Home Laundry Dryers

KE and KG Models Refer to Page 6 for Model Numbers



Part No. 62208R1 June 2002

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Section 1 Safety Information

Throughout this manual and on machine decals, you will find precautionary statements ("CAUTION," "WARNING," and "DANGER") followed by specific instructions. These precautions are intended for the personal safety of the operator, user, servicer, and those maintaining the machine.

A DANGER

Danger indicates the presence of a hazard that **will** cause **severe** personal injury, death, or substantial property damage if the danger is ignored.

A WARNING

Warning indicates the presence of a hazard that **can** cause **severe** personal injury, death, or substantial property damage if the warning is ignored.

A CAUTION

Caution indicates the presence of a hazard that **will** or **can** cause **minor** personal injury or property damage if the caution is ignored.

Additional precautionary statements ("IMPORTANT" and "NOTE") are followed by specific instructions.

IMPORTANT

The word "IMPORTANT" is used to inform the reader of specific procedures where minor machine damage will occur if the procedure is not followed.

NOTE

The word "NOTE" is used to communicate installation, operation, maintenance or servicing information that is important but not hazard related.

In the interest of safety, some general precautions relating to the operation of this machine follow.



WARNING

- Failure to install, maintain and/or operate this product according to the manufacturer's instructions may result in conditions which can produce serious injury, death and/or property damage.
- Do not repair or replace any part of the product or attempt any servicing unless specifically recommended or published in this Service Manual and that you understand and have the skills to carry out.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the product is properly grounded and to reduce the risk of fire, electric shock, serious injury or death.

W006R1



To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1



WARNING

Repairs that are made to your products by unqualified persons can result in hazards due to improper assembly or adjustments subjecting you, or the inexperienced person making such repairs, to the risk of serious injury, electrical shock or death.

W007



WARNING

If you or an unqualified person perform service on your product, you must assume the responsibility for any personal injury or property damage which may result. The manufacturer will not be responsible for any injury or property damage arising from improper service and/or service procedures.

W008

NOTE: The WARNINGS and IMPORTANT INSTRUCTIONS appearing in this manual are not meant to cover all possible conditions and situations that may occur. Common sense, caution and care must be exercised when installing, maintaining or operating the dryer.

Always contact your dealer, distributor, service agent or the manufacturer about any problems or conditions you do not understand.

Locating an Authorized Servicer

Alliance Laundry Systems is not responsible for personal injury or property damage resulting from improper service. Review all service information before beginning repairs.

Warranty service must be performed by an authorized technician, using authorized factory parts. If service is required after the warranty expires, Alliance Laundry Systems also recommends contacting an authorized technician and using authorized factory parts.

Section 2 Introduction

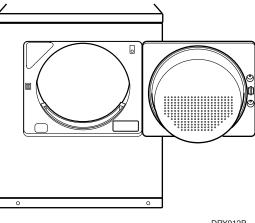
Customer Service

If literature or replacement parts are required, contact the source from whom the machine was purchased or contact Alliance Laundry Systems at (920) 748-3950 for the name and address of the nearest authorized parts distributor.

For technical assistance, call (920) 748-3121.

Nameplate Location

When calling or writing about your product, be sure to mention model and serial numbers. Model and serial numbers are located on nameplate(s) as shown.



DRY912P

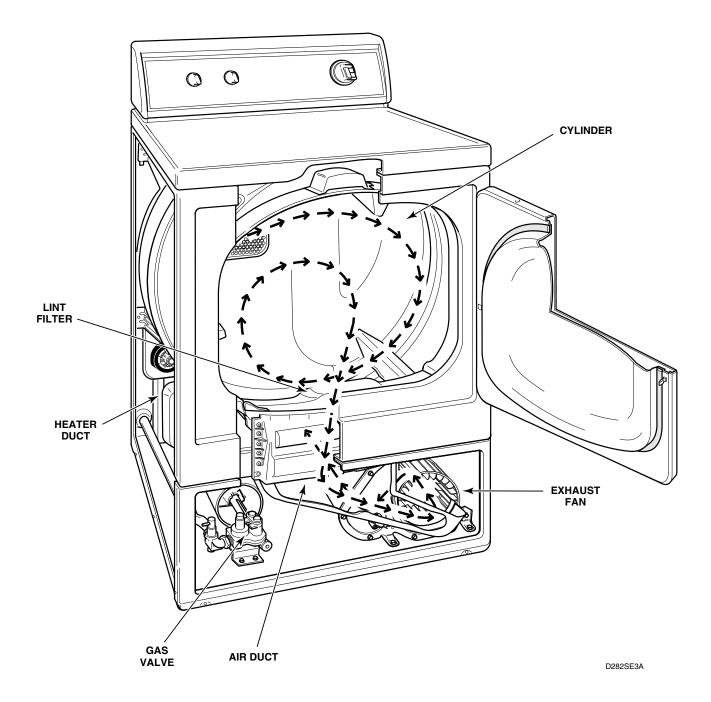
Section 2 Introduction

Model Identification

Information in this manual is applicable to these dryer.

KE5313-1702	KG5313-1709
KE5313-1709	KG5319-1109
KE5513-1702	KG5519-1102
KE5513F-1702	KG5519F-1102
KE6533-1702	KG6539-1102
KE6533F-1702	

How Your Dryer Works



The dryer uses heated air to dry loads of laundry. When the motor is started, the exhaust fan pulls room temperature air in through louvers at the rear of the dryer and over the heat source (burner flame for gas and heating element for electric). The heated air moves through the heater duct and into the cylinder, where it circulates through the wet load. The air then passes through the lint filter, air duct, and exhaust fan, where it is vented to the outdoors.

Section 3 Troubleshooting



WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

IMPORTANT: Refer to wiring diagram (located inside the dryer's control hood), for aid in testing dryer components.

1. MOTOR DOES NOT RUN

POSSIBLE CAUSE	TO CORRECT
Electrical power off, fuse blown, or power cord not plugged in.	A 240 Volt dryer has two fuses—make sure you check both fuses.
Loading door not closed or inoperative switch.	Close door.
	Test switch and replace if inoperative.
Motor overload protector has cycled.	• Wait two or three minutes for overload protector to reset. If protector cycles repeatedly, refer to <i>Paragraph 2</i> .
*Timer improperly set.	Reset timer, or try another cycle.
Inoperative motor switch.	Test switch and replace if inoperative.
*Start circuit not completed.	• Rotate start switch button, or test switch or timer and replace if inoperative.
Inoperative motor.	Test motor and replace if inoperative.
*Inoperative timer.	Test timer and replace if inoperative.
Broken, loose, or incorrect wiring.	Refer to wiring diagram.
Power cord is miswired.	Refer to wiring diagram for the correct wiring.
Motor centrifugal switch sticky or plugged with lint.	• Remove dust or lint and spray with "SLYDE" No. 131P4 to clean and lubricate.
†Inoperative electronic control	• Refer to SECTION 7 to check out the electronic control operation.

^{*} Mechanical Timer Models Only

[†] Electronic Control Models only



To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

2. MOTOR OVERLOAD PROTECTOR CYCLES REPEATEDLY

POSSIBLE CAUSE	TO CORRECT
Incorrect Voltage.	• Refer to <i>Installation Instructions</i> (supplied with dryer) for electrical requirements.
Clothes load too large.	Remove part of load. A normal washer load is a normal dryer load. Maximum load: dryer cylinder one half full of wet clothes.
Clothes cylinder is binding.	• Check cylinder for binding and "out of round" condition.
	Check front and rear bulkheads for warping.
	Check support rollers for binding.
	Check cylinder seals and glides for wear or damage.
Inoperative motor overload protector.	Replace drive motor.

