check for cracks in the ceramic insulator. Replace electrode assembly if necessary. Also check for carbon or foreign material on the electrodes and clean if necessary.

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
Remove manifold & gas valve.assembly as previously discussed. Remove the screw securing the front of the burner to the support bracket. The burner may now be removed.

Cylinder Pulley Removal
Remove nut holding pulley to cylinder shaft. Pull pulley straight off of shaft. Do not lose the tolerance ring that grips the shaft.

Intermediate Pulley Removal
The intermediate pulley can be removed by removing the snap ring holding the pulley to the tension arms.

Tension Arm Assembly Removal
The tension arm assembly may be removed by removing the snap ring that holds it to the tension arm support assembly pin. If it is necessary the arm assembly is replaced as a complete unit.

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.

Cylinder Removal
1. Remove the front panel in front of the cylinder.
2. Remove drive belt, pulley, and tolerance ring 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 (3,6,9 and 12 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.

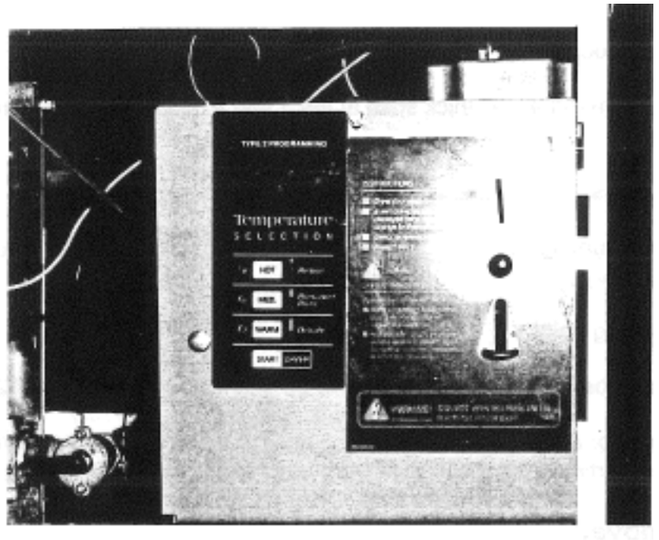
Bearing Housing Removal
After removing cylinder as previously outlined, simply unbolt the bearing housing and remove.

SERVICE PROCEDURES
Controls DRR55Q Computer Only

ELECTRONIC CONTROL FAILURE CODES
1. F1 -- Shorted sensor or shorted sensor wire harness.
2. F2 -- Open sensor or sensor wire harness unplugged.
3. F3 -- Electronic Control Failure.

WARNING - DISCONNECT ELECTRICAL POWER TO THE DRYER BEFORE PROCEEDING. ELECTRONIC CONTROL REMOVAL
CAUTION: AS WITH ALL ELECTRONIC CONTROLS, THIS CONTROL CAN BE DAMAGED BY STATIC ELECTRICITY. ALWAYS HANDLE CONTROLS BY THE EDGES. NEVER TOUCH A CONTROL WITHOUT TOUCHING THE CABINET OF THE DRYER FIRST TO GROUND YOURSELF.

1. Unlock and open the upper service door. It is held open with the door support arm.
2. Remove the 1/4" control panel mounting screw (located at the top center of the panel).
3. Swing the control panel down to rest on its rubber bumpers.
4. Remove the multiple wire connectors from the board.
5. Remove the wires from the motor relay (Note their location). The double blue wire goes on the top terminal (Common) and the single red wire goes on the middle terminal (Normally Open). The bottom terminal (Normally Closed) is not used.
6. Remove the four nuts that mount the electronic control board. (Note the lock washer under one nut. Be sure that the lock washer is reinstalled in the correct position as it grounds the control).
7. Lift the control a few inches to reveal the ribbon connector for the membrane switch. The ribbon cable is removed from the connector on the board by pulling on it. (To reinstall the ribbon, hold it near the end and push it into the connector until it bottoms out).



MEMBRANE SWITCH REMOVAL AND INSTALLATION

1. Unlock and open the upper service door. It is held open with the door support arm.
2. Peel the adhesive membrane switch off the mounting plate. (Note: the switch can not be reused)
3. Pull the ribbon from the connector on the electronic control board and remove the membrane switch.
4. Clean the mounting plate before installing new switch.
5. Remove the 1/4" control panel mounting screw (located at the top center of the panel).
6. Swing the control panel down to rest on its rubber bumpers.
7. Remove the four nuts that mount the electronic control board. (Note the lock washer under one nut. Be sure that the lock washer is reinstalled in the correct position as it grounds the control).
8. Route the ribbon cable through the slot in the mounting plate.
9. Install the membrane switch.
10. Lift the control a few inches to reveal the ribbon connector for the membrane switch. To install the ribbon, hold it near the end and push it into the connector until it bottoms out.

COIN ACCEPTOR REMOVAL

1. Unlock and open the upper service door. It is held open with the door support arm.
2. Remove the 1/4" control panel mounting screw (located at the top center of the panel).
3. Swing the control panel down to rest on its bumpers.
4. Remove the two screws that mount the acceptor.
5. Remove the two wires from the coin switch. (Note: the wires go on the outside, Normally Open terminals. The middle terminal is not used.}
6. The coin return button and its retainer can be disassembled by removing one additional screw. (Note: keep this screw separate from the acceptor mounting screws as it is shorter)
7. The coin return bail (U-shaped) can be removed by unscrewing two nuts.
8. The coin switch can be removed from the coin acceptor by removing the two mounting screws.

COIN ACCEPTOR ADJUSTMENT

1. Coin thickness

On the right side of the acceptor there is a coin thickness adjusting screw "A" with a locking nut. To allow for different thickness coins the screw can be turned in to accept thicker coins and turned out to reject thicker coins. Start with a quarter of a turn on this screw and be sure to tighten the lock nut after adjustment.

2. Coin height

On the left side of the acceptor is a coin height adjusting bar "B". This bar is adjusted by loosening the two mounting screws and moving both ends of the bar up or down equal amounts. The bar should be raised as high as possible while still accepting the correct coins. If it is raised too high the good coins will be rejected.

3. Coin Switch Adjustment

The normally open coin switch "C" should click (close} soon after the coin hits the operator wire. However, there must be enough travel to allow the switch to reset (open) once the coin has passed. Adjustment should be made by bending the wire very close to its attachment point.

COIN ACCEPTOR CLEANING

1. Remove the acceptor from the machine (see Coin Acceptor Removal).
2. Remove the coin switch from the acceptor (see Coin Acceptor Removal).
3. Remove the retaining clip from the top of acceptor.
4. The coin acceptor will disassemble into two halves.
5. Clean the acceptor with warm soapy water.
6. Be sure that the acceptor is completely dry before reassembling and installing it in the dryer.

TEMPERATURE TESTING

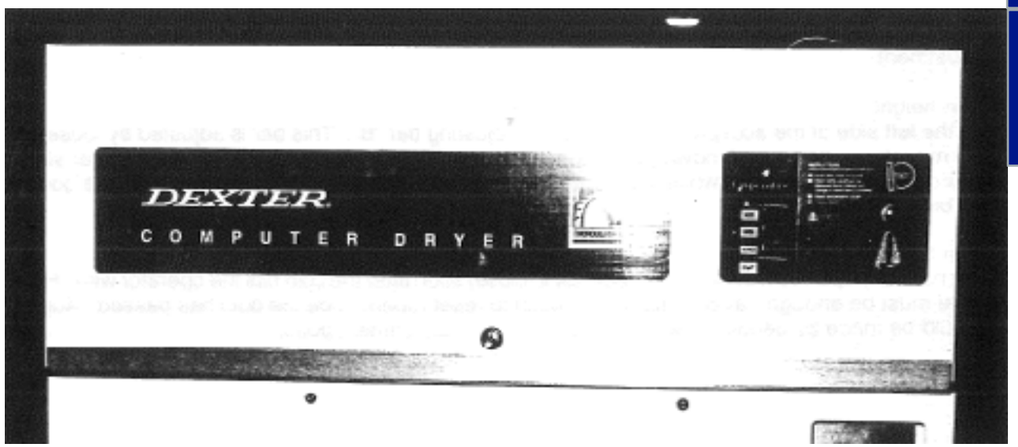
1. Temperature readout is available by pressing the temperature selection button that is in use along with the start button.

TEMPERATURE SENSOR TESTING

1. The temperature sensor should have between 30,000 ohms and 60,000 ohms resistance at Room Temperature. An open reading (infinite ohms) or a shorted reading (0 ohms) means that the sensor or the sensor wiring has failed.

TEMPERATURE SENSOR REMOVAL

1. Unlock and open the lower service door.
2. Remove the button plug that mounts the sensor bracket.
3. Remove the two wire nuts.
4. Remove the sensor to sensor bracket mounting screw and remove the sensor.



Controls
DRR55Q Rotary Coin Meter Only

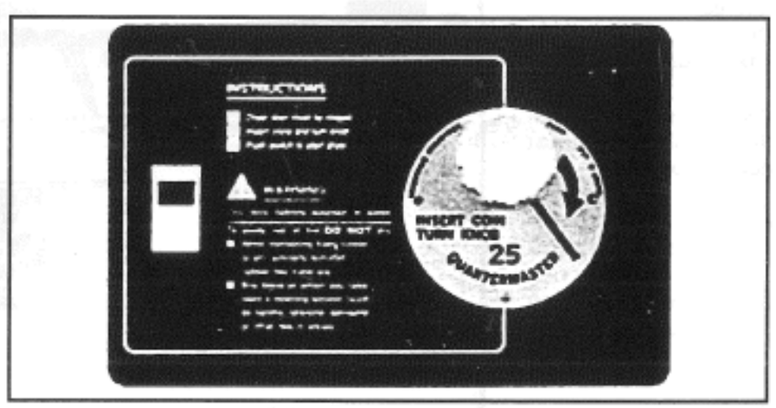
WARNING - DISCONNECT ELECTRICAL POWER TO THE DRYER BEFORE PROCEEDING

COIN METER OPERATION AND TESTING

1. The Coin Meter Switch (switch "A") controls the total time of operation. Remove the two wires form the switch and using the ohms scale on your test meter, check the switch for continuity. The switch should be open (infinite ohms) before any coins have been inserted. The coin meter switch should be closed (b ohms) when coins are inserted and the knob is turned.
2. The Cool Down Switch (switch B} controls the heat and gives a one minute cool down at the end of the cycle. Remove the wires from the switch and using the ohms scale on your test meter, check the switch for continuity. The switch should be open (infinite ohms) before any coins have been inserted and during the cool down in the last minute of the cycle. The cool down switch should be closed (0 ohms) when coins are inserted and the knob is turned.

COIN METER REMOVAL

1. Unlock and open the upper service door. It is held open with the door support arm.
2. Remove the 1/4" hex head retaining screw on the left side of the meter panel door to open the door.



ROTARY COIN METER

Timing Chart
60 Minute Timer Motor

Time per Quarter	Number of Pins for Timing Cam	Part Number for Timing Cam
30 minutes	2	9095-032-009
20 minutes	3	9095-032-010
15 minutes	4	9095-032-006
12 minutes	5	9095-032-007
10 minutes	6	9095-032-002
8 min. 37.5 sec	7	9095-032-011
7 min. 30 sec.	8	9095-032-001
6 min. 40 sec.	9	9095-032-003
6 minutes	10	9095-032-004
5 min. 30 sec.	11	9095-032-012
5 minutes	12	9095-032-005

DRR55Q Rotary Coin Meter Only

THERMOSTAT TEMPERATURE TESTING

1. To check the temperature at which the control thermostat is cycling off, remove the exhaust vent from ABOVE the dryer heat reclaimer at the back of the dryer.
2. This test should be done with at least a partial load of clothes in the tumbler.
3. Allow the burner to cycle at least three times to stabilize temperatures.
4. Place a thermocouple or shake down thermometer in the exhaust vent at the top of the heat reclaimer. The temperature at this point with the temperature selector lever set on "Hot" should read approximately 140 degrees
F. This indicates the temperature at the capillary bulb on the thermostat is approximately 175 degrees F.

THERMOSTATTEMPERATUREADJUSTMENT

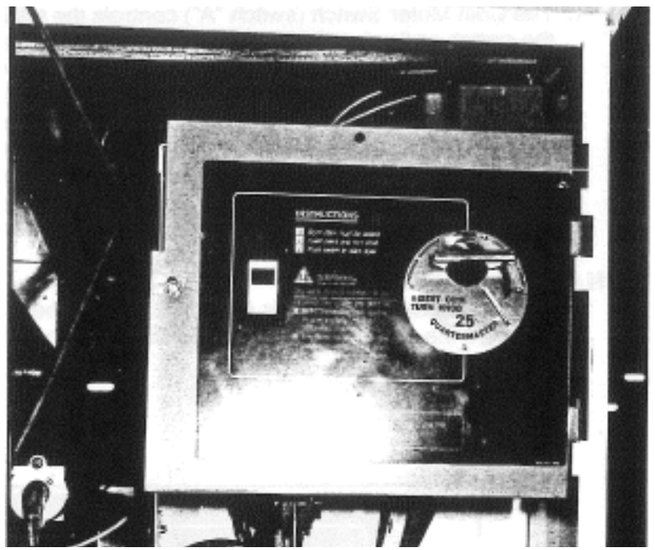
1. Turn nut "A" clockwise to increase
temperature and counterclockwise to decrease temperatures.
2. 1/4 turn of nut "A" on thermostat will affect temperature approximately 15 degrees F.
3. Recheck temperature (see Thermostat Testing) to determine if thermostat calibration has been corrected.

THERMOSTAT TESTING

1. Remove the two wires from the thermostat switch.
2. With the dryer cold, an ohm reading on the switch of O is normal as the switch is closed.

THERMOSTAT REMOVAL

1. Remove lower service door (see Lower Service Door Removal).
2. Remove lint screen and lint trap hood (see Lint Trap Hood Removal).
3. Press the two split grommets, holding the
thermostat sensor bulb, out of the baffles and in towards the bulb. Remove the grommets and pull the sensor bulb and capillary tube away from the baffles.
4. Remove the capillary grommet from the cabinet back and the control housing back. Remove all capillary clips. Pull the sensor bulb and capillary tube out through the back of the cabinet
5. Open the upper service door and remove the temperature selector lever knob.
6. Remove the wire leads connected to the thermostat terminals.
7. Remove the two 1/4" hex head screws holding the thermostat mounting bracket to the control housing and remove the thermostat and mounting bracket assembly.



Section 5:

Trouble Shooting

Common Troubleshooting Solutions

Symptom	Probable Cause	Suggested Remedy
Tumbler does not turn	Drive belts	Check both drive belts
	Overtemp Thermostat	Check to see if manually resettable thermostat is kicked out.
	Drive Motor	Check capacitor and motor
	Door Switch	Check door switch contacts and adjustment
	(Rotary) Coin Meter	Coin meter must have coins to energize the coin meter switch closed.
	(Rotary) Push to Start	Hold switch until motor switch reaches full speed. If no results check for continuity through switch when pushed.
	(Rotary) Wire connections between push-start, coin meter, and motor	Check for loose or broken wires.
	(Computer) Electronic Control	Check motor run relay for 120 volt output
	(Computer) Coin Acceptor Switch	Check normally open switch for continuity when actuated.
	(Computer) Wire connections between coin acceptor, elec. control, and motor	Check for loose or broken wires.
	(Computer) Push to Start Switch	Check inoperative membrane switch
Tumbler turns but no spark at burner	Glass fuse	small glass control fuse in back
	Hi-Limit Thermostat	Check switch contacts for continuity.
	Ignition transformer	Check for 24 V. out of transformer
	Ignition control	Try another control if 24 vac on red and yellow from transformer at connector.
	Air flow switch	Check for circuit through air flow switch
	Centrifugal switch	Centrifugal switch in motor should be closed when motor turning. Should have continuity if closed.If not replace or repair motor.
	System lockout	If system has failed to light on any trial.ignition will be locked out. Open door and wait 10 sec. for retry.
	Spark Electrode Gap	Gap should be 1/8”
	Improper Ground	Clean terminals and replace yellow ground wires.
	(Rotary) Cool Down Switch	Check cool down switch (B) for continuity (0 ohms resistance)when actuated
	(Comp) Electronic Control	Check gas relay for 120 volt output
	(Comp) Temp Sensor	see Service procedures section to troubleshoot Temp. Sensor

Tumbler turns, ignition sparks no flame	Gas supply	Make sure gas supply is working -- 3 1/2” NAT. 11” L.P. W.C. with manometer check.
	Spark electrode	Check electrode for damage to electrode of mounting
	Gas valve	Check coil continuity, replace valve if bad
	Loose or broken wires	Check wire connections between spark ignitions module and valve.
Slow drying	Hi-Limit Thermostat	Check shut-off temperature of thermostat. Compare to other dryers if possible.
	Airflow	Restrictions
	Lint screen	Clean screen
	Exhaust	Check complete exhaust system for any restrictions, lint clogged exhaust lines, to many elbows, to long of exhaust lines, or anything to obstruct proper air flow through the dryer.
	Makeup air	Check for adequate makeup air and properly sized make up air openings.
	(Comp) Temperature	Check computer for correct programmed temp.
	(Comp) Temp Sensor Failure	Computer will display F-1or F-2 failure code
	(Rotary) Temperature Setting	Check thermostat lever for correct positioning left is low heat and right is high heat.
	(Rotary) Thermostat out of adjustment	See Service procedures section for thermostat adjustment
(Computer) Erractic Display	Initial start up	If erratic on start up, leave power on for approx. one hour and check machine operation again.
	Grounding	Machine must be grounded by separate conductor back to neutral bar in breaker box
	Program	Check program and make corrections if necessary
	Voltage spike	Power down machine for 20 seconds and retry if no results then replace control.

Notes

Kits, Assemblies, & Common Parts

Coin Acceptor Components	Part Number
Mechanical Coin Acceptor	9021-002-016
Coin Drop Screws	9545-025-001
Loading Door Components	**Part Number**
Door Handle	9244-082-001
Door Close Switch	9539-461-001
Heating Circuit Components	**Part Number**
Ignition Control Module	9857-116-003
Ignition Electrode Assembly	9875-002-003
Thermostat, Hi-Limit	9576-203-002
Thermostat, Overtemp	9576-207-006
Fuseholder	9054-045-001
Fuse 1.5 amp	8636-018-001
Cabinet Components	**Part Number**
Cleanout Duct Assembly 8”	9973-034-001

Section 6:

Parts Data

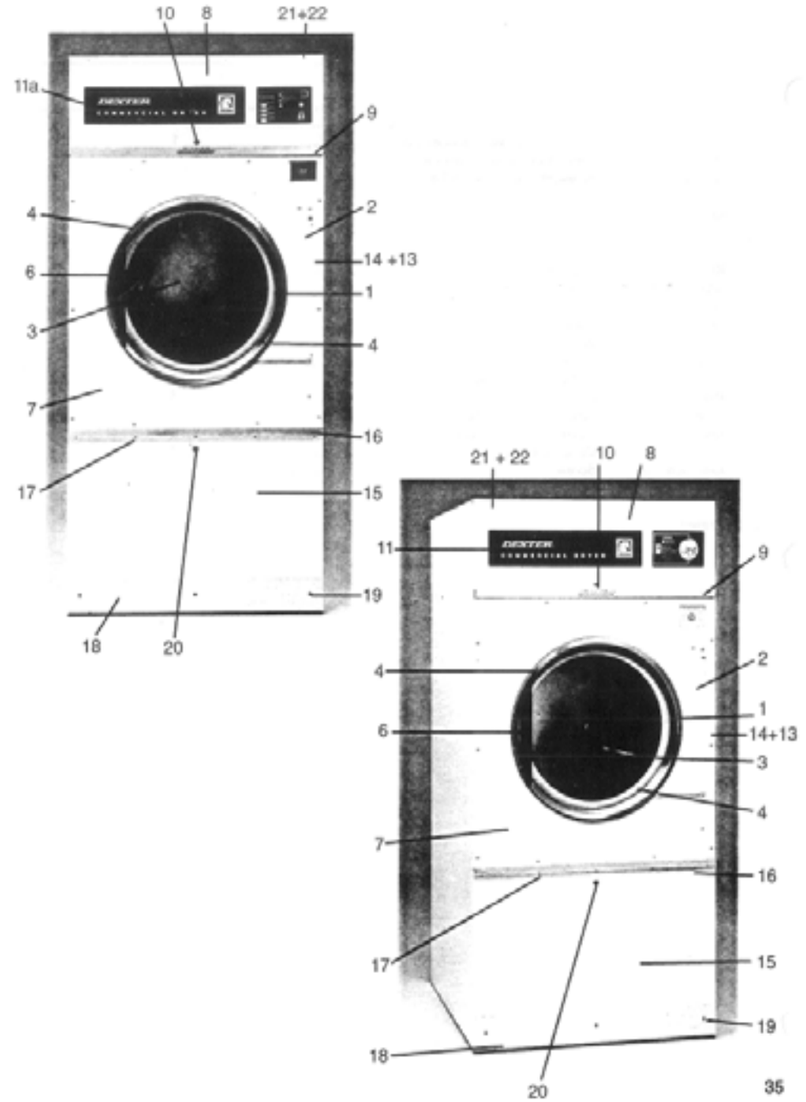
N-Series Coin

Models
DRR55Q
DRC55Q

Cabinet Group by Part

Key	Part Number	Description	Qty
*	9960-256-021	Door Assy., Loading Complete-Wht	1
*	9960-256-025	Door Assy., Loading Complete-SS	1
*	9960-256-022	Door Ass'y, Loading Complete-ALM	1
1	9960-255-007	Door Assy., Loading-SS	1
2	9982-280-002	Plate Assy., Hinge (Wht)	1
2	9982-280-011	Plate Assy., Hinge (SST.	1
*	9545-012-015	Screw, Hinge to Door	4
*	8640-413-002	Nut, Hinge to Door	4
3	9212-002-003	Glass, Door	1
4	9206-164-009	Gasket, Glass	1
*	9548-117-000	Support, Door Glass	1
5	9206-420-001	Gasket, Outer Rim	1
6	9244-082-001	Handle, Loading Door	1
*	9545-018-017	Screw, Handle	2
*	9531-033-001	Stud, Door Catch	1
*	8640-413-001	Nut, Hex	1
*	9086-015-002	Catch, Loading Door	1
7	9454-694-008	Panel Assy., Front- white	1
7	9454-694-003	Panel Assy., Front- S. Steel	1
7	9454-694-011	Panel Ass'y, Front-almound (computer only)	1
*	9454-694-010	Panel Ass'y, Front-almound (rotary only)	1
8	9108-102-007	Door, Upper Service-almound	1
8	9108-102-004	Door, Upper Service-White	1
8	9108-102-001	Door, Upper Service-SS-	1
9	9578-091-002	Trim, Door-Upper Service	1
10	8650-006-003	Lock, Upper Service	1
*	8638-211-001	Rivet, Drive	2
*	8641-581-005	Washer, Flat	2
*	9548-243-002	Support, Upper Door	1
*	6292-006-006	KEY - Only Service Lock	1
11	9412-083-001	Nameplate, Commercial Dryer ROTARY	1
11a	9412-083-002	Nameplate, Commercial Dryer COMPUTER	1
12	9545-012-003	Screw, Chrome	4
*	8641-436-000	Washer, Fiber	4
*	8641-582-019	Lockwasher	10
*	8640-399-001	Nut, Spring	6
13	9544-047-002	Strap, Hinge (White)	1
13	9544-047-007	Strap, Hinge (Gray)	1
*	9545-008-009	Screw, Hinge to Panel	4
14	9545-052-001	Screw, Door to Hinge Strap	1
*	8641-436-004	Washer, Fiber	1
15	9960-262-004	Door Ass'y, Lower Service-Almond	1
15	9960-262-003	Door Ass'y, Lower Service-White	1
15	9960-262-001	Door,Ass'y Lower Service--SS	1
16	9578-088-002	Trim, Door - Lower Service	1
17	9545-008-021	Screw,Pn Hd Cr., #10x3/8	4
18	9578-088-002	Trim, Kick- Lower Service Door	1
19	9545-008-010	Screw, Tr Hd Cr-#10x1/2 Blk	4
20	8650-006-003	Latch, Lower Door Lock & Key	1

* Not Illustrated

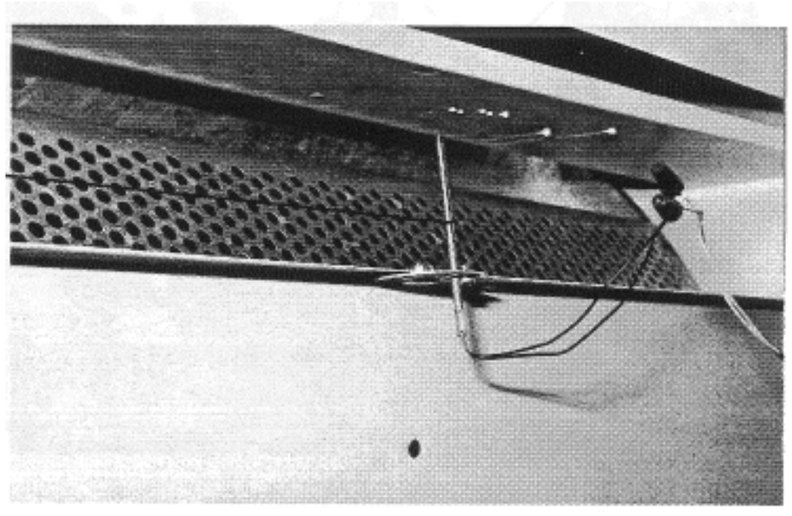


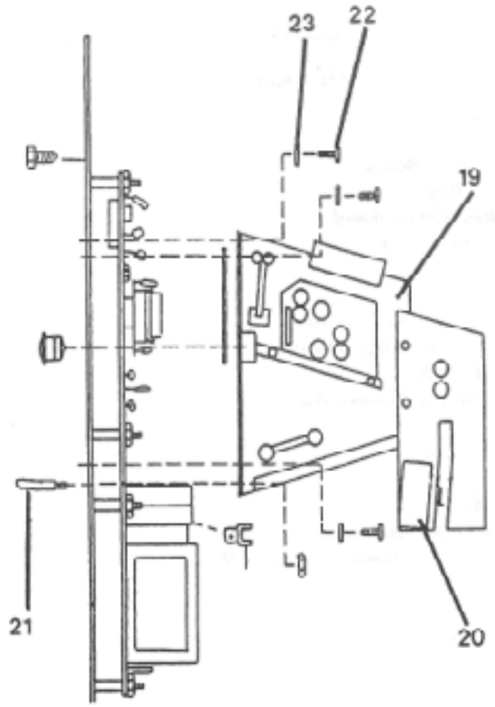
Key	Part Number	Description	Qty
*	8544-005-000	Leg, Leveling	4
*	9208-051-001	Guard Drive	1
*	9454-688-002	Panel, Side guard (L.H.)	1
*	9454-688-001	Panel, Side Gruard (R.H.)	1
*	9550-175-001	Shield, Motor	1
*	9812-012-001	Baffle, Cabinet-Left	1
*	9812-012-002	Baffle, Cabinet-Right	1
*	9545-008-003	Screw, #10x1/2	8
*	8658-012-000	Box, Electric Junction	1
*	8643-005-000	Cover, Electric Junction Box	1
21	9074-276-001	Cover, Cabinet	1
22	9545-008-024	Screw	10