3. MOTOR RUNS BUT CYLINDER DOES NOT TURN

POSSIBLE CAUSE	TO CORRECT
Motor drive pulley loose.	Tighten setscrew.
Cylinder belt is upside down or twisted.	Install belt properly.
Broken cylinder belt.	Replace belt.
Clothes cylinder is binding.	Check cylinder for binding and "out of round" condition.
	Check front and rear bulkheads for warping.
	Check cylinder rollers for binding.
	Check cylinder seals and glides for wear or damage.
Broken or disconnected idler lever spring.	Replace or reconnect spring.

4. MOTOR DOES NOT STOP

POSSIBLE CAUSE	TO CORRECT
Incorrect wiring.	Refer to wiring diagram.
Motor centrifugal switch sticky or plugged with lint.	• Remove dust or lint and spray with "SLYDE," Part No. 131P4, to clean and lubricate.
Inoperative door switch.	Test switch and replace if inoperative.
*Inoperative timer.	Test timer and replace if inoperative.
†Inoperative electronic control	Refer to SECTION 7 to check out the electronic control operation.

^{*} Mechanical Timer Models Only

[†] Electronic Control Models only



To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

5. HEATER ASSEMBLY DOES NOT HEAT OR BURNER DOES NOT IGNITE

POSSIBLE CAUSE	TO CORRECT
Improper or inadequate exhaust system.	• Refer to <i>Installation Instructions</i> (supplied with dryer) for exhaust requirements.
Blown house fuse or tripped circuit breaker.	• Check fuses or circuit breakers. A 240 Volt dryer has two fuses—make sure both fuses are good.
*Timer improperly set. (Set in a cool-down period, or no heat cycle.)	Reset timer. Try another cycle.
Inoperative limit thermostat.	Test thermostat and replace if inoperative.
Electric Models: Inoperative heater assembly.	• Replace heater assembly Replace heater assembly if cold Ohms does not read 10.4 ± .30 Ohms.
Gas Models: Insufficient gas supply.	Check gas shut-off valve in dryer and main gas line valve. Open partially closed gas shut-off valve or correct low gas pressure.
Inoperative drive motor switch.	Test switch and replace if inoperative.
Gas Models: Inoperative gas valve coils.	• Test coils and replace if inoperative. Refer to "To Test Gas Valve Coils" on page 25.
Gas Models: Inoperative igniter.	• Test igniter and replace if inoperative. Refer to " <i>To Test Igniter</i> " on page 25.
Gas Models: Inoperative sensor.	• Test sensor and replace if inoperative. Refer to " <i>To Test Sensor</i> " on page 26.
*Inoperative high or low thermostat.	Test thermostat and replace if inoperative.
*Inoperative timer.	Test timer and replace if inoperative.
†Inoperative electronic control	• Refer to SECTION 7 to check out the electronic control operation.
†Read-out on electronic control indicates "SH."	Thermistor is shorted, replace thermistor
†Read-out on electronic control indicates "OP."	Thermistor is open, replace thermistor.
Broken, loose or incorrect wiring.	Refer to wiring diagram.

^{*} Mechanical Timer Models Only

[†] Electronic Control Models only



To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

6. IGNITER DOES NOT GLOW (GAS SUPPLY SUFFICIENT) - GAS MODELS

POSSIBLE CAUSE	TO CORRECT
*No power to power leads on valve.	• Check timer, selector switch, thermostats, motor switch and wiring.
Flame sensor failed with contacts open.	Replace flame sensor.
Igniter broken or open.	Replace igniter.
†Inoperative electronic control	• Refer to SECTION 7 to check out the electronic control operation.

^{*} Mechanical Timer Models Only

7. BURNER IGNITES AND GOES OUT REPEATEDLY - GAS MODELS

POSSIBLE CAUSE	TO CORRECT
Improper or inadequate exhaust system. Weather hood flapper restricted.	• Refer to <i>Installation Instructions</i> (supplied with dryer) for exhaust requirements.
Burner heat not holding flame sensor contacts open.	Replace flame sensor or correct gas supply problem.
Insufficient gas supply.	Check gas supply and pressure.
Cracked igniter.	Replace igniter and bracket.
Inoperative gas valve coils.	• Check and replace appropriate coil. Refer to "To Test Gas Valve Coils" on page 25.

[†] Electronic Control Models only



To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

8. IGNITER GLOWS BUT BURNER DOES NOT IGNITE - GAS MODELS

POSSIBLE CAUSE	TO CORRECT
Flame sensor failed in closed position.	Replace flame sensor.
Open secondary coil or holding and booster coil	• Replace gas valve (in-warranty) or replace coils (out-of-warranty). Refer to the parts manual for part numbers of coils.
Insufficient gas supply.	Check gas supply and pressure.
Igniter and bracket installed improperly on burner tube assembly.	Loosen screw and properly position igniter and bracket on burner tube assembly.
Flame sensor installed improperly on burner housing.	Loosen screw and properly position the flame sensor on the burner housing.

9. HEATER ASSEMBLY OR BURNER SHUTS OFF PREMATURELY

POSSIBLE CAUSE	TO CORRECT
Improper or inadequate exhaust system. Weather hood flapper restricted.	• Refer to <i>Installation Instructions</i> (supplied with dryer) for exhaust requirements.
Gas Models: Insufficient gas supply.	Check gas shut-off valve in dryer and main gas line valve. Open partially closed gas shut-off valve, or correct low pressure.
Gas Models: Improperly adjusted burner flame.	Adjust burner flame. Refer to Paragraph 10.
Cycling off on limit thermostat.	• Momentarily connect a jumper wire across thermostat terminals. If heater assembly heats or burner ignites when jumper wire is connected, refer to <i>Paragraph 58</i> .
Gas Models: Sensor contact opening prematurely. Burner flame improperly adjusted.	• Replace sensor or adjust burner flame. Refer to "To Test Sensor" on page 26.
*Inoperative cycling thermostat.	Test thermostat and replace if inoperative.
*Inoperative timer.	Test timer and replace if inoperative.
Broken, loose or incorrect wiring.	Refer to wiring diagram.
†Inoperative electronic control	• Refer to SECTION 7 to check out the electronic control operation.

^{*} Mechanical Timer Models Only

[†] Electronic Control Models only



To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

10. HEATER ASSEMBLY OR BURNER REPEATEDLY CYCLES OFF ON LIMIT THERMOSTAT

POSSIBLE CAUSE	TO CORRECT	
External exhaust system longer than recommended.	• Refer to <i>Installation Instructions</i> (supplied with dryer) for exhaust system requirements.	
Clogged lint filter.	Remove and clean lint filter.	
Lint in internal dryer ductwork.	Disassemble dryer and clean ductwork.	
Lint in external exhaust system.	Disassemble and clean exhaust system.	
Hinged damper on exhaust system weather hood not free to open.	Free hinged damper or replace weather hood	
*Limit thermostat cycling at too low a temperature.	• Replace thermostat. Refer to Paragraph 41.	
Air leak around loading door. (Door not sealing due to damaged seal or inoperative catch.)	Replace seal or catch.	
†Inoperative thermistor	Check thermistor and replace if inoperative.	
Air leak at blower seal.	Check and replace seal if necessary.	

^{*} Mechanical Timer Models Only

11. HEATER ASSEMBLY OR BURNER DOES NOT SHUT OFF

POSSIBLE CAUSE	TO CORRECT	
Inoperative motor switch.	• Test switch and replace if inoperative.	
Motor does not stop.	• Refer to Paragraph 4.	
Heater assembly shorted.	Remove heater assembly and check for short.	
Incorrect wiring.	Refer to wiring diagram.	