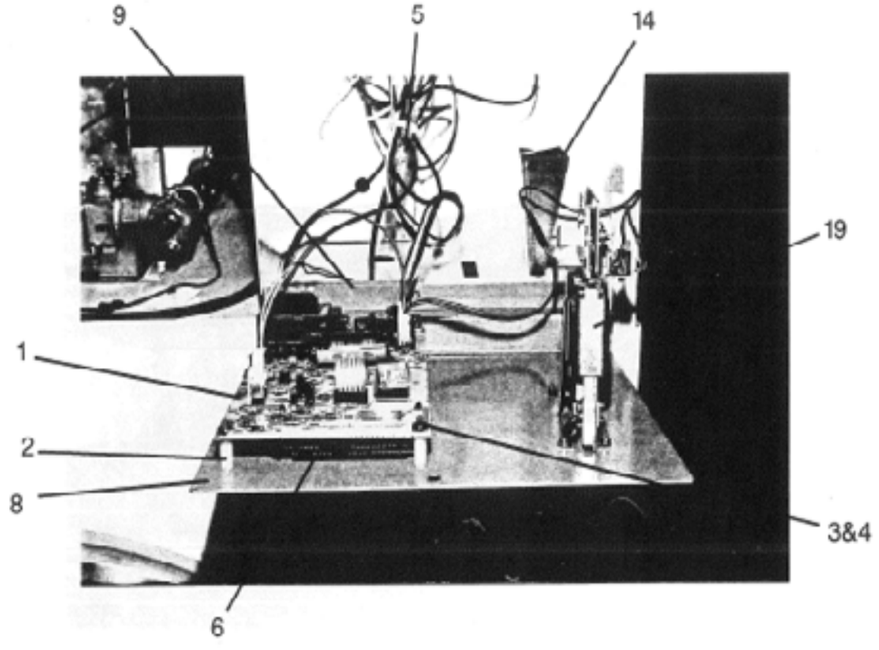
Control Housing Group
Computer Only

Key	Part Number	Description	Qty
1	9471-010-001	Electronic Control	1
2	9538-157-003	Spacers, Circuit Board	6
3	8640-276-003	Nut, Circuit Board	6
4	8641-582-009	Lockwasher, Circuit Board	6
5	9627-651-001	Harness, Wiring (Electronic Control)	1
6	9801-058-005	Switch, Ass'y Membrane	1
8	9982-281-004	Plate Ass'y Electronic Control	1
9	9545-008-008	Screw Plate Ass'y Mtg. (bottom)	2
*	9545-045-001	Screw, Mtg. (top)	1
*	8502-640-002	Label, Control Instruction/ Warning	1
*	9051-021-000	Bumper	2
14	9940-013-001	Chute Ass'y Coin	1
*	9545-008-008	Screw	4
*	9897-026-001	Terminal Block	1
*	9545-031-004	Screw Terminal Block Mtg	2
19	9021-002-016	Coin Acceptor Complete (includes #20)	1
20	9732-126-001	Switch, Coin	1
21	9063-004-001	Bail, Coin Return	1
22	9545-025-001	Screw, Acceptor Mtg	2
23	8641-573-012	Lockwasher	2

* Not Illustrated



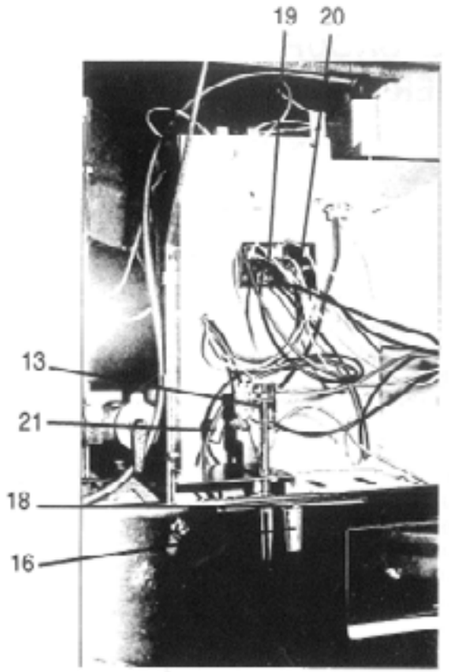


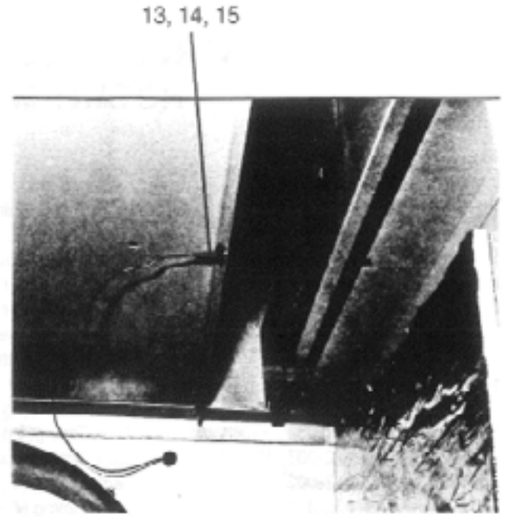


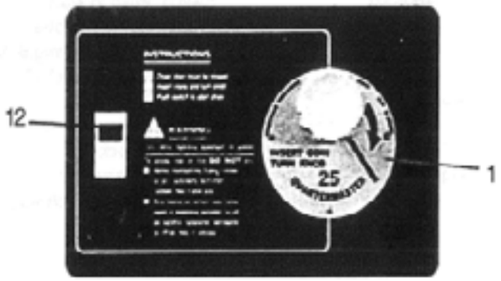
Control Housing Group
Rotary Meter Only

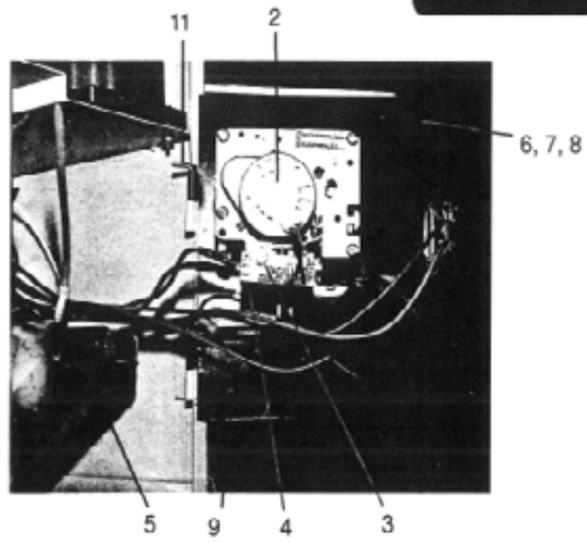
Key	Part Number	Description	Qty
1	9944-038-029	Meter Ass'y Coin	1
2	9376-212-001	Aotor	1
3	9539-444-002	Switch, Cool Down (B)	1
4	9539-444-001	Switch, Motor Start (A)	1
5	9940-015-001	Chute Ass'y Coin	1
6	8641-581-006	Washer, Flat (meter assy. mtg.)	2
7	8641-582-019	lockwasher(meter assy. mtg.)	2
8	8640-413-002	Nut (meter assy. mtg.)	2
9	9982-304-002	Plate, Meter Mtg	1
*	9095-032-006	Cam, Timing(4 pin)	
*	9095-032-007	Cam, Timing (5pin)	
*	9095-032-002	Cam, Timing (6 pin)	
*	9095-032-011	Cam, Timing (7 pin)	
*	9095-032-001	Cam, Timing (8 pin)	
*	9095-032-003	Cam, Timing (9 pin)	
*	9095-032-004	Cam, Timing (10 pin)	
*	9095-032-012	Cam, Timing (11 pin)	
*	9095-032-005	Cam, Timing (12 pin)	
11	9451-146-005	Pin Hinge	1
12	9539-460-001	Switch, Push to start	1
13	9576-209-002	Thermostat with probe	1
14	9545-044-004	Screw, thermostat mtg.6-32x1/4”	2
15	9545-045-001	Screw, Bracket 8Bx1/4”	2
16	9348-056-003	Lever, Thermostat	1
18	9545-010-008	Screw, Thermostat knob	1
19	9897-026-001	Terminal block	1
20	9545-031-004	Screw, Terminal block mtg	1
21	9053-067-001	Bushing, door switch wires	1