[†] Electronic Control Models only



To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

12. CLOTHES DO NOT DRY

POSSIBLE CAUSE	TO CORRECT	
Heater assembly does not heat or burner does not ignite.	• Refer to Paragraph 5.	
Too much water in articles being dried.	Remove excess water.	
Clothes load too large.	Remove part of load. A normal washer load is a normal dryer load. Maximum load: dryer cylinder one half full c wet clothes.	
Excessive lint on lint filter.	Clean lint filter.	
Load too small.	Add one or two bath towels to load.	
Automatic cycle.	Adjust to more dry setting.	
Timer set on FLUFF or inoperative.	• Reset timer, or test and replace the timer if inoperative.	
Improper or inadequate exhaust system.	• Refer to <i>Installation Instructions</i> (supplied with dryer) for exhaust requirements.	
Heater assembly or burner shuts off prematurely.	• Refer to Paragraph 9.	
Gas Models: Gas line pressure too high or too low.	• If Natural Gas line pressure to dryer exceeds 8 inch water column pressure, or is lower than 4 inch water column, ask Gas Company to correct.	

13. TIMER DOES NOT ADVANCE IN AUTOMATIC CYCLE

POSSIBLE CAUSE	TO CORRECT
Inoperative cycling thermostat.	Test thermostat and replace if inoperative.
Heater assembly does not heat or burner does not ignite.	• Refer to Paragraph 5.
Heater assembly or burner cycles off prematurely.	• Refer to Paragraph 9.
*Drying large load.	Timer will not advance until the load is almost dry.
Broken, loose or incorrect wiring.	Refer to wiring diagram.

^{*} Mechanical Timer Models Only

14. CLOTHES ARE TOO HOT WHEN REMOVED FROM DRYER

POSSIBLE CAUSE	TO CORRECT	
Clothes are removed from dryer before cycle has completed.	Allow dryer to complete the cycle, through the COOL- DOWN to the OFF position.	
Inoperative cycling thermostat. Inoperative thermostat heater in the DELICATE setting.	• Test cycling thermostat or thermostat heater and repl if inoperative.	
Inoperative timer (not allowing COOL-DOWN).	Test timer and replace if inoperative.	

[†] Electronic Control Models only

Section 4 Grounding



WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

15. MOTOR MOUNTING BRACKET TO MOTOR Refer to Figure 1

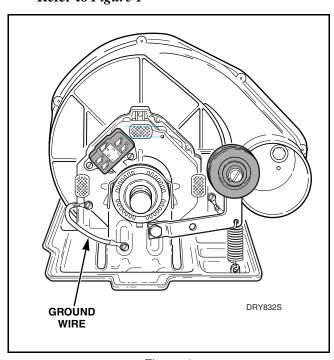


Figure 1

16. MOTOR MOUNTING BRACKET TO EXHAUST FAN COVER PLATE (GAS AND ELECTRIC MODELS THROUGH SERIAL NO. S6181364XA) Refer to Figure 2

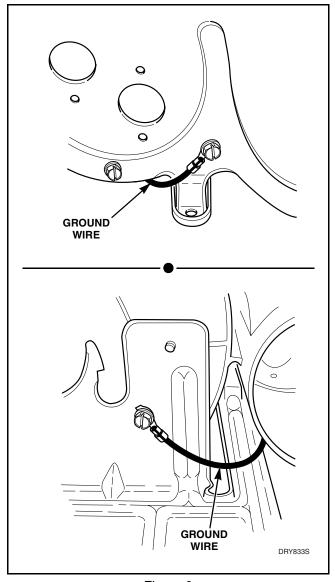


Figure 2



To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

17. TERMINAL BLOCK BRACKET TO CONTROL HOUSING (ELECTRIC MODELS ONLY) Refer to Figure 3

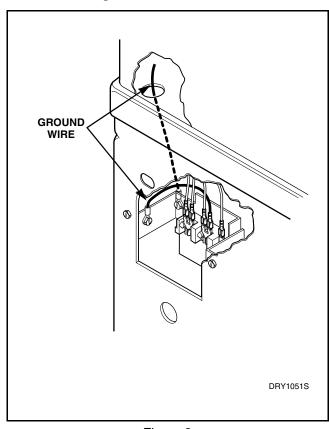


Figure 3



To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

18. POWER CORD TO TERMINAL BLOCK BRACKET AND FROM TERMINAL BLOCK BRACKET TO CONTROL HOUSING. WALL RECEPTACLE POLARITY CHECK (GAS MODELS ONLY) Refer to Figure 4

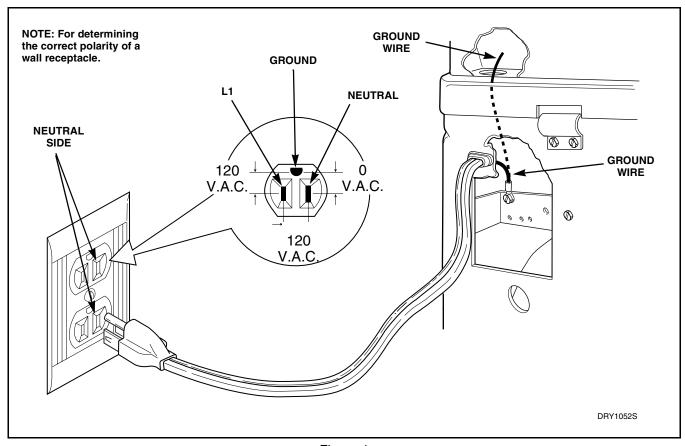


Figure 4



To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

19. FROM TERMINAL BLOCK BRACKET TO TIMER MOUNTING BRACKET TO DRYER CABINET TOP. TIMER MOUNTING BRACKET TO GRAPHICS PANEL (TIMER MODELS ONLY)

Refer to Figure 5

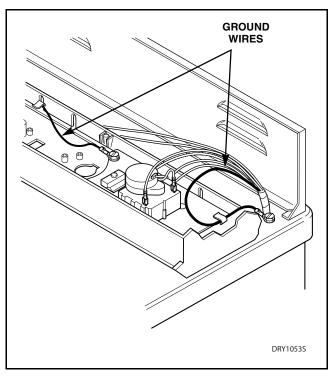


Figure 5

20. FROM TERMINAL BLOCK BRACKET TO DRYER CABINET TOP TO ELECTRONIC CONTROL TO GRAPHICS PANEL (ELECTRONIC CONTROL MODELS ONLY)
Refer to Figure 6

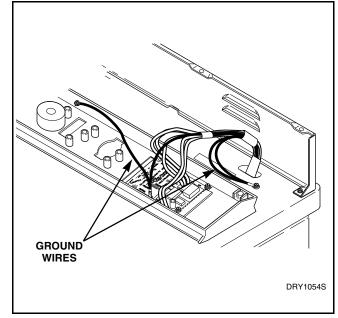


Figure 6

Section 5 Service Procedures



WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

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- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

To aid in the servicing of the dryer, refer to the parts manual for the assembly sequence.

IMPORTANT: When reference to direction (right or left) is made in this manual, it is from the operator's position facing the front of the dryer.

21. CONTROL HOOD ASSEMBLY

- a. Remove six screws (three top and three bottom) holding the hood assembly to the control hood rear panel and cabinet top.
- b. Disconnect the wires from the component parts and carefully remove the components from the control hood assembly.

NOTE: Refer to the wiring diagram when rewiring the components parts.

TO REMOVE CONTROL HOOD END CAPS

a. Remove end caps by carefully prying caps out of slots in ends of hood.

22. ELECTRONIC CONTROL

Refer to parts manual for control removal.

IMPORTANT: When removing or installing an electronic control, handle the control by the edges, or the control could become damaged.

NOTE: Refer to the wiring diagram when rewiring the electronic control.

23. TIMER

Refer to parts manual for timer removal.

NOTE: Refer to the wiring diagram when rewiring the timer.

To Test Timer Contact Points

- 1. Remove six screws (three top and three bottom) holding the hood assembly to the control hood rear panel and cabinet top.
- 2. Disconnect wires from timer.

NOTE: Refer to appropriate wiring diagram when rewiring timer.

3. Set test meter to read ohms and put meter probes to terminals indicated in the following chart:

Circuit to be Tested	Timer No. 61402
Timer Motor	L2 and T
Signal Control	B and P
Motor	L1 and M
High Temperature Heat	L2 and H2
Low Temperature Heat	L2 and H1

4. Starting with timer knob indicator in OFF position at top of timer, slowly turn timer knob CLOCKWISE until indicator is again pointing toward OFF position at top of timer. Meter should register "zero" reading when circuit being tested is completed by timer.

NOTE: Refer to wiring diagram for Timer Cycle Chart showing when circuit is made.



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- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

24. TEMPERATURE SELECTOR SWITCH

Refer to parts manual for switch removal.

NOTE: Refer to the wiring diagram when rewiring the switch.

25. SIGNAL CONTROL

Refer to parts manual for signal control removal.

NOTE: Refer to the wiring diagram when rewiring the signal control.

26. START SWITCH

Refer to parts manual for start switch removal.

NOTE: Refer to the wiring diagram when rewiring the switch.

To Test Start Switch

- 1. Remove six screws (three top and three bottom) holding the hood assembly to the control hood rear panel and cabinet top.
- 2. Set voltmeter on Ohms scale and "zero" at appropriate scale.
- 3. Unplug dryer from electrical supply and disconnect wires from switch terminals.
- 4. Plate meter probes on switch terminals. You should see an "infinite" reading on the meter.
- 5. With probes attached to switch, proceed as follows:
 - a. Rotate the switch knob to the right (clockwise).
 - b. You should read "0" zero Ohms.

27. GRAPHICS PANEL

Refer to parts manual for panel removal.

- a. Remove six screws (three top and three bottom) holding the hood assembly to the control hood rear panel and cabinet top.
- b. Disconnect the wires from the component parts and carefully remove the components from the control hood assembly.

NOTE: Refer to the wiring diagram when rewiring the component parts.

- c. Bend the tabs on the graphics panel (located inside of control hood) straight out toward rear of hood.
- d. Carefully remove the graphics panel off the front of the control hood.

28. LINT FILTER

a. Open loading door and lift filter out of air duct.

29. LOADING DOOR

- a. Remove four screws holding hinges to door.
- b. Remove screws holding handle to door and separate panels.

IMPORTANT: Do not over-tighten screws when reinstalling door handle and avoid scratching inner door panel.

30. DOOR STRIKER

- a. Remove two screws holding handle to door.
- b. Spread door panels just far enough to depress tabs on top and bottom of striker and push out of inner panel.

31. DOOR SEAL

a. Open loading door and remove seal from inner door panel.

NOTE: When replacing seal, be sure seal is not stretched or distorted. Use a heat resistant adhesive (such as Krazy Glue®) to adhere door seal to inner door panel.



To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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32. FRONT PANEL AND PANEL SEAL

- a. Remove two screws from bottom of front panel.
- b. Swing bottom of panel away from dryer to disengage hold-down clips and guide lugs from cabinet top.
- c. Disconnect wires from door switch.

NOTE: Refer to the wiring diagram when rewiring the switch.

d. Remove front panel seal from flange around inside of door opening.

NOTE: Be sure seal is properly positioned when installing on front panel.

33. DOOR SWITCH

- a. Remove two screws from the bottom edge of the front panel.
- b. Swing the bottom of the panel away from the dryer to disengage hold-down clips and guide lugs from cabinet top.
- c. Disconnect wires from door switch.

NOTE: Refer to the wiring diagram when rewiring the switch.

d. Depress tabs on top and bottom of switch and push out of front panel.

To Test Door Switch

1. Disconnect wires from door switch.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

- 2. Set meter to read Ohms and apply meter probes on switch terminals with door closed. You should get "zero" reading.
- 3. Open the door. Meter should read "infinite."

34. STRIKER CATCH

- a. Remove two screws from the bottom edge of the front panel.
- b. Swing the bottom of the panel away from the dryer to disengage hold-down clips and guide lugs from cabinet top.
- c. Disconnect wires from door switch.

NOTE: Refer to the wiring diagram when rewiring the switch.

d. Depress tabs on top and bottom of switch and push out of front panel.

35. DOOR HINGE

- a. Open loading door and remove four screws holding door assembly to hinges.
- b. Remove two screws from the bottom edge of the front panel.
- c. Swing the bottom of the panel away from the dryer to disengage hold-down clips and guide lugs from cabinet top.
- d. Disconnect wires from door switch.

NOTE: Refer to the wiring diagram when rewiring the switch.

e. Remove four screws and locknuts holding hinges to front panel.

36. HOLD-DOWN CLIPS AND GUIDE LUGS

- a. Remove two screws from the bottom edge of the front panel.
- b. Swing the bottom of the panel away from the dryer to disengage hold-down clips and guide lugs from cabinet top.
- c. Disconnect wires from door switch.

NOTE: Refer to the wiring diagram when rewiring the switch.

- d. Compress hold-down clips and remove from slot in top flange of front panel.
- e. Remove four screws holding four guide lugs to front panel.



To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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37. BURNER SYSTEM OPERATION

a. Components

- (1) This burner has four basic components:
 - (a.) A silicon carbide (glow bar) igniter
 - (b.) Burner tube
 - (c.) Sensor
 - (d.) Two-stage gas valve consisting of a split-coil valve and a secondary coil valve.
- (2) The split-coil valve is opened when the dryer thermostat calls for heat, while the secondary valve does not open until the igniter has attained ignition temperature.

b. Pre-Ignition Circuits

- (1) When the dryer thermostat calls for heat, circuits are completed through the holding coil, sensor, booster coil and igniter.
- (2) Both coils must be energized to open splitcoil valve.
- (3) Once opened, the holding coil can hold the valve open without assistance from the booster coil.
- (4) The current shunted around the secondary coil by the sensor, passes through the igniter causing it to get hot.

c. Burn Circuit

- (1) In approximately 30 seconds, the igniter attains ignition temperature and the sensor (located on burner housing beside the igniter) contacts will open.
- (2) A circuit is then completed through the secondary valve coil, opening the valve and allowing gas to flow.
- (3) Ignition is made and the heat from the burner flame causes the sensor contacts to remain open.

38. IGNITION SYSTEM FEATURES

a. Momentary Power Interruption

- (1) Upon resumption of power, sensor contacts will still be open, permitting secondary valve to open.
- (2) However, with the secondary coil in the circuit, the booster coil cannot draw enough current to open the split-coil valve.
- (3) When sensor contacts do reclose, the secondary valve will close, and the burner system will be in the normal pre-ignition circuit.

b. Flame Failure

- (1) In case of flame failure, the sensor contacts will reclose in about 45 seconds.
- (2) This will close the secondary valve and the burner system will be in the normal preignition circuit.

c. Ignition Failure

- (1) If flame is not established as sensor contacts open, secondary valve will remain open until sensor contacts reclose.
- (2) Sensor will continue to recycle the igniter and secondary valve (about once per minute) until ignition is made or dryer is turned off.