* Not Illustrated





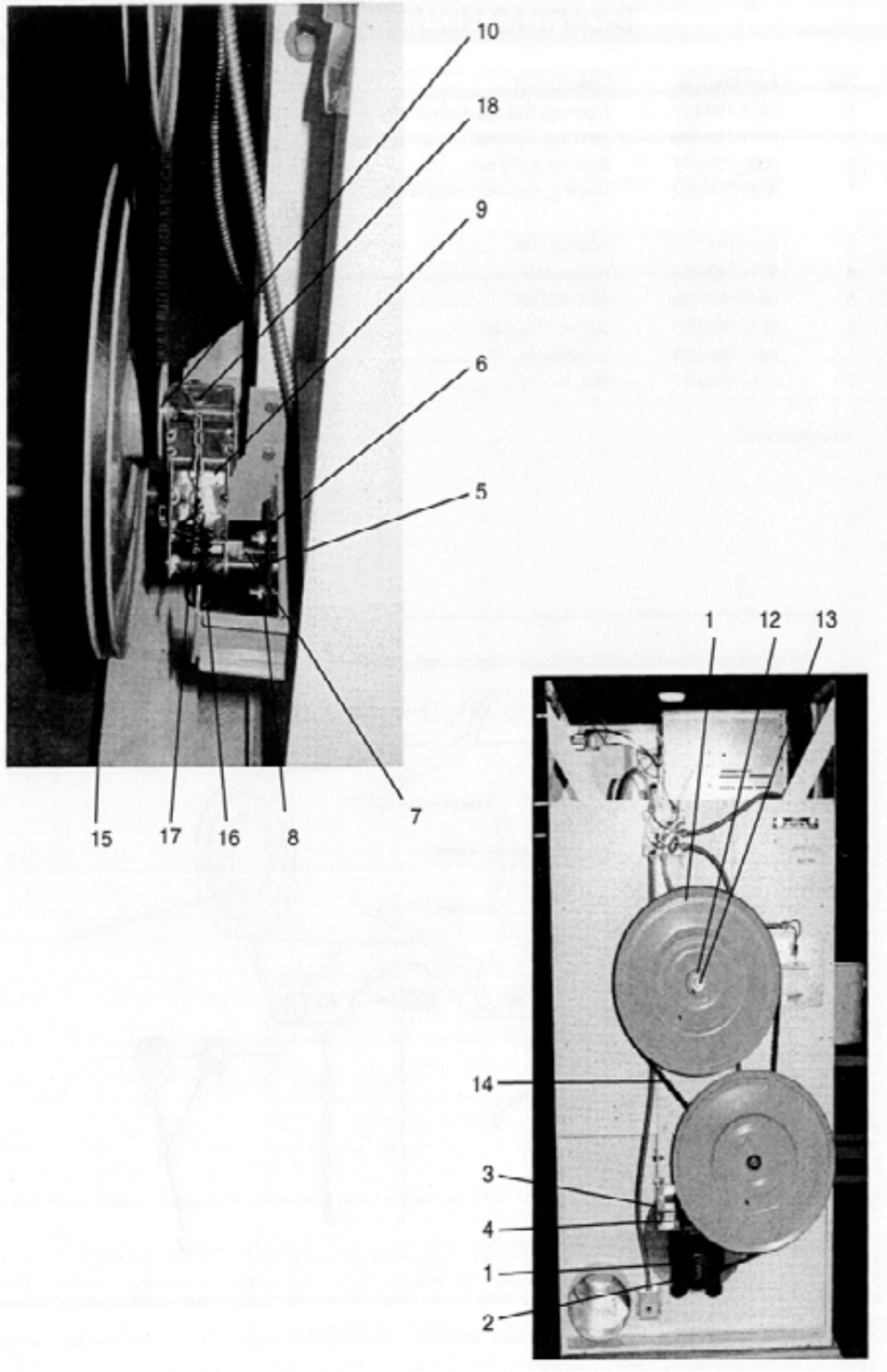




Drive Group by Part

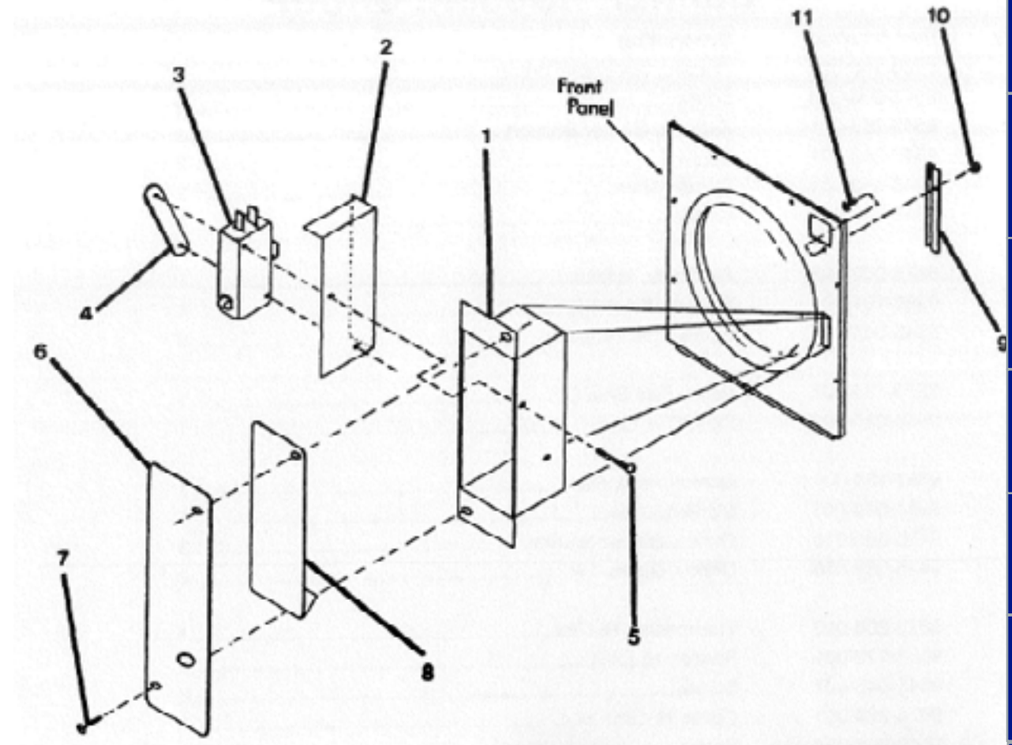
Key	Part Number	Description	Qty
1	9376-300-001	Motor, Drive.	1
*	9545-014-004	Screw, Hx 5/16	4
*	8640-400-003	Nut.	4
2	9453-169-010	Pulley, Motor	1
*	9545-028-013	Screw, Set.	2
3	9991-054-004	Support Ass'y, Motor	1
4	9545-029-005	Screw	4
4	8640-415-004	Nut	4
*	9278-038-004	Impeller	1
*	9074-277-001	Cover, Impeller	1
*	9545-008-001	Screw, Hx #10x1/4	4
5	9991-053-001	Support Assy, Intermed. Pulley	1
6	9545-029-010	Bolt, Rd Hd	3
7	9545-029-003	Screw	1
8	8640-415-004	Nut	3
*	8641-581-035	Washer, Flat	4
*	9861-024-003	Arm Assy Tension Complete Front Serial Number #124816	1
9	9861-024-001	Arm Assy-Tension, Complete	1
*	8641-581-035	Washer, Flat	6
*	9487-200-003	Ring-Retaining	2
*	9908-042-006	Pulley Assy Intermediate Use After Serial Number #124816	1
10	9908-042-003	Pulley Assy, Intermediate	1
*	9036-159-007	Bearing, Ball-Idler Pulley	2
*	9538-173-001	Spacer, Bearing	1
*	8641-581-035	Washer, Flat	6
*	9487-200-003	Ring, Retaining	2
11	9908-043-002	Pulley Driven	1
*	9487-234-001	Ring, Tolerance	1
12	8641-581-026	Washer, Flat	1
*	8641-582-016	Lockwasher	1
13	9545-017-009	Screw, Hx Cap	1
14	9040-077-005	Belt, Final Drive	1
15	9040-077-003	Belt, Motor Drive	1
16	9534-151-000	Spring, Belt Tension	1
17	9099-012-002	Chain, Spring Tension	1
18	9248-022-001	Hook, Tension	1
*	9208-051-001	Guard, Drive	1
*	9454-688-001	Panel, Drive Guard, RH	1
*	9454-688-002	Panel, Drive Guard, LH	1
*	9550-175-001	Shield, Motor	1
*	9545-008-003	Screw	2
*	9545-008-024	Screw	32

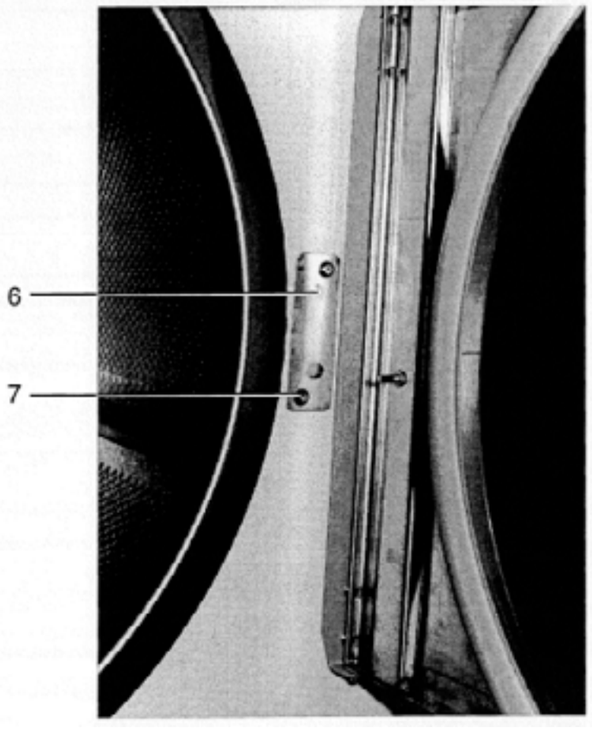
*Not illustrated



Door Switch Group by Part

Key	Part Number	Description	Qty
1	9041-076-001	Box, Door Switch	1
2	9550-159-001	Shield, Poor Switch	1
3	9539-461-001	Switch, Door	1
4	8640-401-001	Nut, Special Twin	1
5	9545-020-001	Screw, Pn Hd Sl.#4-40 x ¾	2
6	9074-255-001	Cover, Switch Box	1
7	9545-008-020	Screw, Box Cover	2
8	9008-004-001	Actuator, Switch- Lower	1
9	6068-041-001	Conduit.	1
10	9545-012-003	Screw	2
*	8641-436-000	Washer, Fiber	1
11	8640-413-004	Nut, Elastic Stop	2