39. BURNER SYSTEM COMPONENTS – GAS MODELS

a. Complete Gas Valve Assembly

- (1) Remove two screws from the bottom edge of the front panel.
- (2) Swing the bottom of the panel away from the dryer to disengage hold-down clips and guide lugs from cabinet top.
- (3) Disconnect wires from door switch.

NOTE: Refer to the wiring diagram when rewiring the switch.

(4) Close gas shut-off valve, disconnect igniter wires at disconnect blocks, sensor wires from flame sensor terminals, and wires from gas valve coils at the quick disconnect blocks.



To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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- (5) Disconnect gas shut-off valve from gas valve at the union nut.
- (6) Remove three screws holding valve and mounting bracket to base.
- (7) Lift gas valve and mounting bracket from base.

NOTE: The holding and booster coils, and the secondary coil can be replaced individually. Refer to the parts manual for the correct parts numbers.

To Test Gas Valve Coils

(This procedure can be performed on a workbench if gas valve, igniter, burner tube and burner housing have been removed from dryer.)

- Remove access door by applying thumb pressure to right edge of door. When door opens, move door to the left to disengage from door supports.
- 2. Remove disconnect blocks from gas valve coils.
- 3. Set test meter to read ohms and put meter probes to terminals as follows:
 - a. **Holding Coil**: Terminals 1 and 2 Meter should read 1365 25 Ohms.
 - b. **Booster Coil**: Terminals 1 and 3 should read 560–25 Ohms.
 - c. **Secondary Coil**: Terminals 4 and 5 Meter should read 1220 50 Ohms.

NOTE: If meter registers any other readings than that listed above, the respective coil should be replaced.

b. Burner Tube, Igniter and Bracket

NOTE: Burner tube and igniter can be removed without removing gas valve and bracket.

- (1) Remove one screw from right side of burner housing holding burner tube in place. Refer to *Figure 4*.
- (2) Gently move burner tube toward rear of dryer to disengage tab from slot on left side of burner housing. Refer to *Figure 5*.

- (3) Carefully rotate burner tube and igniter **counterclockwise** so tab is at 8 o'clock position.
- (4) Move air shutter end of burner tube slightly to right and CAREFULLY remove burner tube and igniter assembly out through front of dryer.

IMPORTANT: Use care in removal so as not to damage or break igniter as it is very fragile.

IMPORTANT: Handle igniter by grasping the white ceramic portions only. DO NOT handle silicon carbide portion of igniter with hands or allow any oil, grease or other foreign material to contaminate it. Oil, grease and other impurities or hairline cracks will cause the igniter to burn out.

To Test Igniter

(This procedure can be performed on a workbench if gas valve, igniter, burner tube and burner housing have been removed from dryer.)

- 1. Remove access door by applying thumb pressure to right edge of door. When door opens, move door to the left to disengage from door supports. Then close gas shut-off valve.
- 2. Disconnect igniter wires at disconnect block.
- 3. Set test meter to read ohms and put meter probes on terminals of igniter wires.
- 4. Meter should register a reading of at least 40 ohms. If meter registers less than 40 ohms, replace the igniter.

IMPORTANT: Always examine all wires, terminals and connectors to be sure wiring is proper before replacing any components.



To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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To Test Electrical Circuit to Ignition System

- 1. Remove access door by applying thumb pressure to right edge of door. When door opens, move door to the left to disengage from door supports. Then close gas shut-off valve.
- 2. Remove valve wire harness disconnect block from the Holding and Booster Coil.
- 3. Plug dryer power cord into wall receptacle, start the dryer in a heat setting. (Refer to the Operating Instructions supplied with the dryer.)
- 4. Set test meter to read AC voltage and apply meter probes into terminals on the dryer harness that would correspond to terminals "1" and "2" on the coil. Meter should register line voltage in all Fabric settings, except FLUFF which should read "zero VAC.
- 5. If meter does not read line voltage in step "4", check motor switch, thermostats, fabric switch, accumulator or timer.

c. Sensor

- (1) Remove two screws from the bottom edge of the front panel.
- (2) Swing the bottom of the panel away from the dryer to disengage hold-down clips and guide lugs from cabinet top.
- (3) Disconnect wires from door switch.

NOTE: Refer to the wiring diagram when rewiring the switch.

- (4) Remove wires from sensor terminals.
- (5) Remove screw holding sensor to burner housing.

To Test Sensor

(This procedure can be performed on a workbench if gas valve, igniter, burner tube and burner housing have been removed from dryer.)

- 1. Remove access door by applying thumb pressure to right edge of door. When door opens, move door to the left to disengage from door supports. Then close gas shut-off valve.
- 2. Remove wires from sensor terminals.
- 3. Set test meter to read ohms and put meter probes on sensor terminals. Meter should read "zero" ohms. If meter registers an ohm reading of any amount, replace sensor.

40. BURNER HOUSING AND HEAT SHROUD

- a. Remove two screws from the bottom edge of the front panel.
- b. Swing the bottom of the panel away from the dryer to disengage hold-down clips and guide lugs from cabinet top.
- c. Disconnect wires from door switch.

NOTE: Refer to the wiring diagram when rewiring the switch.

- d. Disconnect igniter wires are disconnect blocks, sensor wires from flame sensor terminals, and wires from gas valve coils at the quick disconnect blocks.
- e. Remove screw from right side of burner housing, holding burner tube in place.
- f. Gently move burner tube toward rear of dryer to disengage tab from slot on left side of burner housing.
- g. Carefully rotate burner tube and igniter counterclockwise to tab is at 8 o'clock position.
- h. Move air shutter end of burner tube slightly to right and CAREFULLY remove burner tube and igniter assembly out through front of dryer.

NOTE: The igniter is very fragile. Be careful not to damage it during removal.



To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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- Remove screw holding burner housing to heat shroud
- j. Remove screw holding front of burner housing to dryer base and remove housing out through front of dryer.
- k. Remove two screws holding shroud to heater box and take shroud out through front of dryer.

41. LIMIT THERMOSTAT

- a. Remove two screws from the bottom edge of the front panel.
- b. Swing the bottom of the panel away from the dryer to disengage hold-down clips and guide lugs from cabinet top.
- c. Disconnect wires from door switch.

NOTE: Refer to the wiring diagram when rewiring the switch.

d. Disconnect wires and remove screws attaching limit thermostat to burner housing or element plate.

42. THERMISTOR, HIGH OR LOW THERMOSTATS

- a. Remove two screws from the bottom edge of the front panel.
- b. Swing the bottom of the panel away from the dryer to disengage hold-down clips and guide lugs from cabinet top.
- c. Disconnect wires from door switch.

NOTE: Refer to the wiring diagram when rewiring the switch.

d. Disconnect wires and remove thermostat attaching screws.

43. HEATER ASSEMBLY

- a. Remove two screws from the bottom edge of the front panel.
- b. Swing the bottom of the panel away from the dryer to disengage hold-down clips and guide lugs from cabinet top.
- c. Disconnect wires from door switch.

NOTE: Refer to the wiring diagram when rewiring the switch.

- d. Remove two screws holding heater element to heater box and pull heater assembly down and away from heater box.
- e. Disconnect wires from heater assembly.
- f. Remove screws holding thermostat and thermal fuse to the heater assembly.

NOTE: When reassembling, be sure all wire connectors are tight on thermal fuse and thermostat.

44. FRONT AIR DUCT

- a. Remove two screws from the bottom edge of the front panel.
- b. Swing the bottom of the panel away from the dryer to disengage hold-down clips and guide lugs from cabinet top.
- c. Disconnect wires from door switch.

NOTE: Refer to the wiring diagram when rewiring the switch.

- d. Remove lint filter out of bulkhead.
- e. Remove four screws holding duct to front bulkhead and remove air duct.

NOTE: When reassembling, be sure felt seal on exhaust fan cover makes air tight seal on flange of duct.

45. EXHAUST DUCT

- a. Disconnect electric power, vent (and gas line if necessary) and move dryer to gain access to rear of dryer.
- b. Remove screw holding bracket on exhaust duct to rear of cabinet.
- c. Pull duct out through rear of cabinet.



To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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46. MOTOR AND EXHAUST ASSEMBLY

- a. Remove two screws from the bottom edge of the front panel.
- b. Swing the bottom of the panel away from the dryer to disengage hold-down clips and guide lugs from cabinet top.
- c. Disconnect wires from door switch.

NOTE: Refer to the wiring diagram when rewiring the switch.

- d. Remove lint filter.
- e. Remove screws holding air duct to front bulkhead and remove air duct.

NOTE: When reassembling, be sure felt seal on exhaust fan cover makes air tight seal on flange of air duct.

 Disconnect wires from thermostats or thermistor.

NOTE: Refer to wiring diagram when rewiring thermostats or thermistor.

- g. Remove cylinder belt from idler and motor pulleys.
- h. Remove two screws holding motor mounting bracket to dryer base. Then pull complete assembly out through front of dryer.

IMPORTANT: When reinstalling motor and exhaust assembly, be sure wire harness on right side is clipped to motor mounting bracket and is routed along dryer base (between motor mounting bracket and right side of cabinet). Tab on rear of motor mounting bracket must be slid into slot in dryer base.

i. Motor pulley and idler pulley assemblies

(1) Refer to parts manual for motor and idler pulley removal.

j. Impeller and housing

(1) Remove screw holding ground wire to exhaust fan cover, if present. Refer to Figure 2.

NOTE: Ground wire must be routed as shown in the Grounding Section of this manual.

- (2) Remove screws holding cover to housing.
- (3) Hold motor pulley securely and unthread impeller from motor shaft. (right hand thread). Use a 7/8 inch, 6 point socket to aid in the removal of the impeller.
- (4) Remove three screws (and washers if present) holding the exhaust housing to the motor mounting bracket.

k. Motor

(1) Disconnect wires from motor switch.

NOTE: Refer to wiring diagram when rewiring motor switch.

- (2) Disconnect ground wire from motor.
- (3) Pry two motor clamps off with screwdriver. Then lift motor out of mounting bracket.

NOTE: When replacing motor, motor switch location should be at 10 o'clock with the positioning tab on the motor engaged with the notch in the motor bracket. Refer to the wiring diagram when rewiring motor switch leads.



To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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To Test Drive Motor

- 1. Remove motor and exhaust assembly.
- 2. Disconnect wires from motor switch.

NOTE: Refer to wiring diagram when rewiring motor switch.

- 3. Put test meter probes on terminals 4 and 5. Meter should read approximately one on Ohm scale.
- 4. Put test meter probes on terminal 4 and motor frame. Meter should register "no reading" or infinite.
- 5. Put test meter probes on terminal 5 and motor frame. Meter should register "no reading" or infinite.
- 6. Put test meter probes on terminals 4 and 6. Meter should register "no reading" or infinite. Manually flex the centrifugal switch in motor and meter should read approximately two on Ohm scale.
- 7. Put test meter probes on terminals 1 and 2. Meter should register "no reading." Manually flex the centrifugal switch in motor and meter should read "zero" Ohms.

47. CABINET TOP

- a. Remove two screws from the bottom edge of the front panel.
- b. Swing the bottom of the panel away from the dryer to disengage hold-down clips and guide lugs from cabinet top.
- c. Disconnect wires from door switch.

NOTE: Refer to the wiring diagram when rewiring the switch.

d. Remove six screws (three on top and three at lower front) holding the hood assembly to the control hood rear panel and cabinet top.

e. Disconnect wire harness from all components and ground wire in control hood, and screw holding ground wire to top. Push harness down through opening in cabinet top. (Replace control hood or set aside to prevent damage.)

NOTE: Refer to wiring diagram when rewiring components.

- f. Remove two cabinet top hold down screws.
- g. Lift cabinet top to a vertical position by hinging it on the rear hold-down brackets.

NOTE: Cabinet top may be raised and hinged on the rear hold-down brackets or supported against the wall behind the unit while servicing the dryer.

- h. Carefully withdraw wire harness through holes in cabinet top and lift the entire cabinet top assembly off the hold-down brackets.
- i. Remove control hood rear panel when replacing cabinet top.

48. FRONT BULKHEAD ASSEMBLY

- a. Remove two screws from the bottom edge of the front panel.
- b. Swing the bottom of the panel away from the dryer to disengage hold-down clips and guide lugs from cabinet top.
- c. Disconnect wires from door switch.

NOTE: Refer to the wiring diagram when rewiring the switch.

- d. Disengage belt from motor and idler pulleys.
- e. Remove four screws holding bulkhead to front flange of cabinet and lift complete bulkhead assembly out of slots in cabinet.

IMPORTANT: During reinstallation of front bulkhead, be sure that the air duct is properly positioned with the flange inside of the felt seal on the exhaust fan cover.

f. Cylinder Glides

(1) Remove two screws holding glides to each glide bracket.



To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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g. Front Cylinder Seal

- (1) Pull front cylinder seal from under flanged edge of bulkhead.
- (2) Carefully unhook spring from seal strap.

IMPORTANT: The seal can be adhered to the bulkhead using 3M-1300 Sealant (obtain locally). This is accomplished by applying a bead of 3M-1300 Sealant around the entire flanged area where the felt seal contacts the bulkhead. Strap must be installed with cupped surface down against the seal to hold the felt seal more firmly in place on the bulkhead. Seal must be held securely under strap and folded under flanged edge around entire bulkhead.

49. CYLINDER BELT

- a. Remove two screws from the bottom edge of the front panel.
- b. Swing the bottom of the panel away from the dryer to disengage hold-down clips and guide lugs from cabinet top.
- c. Disconnect wires from door switch.

NOTE: Refer to the wiring diagram when rewiring the switch.

- d. Disengage belt from motor and idler pulleys.
- e. Remove four screws holding bulkhead to front flange of cabinet and lift complete bulkhead assembly out of slots in cabinet.

IMPORTANT: During reinstallation of front bulkhead, be sure that the air duct is properly positioned with the flange inside of the felt seal on the exhaust fan cover.

f. While supporting cylinder, carefully remove belt off cylinder.

NOTE: When installing belt, be sure belt is properly installed on motor and idler pulleys. Belt must be positioned around cylinder between center and rear baffle screws with the ribbed surface against the cylinder. After installing belt, rotate cylinder manually to check that belt is properly aligned.

50. CYLINDER ASSEMBLY

- a. Remove two screws from the bottom edge of the front panel.
- b. Swing the bottom of the panel away from the dryer to disengage hold-down clips and guide lugs from cabinet top.
- c. Disconnect wires from door switch.

NOTE: Refer to the wiring diagram when rewiring the switch.

d. Disengage belt from motor and idler pulleys.

NOTE: When reinstalling belt, be sure belt is properly installed on motor and idler pulleys. Belt must be positioned around cylinder between center and rear baffle screws with the ribbed surface against the cylinder. After installing belt, rotate cylinder manually to check that belt is properly aligned.

e. Remove four screws holding bulkhead to front flange of cabinet and lift complete bulkhead assembly out of slots in cabinet.

IMPORTANT: During reinstallation of front bulkhead, be sure that the air duct is properly positioned with the flange inside of the felt seal on the exhaust fan cover.