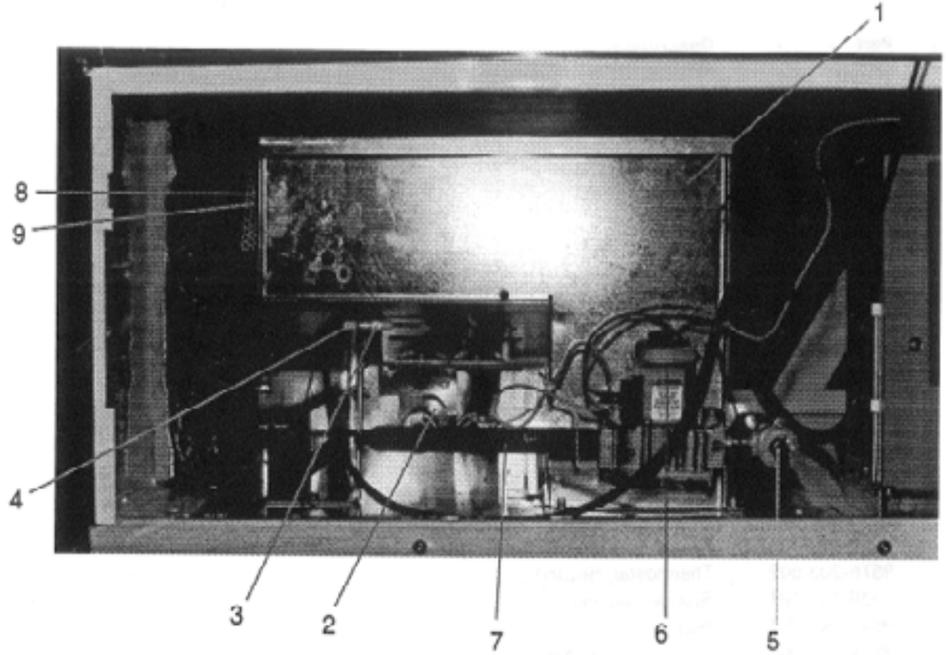




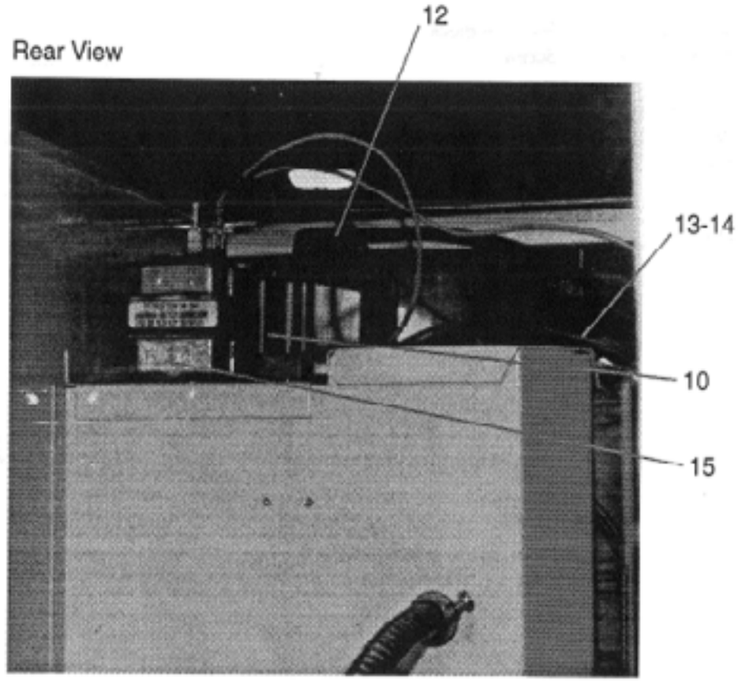
Burner Housing Group by Part

Key	Part Number	Description	Qty
1	9803-163-003	Housing Assembly, Burner	1
*	9545 008-024	Screw	4
*	9548-256-001	Support, Burner	1
*	9545-045-001	Screw	2
2	9048-018-001	Burner, Main	2
*	9545-045-001	Screw	4
3	9875-002-002	Electrode, Ignition	1
4	9985-161-001	Bracket, Electrode Mtg	1
*	9545-045-001	Screw, Electrode Mtg	2
5	9379-164-001	Valve, Gas Shut Off	1
*	9458-020-003	Pipe, Gas Line	1
6	9857-134-001	Control Assy, Gas	1
7	9381-009-001	Manifold, Assy	1
*	9425-069-015	Orifice, Burner-Natural	2
8	9576-203-002	Thermostat, Hi-Limit	1
*	9538-142-001	Spacer, Hi-Limit	2
*	9545-045-007	Screw	2
9	9074-234-001	Cover, Hi-Limit Stat	1
*	9545-008-024	Screw	1
10	9857-116-002	Control, Ignition	1
*	9545-044-002	Screw	2
*	8640-411-003	Nut, Hex Keps	2
11	9897-026-001	Terminal Block	1
*	9545-031-004	Screw	2
12	9631-403-003	Wire Assy, High Voltage	1
*	9627-711-001	Harness, Low Voltage Ignition	1
13	9054-045-001	Fuseholder	1
14	8636-018-001	Fuse	1
15	8711-002-001	Transformer, Control.	1
*	9545-008-026	Screw, #10 x 3/8	2
*	9732-102-005	Kit, LP Conversion	1

* Not Illustrated



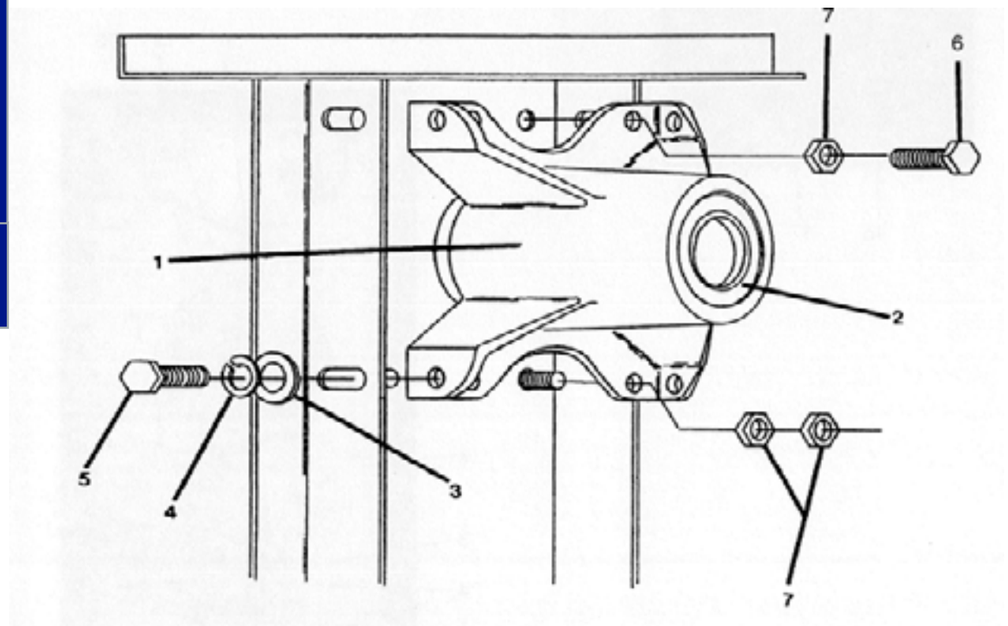
Rear View



Bearing Housing Group by Part

Key	Part Number	Description	Qty
*	9803-189-001	Housing, Bearing Ass'y (includes #1 and #2)	1
1	9241-183-003	Housing, Bearing	1
2	9036-159-001	Bearing, Ball-Rear	1
*	9036-159-002	Bearing, Ball-Front Sold on Spider	1
3	8641-581-026	Washer, Flat.	4
4	8641-582-004	Lockwasher	4
5	9545-017-004	Bolt, 1/2-13x1	4
6	9545-059-003	Screw, 7 1/16 -14x1 1/2	2
*	8641-582-013	Lockwasher,7 1/6	2
7	8640-416-001	Nut, 7/16 - 14	4