- f. Loosen two cabinet top hold-down screws.
- g. Manually rotate cylinder until one of the baffles is at the 6:00 position and carefully remove cylinder out through front of dryer.

NOTE: The cylinder must be installed with the arrow pointing toward the front of the dryer.

h. Baffles

(1) Remove screws holding baffles to cylinder.

IMPORTANT: The elongated baffle must be installed to cover the cylinder seam weld.



To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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51. REAR SEAL

- a. Remove two screws from the bottom edge of the front panel.
- b. Swing the bottom of the panel away from the dryer to disengage hold-down clips and guide lugs from cabinet top.
- c. Disconnect wires from door switch.

NOTE: Refer to the wiring diagram when rewiring the switch.

d. Remove two cabinet top hold-down screws.

NOTE: Cabinet top may be raised and hinged on the rear hold-down brackets, or supported against wall behind the dryer.

e. Remove four screws holding bulkhead to front flange of cabinet and lift complete bulkhead assembly out of slots in cabinet.

IMPORTANT: During reinstallation of front bulkhead, be sure that the air duct is properly positioned with the flange inside of the felt seal on the exhaust fan cover.

f. Disengage belt from motor and idler pulleys.

NOTE: When re-installing belt, be sure belt is properly installed on motor and idler pulleys. Belt must be positioned around cylinder between center and rear baffle screws with the ribbed surface against the cylinder. After installing belt, rotate cylinder manually to check that belt is properly aligned.

g. Manually rotate cylinder until one of the baffles is at the 6:00 position and carefully remove cylinder out through front of dryer.

NOTE: The cylinder must be installed with the arrow pointing toward the front of the dryer.

- h. Pull rear cylinder seal from under flanged edge of bulkhead.
- i. Carefully unhook spring from the seal strap.

IMPORTANT: The seal can be adhered to the bulkhead using 3M-1300 Sealant (obtain locally). This is accomplished by applying a bead of 3M-1300 Sealant around the entire flanged area where the felt seal contacts the bulkhead. Strap must be installed with cupped surface down against the seal to hold the felt seal more firmly in place on the bulkhead. Seal must be held securely under strap and folded under flanged edge around entire bulkhead.

52. CYLINDER ROLLERS

- a. Remove two screws from the bottom edge of the front panel.
- b. Swing the bottom of the panel away from the dryer to disengage hold-down clips and guide lugs from cabinet top.
- c. Disconnect wires from door switch.

NOTE: Refer to the wiring diagram when rewiring the switch.

- d. Disengage belt from motor and idler pulleys.
- e. Remove four screws holding bulkhead to front flange of cabinet and lift complete bulkhead assembly out of slots in cabinet.

IMPORTANT: During reinstallation of front bulkhead, be sure that the air duct is properly positioned with the flange inside of the felt seal on the exhaust fan cover.

- f. Pull cylinder forward, allowing rear of cylinder to drop down, exposing rollers.
- g. Refer to parts manual for removal of roller from bulkhead.

53. REAR BULKHEAD AND HEATER BOX ASSEMBLIES

- a. Remove two screws from the bottom edge of the front panel.
- b. Swing the bottom of the panel away from the dryer to disengage hold-down clips and guide lugs from cabinet top.
- c. Disconnect wires from door switch.



To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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NOTE: Refer to the wiring diagram when rewiring the switch.

d. Disengage belt from motor and idler pulleys.

NOTE: When reinstalling belt, be sure belt is properly installed on motor and idler pulleys. Belt must be positioned around cylinder between center and rear baffle screws with the ribbed surface against the cylinder. After installing belt, rotate cylinder manually to check that belt is properly aligned.

e. Remove four screws holding bulkhead to front flange of cabinet and lift complete bulkhead assembly out of slots in cabinet.

IMPORTANT: During reinstallation of front bulkhead, be sure that the air duct is properly positioned with the flange inside of the felt seal on the exhaust fan cover.

- f. Loosen two cabinet top hold-down screws.
- g. Manually rotate cylinder until one of the baffles is at the 6:00 position and carefully remove cylinder out through front of dryer.

NOTE: The cylinder must be installed with the arrow pointing toward the front of the dryer.

h. Gas Models

- (1) Disconnect igniter wires at disconnect blocks, sensor wires from flange sensor terminals, and wires from gas valve coils at the quick disconnect block.
- (2) Remove screw from right side of burner housing, holding burner tube in place.
- (3) Gently move burner tube toward rear of dryer to disengage tab from slot on left side of burner housing.
- (4) Carefully rotate burner tube and igniter counterclockwise so tab is at 8 o'clock position.
- (5) Move air shutter end of burner tube slightly to right and CAREFULLY remove burner tube and igniter assembly out through front of dryer.

IMPORTANT: The igniter is very fragile. Be careful not to damage it during removal.

- (6) Remove screw holding burner housing to heat shroud.
- (7) Remove screw holding front of burner housing to dryer base and remove housing out through front of dryer.
- (8) Remove two screws holding shroud to heater box and take shroud out through front of dryer.

i. Electric Models

- (1) Remove two screws holding element and plate to heater box, then pull element down and away from heater box.
- j. Remove screw holding heat shield to dryer base.
- k. Remove one screw holding rear bulkhead to terminal block bracket. While supporting bulkhead, remove the four screws holding rear bulkhead to mounting brackets, then lift complete assembly out of dryer.

1. To Remove Heat Shield from Heater Box

- (1) Remove two screws holding heat shield to heater box.
- m. To Remove Heater Box from Rear Bulkhead
 - (1) Refer to parts manual for removal.

n. Rear Mounting Brackets

(1) Remove five screws holding rear mounting brackets to rear of dryer cabinet.

54. TERMINAL BLOCK OR POWER CORD

a. Terminal Block - Electric Models

- (1) Remove access plate on rear of cabinet.
- (2) Remove all wires from terminal block. (Refer to wiring diagram when rewiring terminal block.)
- (3) Remove screw(s) holding terminal block to bracket.

NOTE: Do not let terminal block insulation drop when removing the block. Insulation must be in place when reinstalling block.



To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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b. Power Cord - Gas Models

- (1) Remove access plate on rear of cabinet.
- (2) Remove strain relief.
- (3) Remove screw holding power cord ground wire to terminal block bracket.

NOTE: Reconnect ground wire into same hole in bracket when reinstalling power cord.

(4) Disconnect molex plug and remove strain relief and power cord from rear of dryer cabinet.

55. CABINET AND BASE

- a. Remove two screws from the bottom edge of the front panel.
- b. Swing the bottom of the panel away from the dryer to disengage hold-down clips and guide lugs from cabinet top.
- c. Disconnect wires from door switch.

NOTE: Refer to the wiring diagram when rewiring the switch.

- d. Remove six screws (three on top and three at lower front) holding the hood assembly to the control hood rear panel and cabinet top.
- e. Disconnect wire harness from all components and ground wire in control hood, and screw holding ground wire to top. Push harness down through opening in cabinet top. (Replace control hood or set aside to prevent damage.)

NOTE: Refer to wiring diagram when rewiring components.

- f. Remove two cabinet top hold down screws.
- g. Lift cabinet top to a vertical position by hinging it on the rear hold-down brackets.

NOTE: Cabinet top may be raised and hinged on the rear hold-down brackets or supported against the wall behind the unit while servicing the dryer.

- h. Carefully withdraw wire harness through hole in cabinet top and lift the entire cabinet top assembly off the hold-down brackets and set to the side.
- i. Disengage belt from motor and idler pulleys.