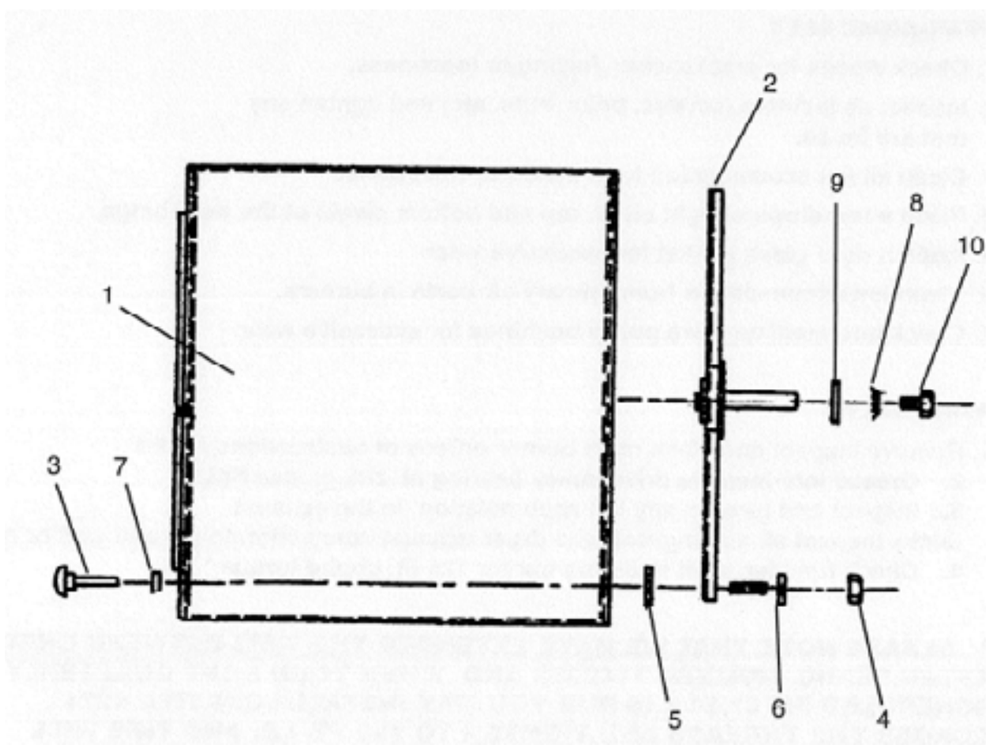
* Not Illustrated



Tumbler Group by Part

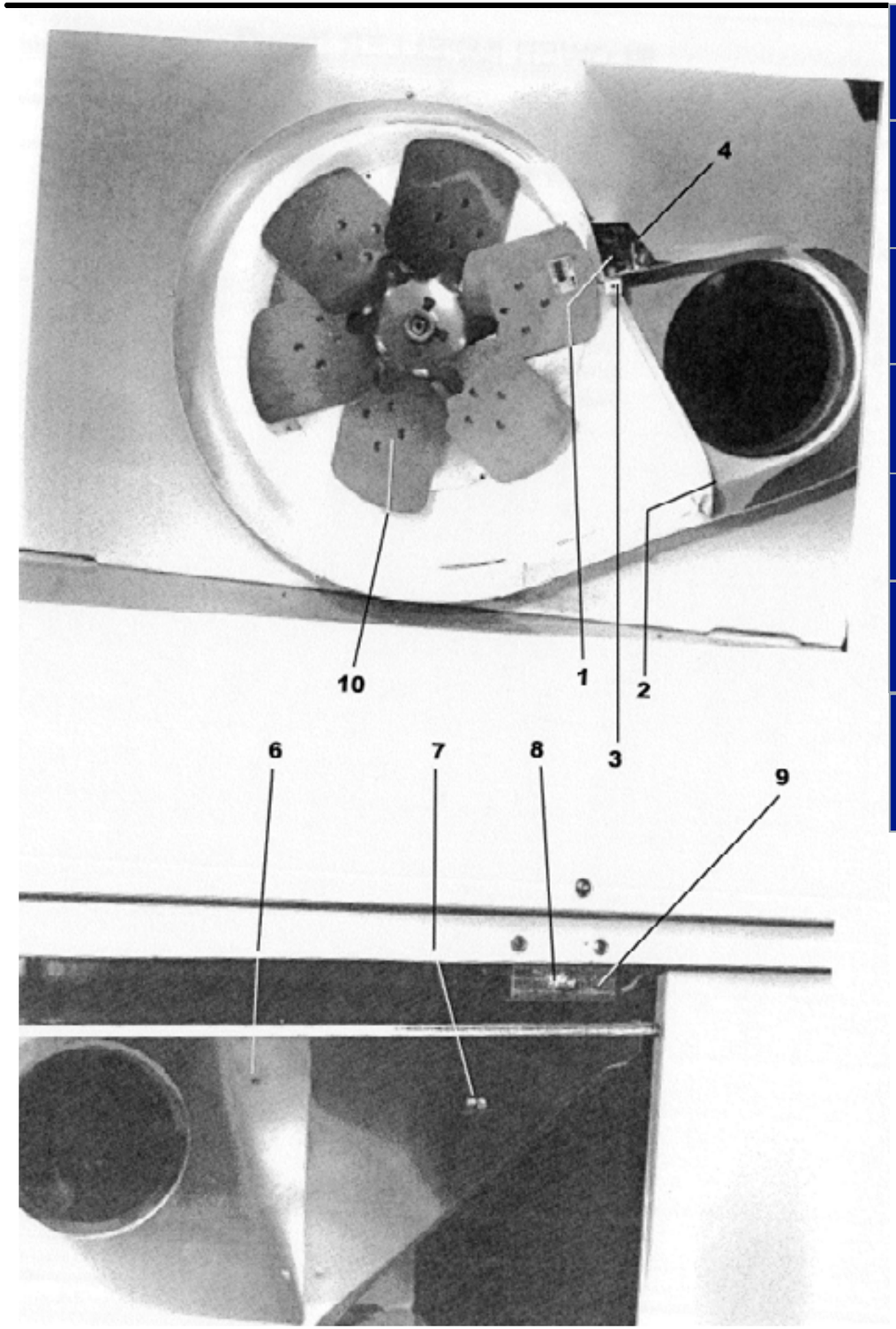
Key	Part Number	Description	Qty
1	9848-119-001	Tumbler Ass'y.	1
2	9568-010-001	Spider Ass'y	1
3	9497-226-001	Rod, Tumbler	4
4	8640-417-002	Nut	4
5	9552-013-000	Shim	4
6	8641-582-004	Washer, Spring Lock	4
7.	8641-587-001	Washer, Tumbler Rod Special	4
*	9487-234-001	Ring, Tolerance	1
8	8641-582-016	Lock Washer, Tumbler Shaft	1
9	8641-581-026	Flat Washer, Tumbler Shaft	1
10	9545-017-009	Screw, Tumbler Shaft.	1

* Not Illustrated



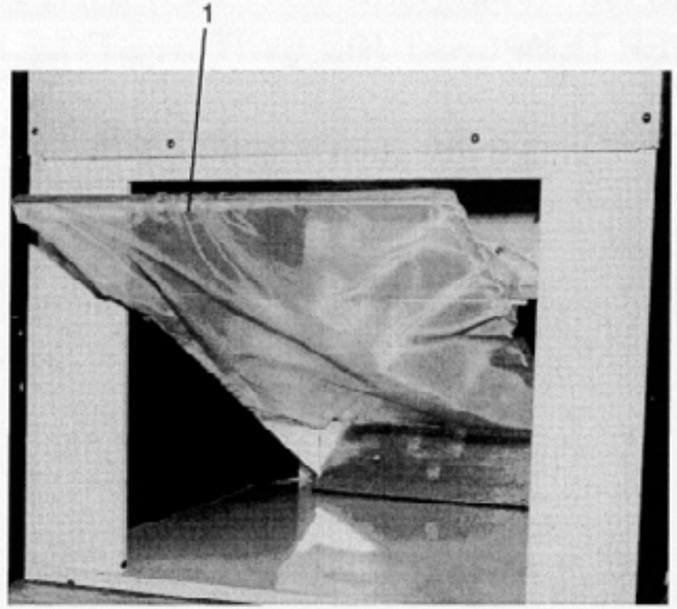
Damper Switch, Lint Hood, & Blower Impeller Group
Style No. 1 (in use since 1998)

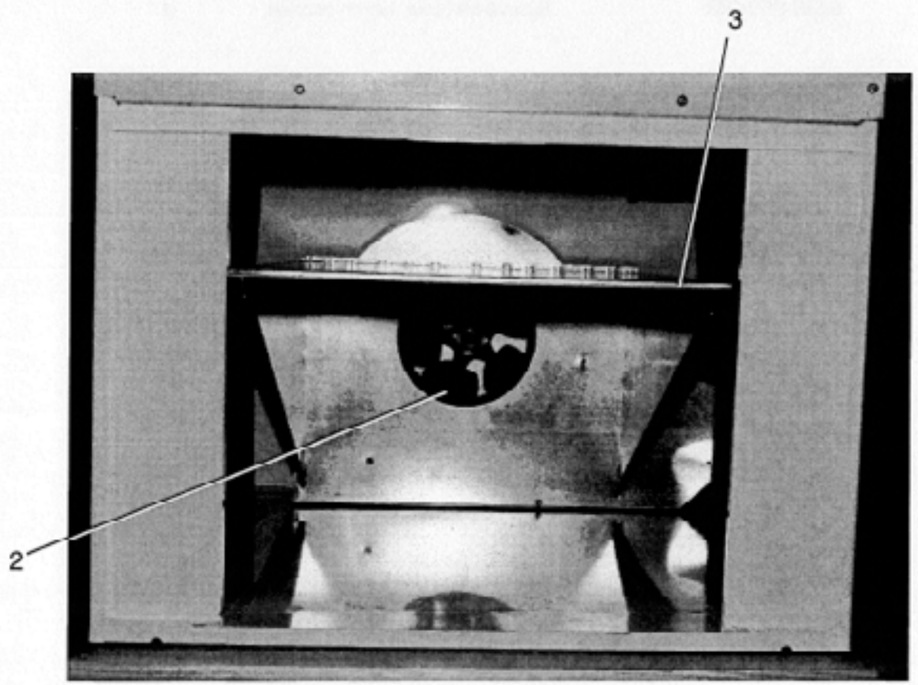
Key	Part Number	Description	Qty
1	9539-432-001	Switch, Damper	1
*	9545-044-002	Screw, Hx #6-32x1	1
*	8640-411-003	Nut, Hex #8-32	1
*	9545-044-002	Screw, Hx 6-32x1	2
*	8640-420-001	Nut, Speed Tandem	1
2	9125-001-001	Damper	1
3	9451-146-001	Pin, Damper Hinge	1
4	9074-242-002	Cover, Damper Switch	1
*	9209-037-002	Grommet.	1
5	9834-008-002	Hood Ass'y,Lint	1
6	8640-412-004	Nut, Whizlock	6
*	9822-031-001	Lint Screen 21"x36" (old style)	1
7	9576-207-006	Thermostat, Safety	1
*	9545-008-001	Screw, Hx. #10 x ¼	2
8	9539-487-001	Switch, Lower Door	1
9	9029-097-001	Bracket, Lower Door Switch	1
*	9545-008-024	Screw	2
10	9278-038-004	Impeller, w/set screws	1
*	9345-836-003	Schematic Wiring	1
*	9345-837-003	Diagram Wiring	1



Lint Hood, & Blower Impeller Group
Style No. 2 (in use since 1998)

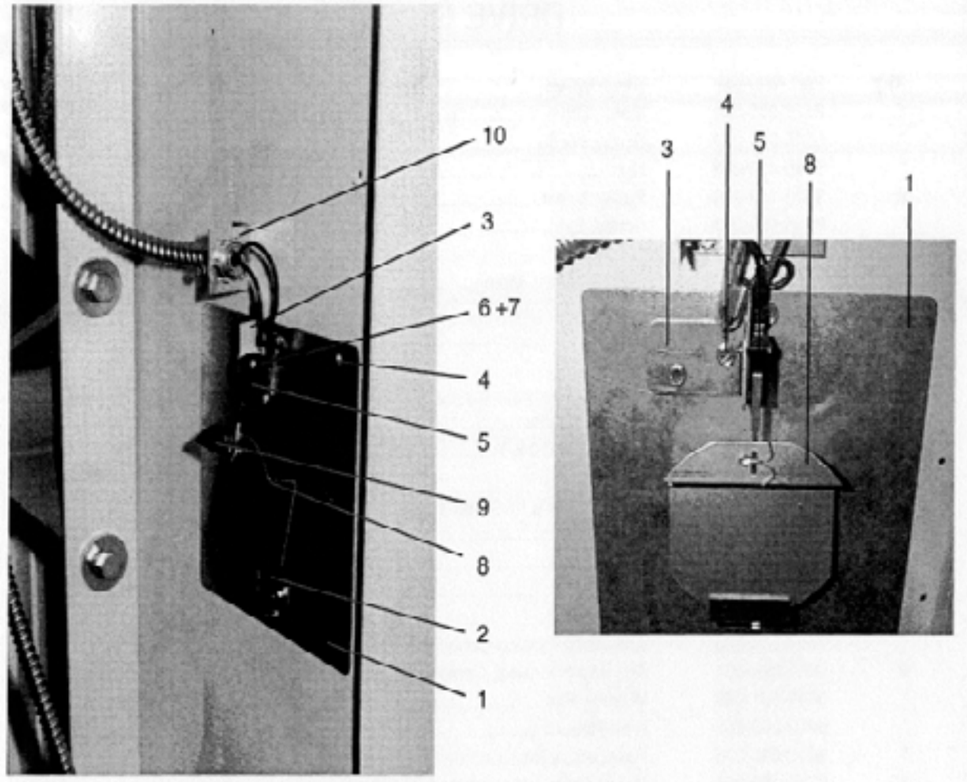
Key	Part Number	Description	Qty
1	9822-031-002	Lint Screen Ass'y 21"x34"	1
2	9278-038-004	Impeller	1
3	9834-010-001	Hood assembly Lint	1
*	9345-840-003	Schematic Wiring (55lb, Rot 25 cents)	1
*	9345-841-003	Diagram Wiring (55lb Rotary 25 cents)	1
*	9345-838-003	Schematic Wiring (55lb Computer 25 cents)	1
*	9345-839-003	Diagram Wiring (55lb Computer 25 cents)	1

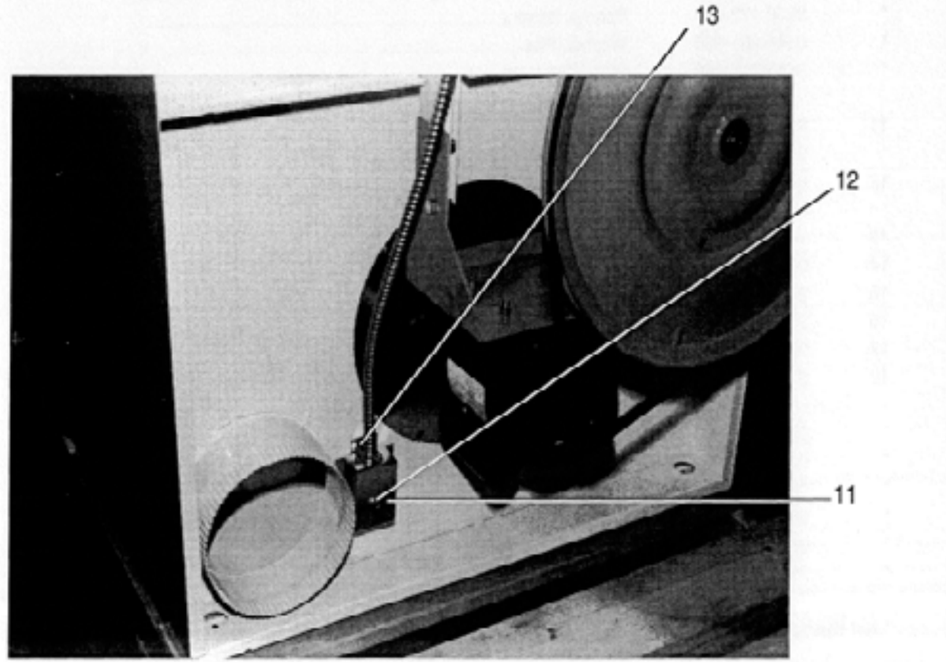




Blower Impeller and Airflow Switch Group
Overtemperature Switch Style No. 2
(in use after 1998)

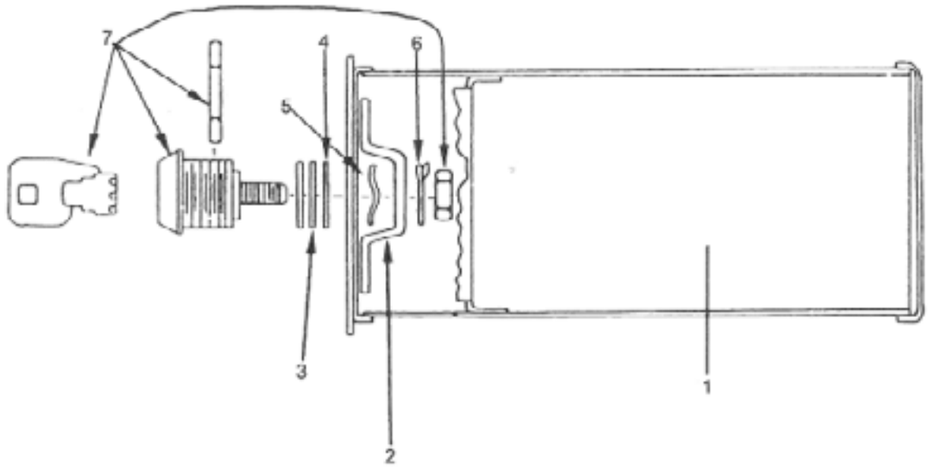
Key	Part Number	Description	Qty
1	9074-283-001	Cover Plate	1
2	9029-046-001	Actuator Stop	1
3	9029-100-001	Bracket -Switch	1
4	9545-008-001	Screw-JOB .x ¼	4
5	9539 461-009	Switch-Micro	1
6	9545 020-001	Screw 4-40 x %	2
7	8640-401-001	Nut Twin	1
8	9008-007-001	Actuator-Switch	1
9	9451-169-002	Pin Cotter	1
10	9039-575-000	Bracket Conduit	1
11	9825-057-002	Over-temp cover ass'y	1
12	9576-207-006	Thermostat Over-temp Manual Reset (Manually Resettable)	1
13	9545-008-001	Screw 108 x ¼	2
*	9486-137-001	Retainer; pushon	1
*	9535-050-003	Sleeve-Hi-Limit switch access	1





COIN BOX GROUP
Computer & Rotary Meter Only

Key	Part Number	Description	Qty
*	9732-122-001	Kit, Coin Box & Hardware (includes the following)	1
1	9807-077-007	Box Ass'y Coin	1
2	9349-033-001	Latch, Coin Box	1
3	8641-581-008	Washer, Latch Spacer(thick)	2
4	8641-581-010	Washer, Latch Spacer (thin)	4
5	8641-569-002	Washer, Wave	1
6	8641-583-001	Washer, Special Keeper	1
7	8650-012-002	Lock & Key Ass'y for Coinbox (includes key & nut)	1



WIRING GROUP
ROTARY METER

Key	Part Number	Description	Qty
	8220-001-202	Wire, Hi-Limit to Junction Box(red 41 1/2")	1
	9631-382-001	Wiring---(blue 53 1/2")	1
	9627-711-001	Wiring Harness (low voltage)	1
	9631-400-001	Wire --(white 19")	1
	9631-403-003	Wire Ass'y--high voltage--	1
	8220-001-199	Wire Ass'y--motor to junction box	1
	8220-001-200	Wire Ass'y - motor to junction box	1
	8220-001-205	Wire Ass'y--junction box to customer connection-	1
	8220-001-220	Wire Ass"y--junction box to Run relay--	1
	8502-600-001	Label Warning & Notice	1
	8502-617-001	Label MADE IN U.S.A.	1
	8502-641-002	Label Instruction ,Warning	1
	8502-645-001	Label Instructions	1
	8511-001-002	Label Quality	1
	8514-028-003	Booklet Owners	1
	9631-381-004	Wire Terminal block to meter (gray 16 1/2")	1
	9631-381-003	Wire Cycling t- stat to meter(red/white 22 1/2")	1
	9631-381-002	Wire Terminal block to Start Switch (blue 20")	

WIRING GROUP
COMPUTER

Key	Part Number	Description	Qty
	8220-001-199	Wire Motor to Junction Box	1
	8220-001-200	Wire Motor to Junction Box	1
	8220-001-205	Wire Junction Box to cust. conn.	1
	8220-001-461	Wire Wht. 58”	1
	8220-001-479	Wire Blu. 45”	1
	8220-001-480	Wire Blk. 45”	1
	8220-001-495	Wire Gry. 58”	1
	8220-001-496	Wire Blk. 58”	1
	9245-838-003	Wiring Label-Schematic	1
	9345-839-003	Wiring Label-Diagram	1
	9627-651-001	Wiring Harness Elec control	1
	9627-679-001	Wiring Harness	1
	9631-382-001	Wire Siu. 53 1/2”	1

Section 7:

Maintenance

Preventative Maintenance

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

Daily

1. Clean lint screen by unlocking and sliding out in their tracks for access. Use soft brush if necessary. Failure to do so will slow drying and increase gas usage and temperatures throughout the dryer.
2. Check lint screen for tears. Replace if necessary.

Monthly

1. Remove lint accumulation from end bells of motor.
2. Clean lint from lint screen compartment.
3. Remove lint and dirt accumulation from top of the dryer and all area above, and around the burners and burner housing. Failure to keep this portion of the dryer clean can lead to a build-up of lint creating a fire hazard.
4. Place a few drops of light oil on top and bottom pivots of the clothes door hinge.
5. Grease bearings and shaft of intermediate drive pulley.

Quarterly

1. Check belts for looseness, wear or fraying.
2. Inspect gasket of door glass for excessive wear.
3. Check tightness of all fasteners holding parts to support channel.
4. Check tightness of tumbler shaft retaining nut.
5. Remove lint accumulation from primary air ports in burners.
6. Grease pivot pins and tension arms where in contact with each other.

Semi-Annually

1. Remove and clean main burners.
2. Clean all orifices and examine for dirt and hole obstruction.
3. Remove all lint accumulation. Remove front panel, lint screen housing and remove lint accumulation.

Annually

1. Check intermediate pulley bearings for wear.
2. Check and remove any lint accumulation from exhaust system.