NOTE: When reinstalling belt, be sure belt is properly installed on motor and idler pulleys. Belt must be positioned around cylinder between center and rear baffle screws with the ribbed surface against the cylinder. After installing belt, rotate cylinder manually to check that belt is properly aligned.

j. Remove four screws holding bulkhead to front flange of cabinet and lift complete bulkhead assembly out of slots in cabinet.

IMPORTANT: During reinstallation of front bulkhead, be sure that the air duct is properly positioned with the flange inside of the felt seal on the exhaust fan cover.

k. Manually rotate cylinder until one of the baffles is at the 6:00 position and carefully remove cylinder out through front of dryer.

NOTE: The cylinder must be installed with the arrow pointing toward the front of the dryer.

1. Gas Models

- (1) Disconnect igniter wires at disconnect blocks, sensor wires from flange sensor terminals, and wires from gas valve coils at the quick disconnect block.
- (2) Remove screw from right side of burner housing, holding burner tube in place.
- (3) Gently move burner tube toward rear of dryer to disengage tab from slot on left side of burner housing.
- (4) Carefully rotate burner tube and igniter counterclockwise so tab is at 8 o'clock position.
- (5) Move air shutter end of burner tube slightly to right and CAREFULLY remove burner tube and igniter assembly out through front of dryer.



To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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IMPORTANT: The igniter is very fragile. Be careful not to damage it during removal.

- (6) Remove screw holding burner housing to heat shroud.
- (7) Remove screw holding front of burner housing to dryer base and remove housing out through front of dryer.
- (8) Remove two screws holding shroud to heater box and take shroud out through front of dryer.

m. Electric Models

- (1) Remove two screws holding element and plate to heater box, then pull element down and away from heater box.
- n. Remove screw holding heat shield to dryer base.
- Remove one screw holding rear bulkhead to terminal block bracket. While supporting bulkhead, remove the four screws holding rear bulkhead to mounting brackets, then lift complete assembly out of dryer.
- p. Remove screw holding bracket on exhaust duct to rear of dryer cabinet and pull duct out through rear of cabinet.
- q. Remove two screws from each rear cabinet top hold-down bracket.
- r. Remove screw holding access plate and remove plate.
- s. Remove two screws holding terminal block bracket to cabinet.
- t. Remove wire harness clips.
- u. Remove guide lugs and screws.
- v. Remove two screws from front edge at each side of cabinet. Then remove remaining screws from around bottom of cabinet and lift cabinet off base.

56. BASE

- a. Remove two screws from the bottom edge of the front panel.
- b. Swing the bottom of the panel away from the dryer to disengage hold-down clips and guide lugs from cabinet top.
- c. Disconnect wires from door switch.

NOTE: Refer to the wiring diagram when rewiring the switch.

d. Gas Models

- (1) Disconnect igniter wires at disconnect blocks, sensor wires from flame sensor terminals, and wires from gas valve coils at the quick disconnect blocks.
- (2) Close main gas shut-off valve and gas shut-off valve inside of dryer.
- (3) Disconnect gas line to dryer.
- (4) Remove three screws holding gas valve bracket to base and remove valve with lead-in pipe attached.
- (5) Remove screw from right side of burner housing, holding burner tube in place.
- (6) Gently move burner tube toward rear of dryer to disengage tab from slot on left side of burner housing.
- (7) Carefully rotate burner tube and igniter counterclockwise so tab is at 8 o'clock position and CAREFULLY remove burner tube and igniter assembly out through front of dryer.

IMPORTANT: The igniter is very fragile. Be careful not to damage it during removal.

- (8) Remove screw holding front of burner housing to dryer base.
- (9) Remove four screws holding shroud to heater box and remove shroud and burner housing out through front of dryer.

e. Electric Models

- (1) Remove two screws holding element and plate to heater box, then pull element down and away from heater box.
- (2) Disconnect wire harness from limit thermostat and heating element.
- f. Remove screw holding heat shield to dryer base.
- g. Remove lint filter.
- h. Remove screws holding air duct to front bulkhead and remove air duct.



To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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NOTE: When reassembling, be sure felt seal on exhaust fan cover makes air tight seal on flange of air duct.

i. Disconnect wires from thermostats.

NOTE: Refer to wiring diagram when rewiring thermostats.

- j. Remove cylinder belt from idler and motor pulleys.
- k. Remove two screws holding motor mounting bracket to dryer base. Then pull complete assembly out through front of dryer.
- 1. Disconnect wires from motor switch and remove harness clip from motor bracket. then, set motor and exhaust assembly off to the side.
- m. Remove screw holding bracket on exhaust duct to rear of cabinet and pull duct out through rear of cabinet.

IMPORTANT: When reinstalling motor and exhaust assembly, be sure wire harness on right side is clipped to motor mounting bracket and is routed along dryer base (between motor mounting bracket and right side of cabinet). Tab on rear of motor mounting bracket must be slid into slot in dryer base.

- n. Remove two screws from front edge at each side of cabinet. Then remove remaining screws from around bottom of cabinet and lift cabinet off base.
- o. Remove leveling legs and locknuts from base and reinstall on new base.

Section 6 Adjustments



WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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57. LEVELING LEGS

NOTE: Dryer should be installed on a solid and level floor. DO NOT install the dryer on a weak or spongy floor.

- a. Loosen locknuts and adjust the legs until dryer is level.
- Keep dryer as close to floor as possible. All four legs must rest firmly on the floor so weight of dryer is evenly distributed. Dryer MUST NOT rock.
- c. After dryer has been leveled, tighten locknuts securely against bottom of dryer base.

NOTE: If these locknuts are not tight, the dryer will not stay level during operation.

IMPORTANT: DO NOT move dryer at any time unless locknuts are securely tightened. DO NOT slide dryer across floor once the leveling legs have been extended as legs and base could become damaged.

58. BURNER FLAME (GAS MODELS)

- a. Close loading door, start the dryer in a heat setting (refer to the Operating Instructions supplied with the dryer); dryer will start, igniter will glow red and main burner will ignited.
- b. Allow dryer to operate for approximately five minutes, then open access door and loosen air shutter lockscrew.
- c. Turn air shutter to the right or left to obtain a soft, uniform blue flame. (A lazy, orange tipped flame indicates lack of air. A harsh, roaring, very blue flame indicates too much air.)
- d. After proper flame is obtained, tighten air shutter lockscrew securely.
- e. Be sure and observe at least two complete ignition and burn cycles before reinstalling the access door.
- f. Reinstall the access door.



WARNING

For personal safety, access door must be in place during normal operation.

Section 7 Service Procedures Unique to Electronic Control Model Dryers



WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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IMPORTANT: These procedures are intended to be used as an aid in diagnosing potential problems with the electronic control. Refer to Section 3 for diagnosing problems with components other than the electronic control. Refer to *Figure 7* for terminal numbers, connections and color coding.

59. DIAGNOSTIC CYCLE

a. A diagnostic cycle is built into the electronic control to detect internal problems on the printed circuit board of the control.

IMPORTANT: The diagnostic cycle is not intended to diagnose any components built into the control (i.e. relays, transformer, capacitors, etc.).

b. The diagnostic cycle is used in conjunction with a self-diagnostic routine chart located on the wiring diagram sticker inside of the control hood. To begin the diagnostic cycle, follow the flow chart in *Table 1*.

NOTE: If the symptom or problem corresponds to one of the symptoms detailed on the following pages, proceed to that flow chart. (The diagnostic cycle chart check does not have to be made.)

c. Self-Diagnostic Routine

Entry: Follow the sequence given below.

- (1) Make sure dryer loading door is closed.
- (2) Start in the idle mode (all LED's off).
- (3) Press the SIGNAL and GO pads simultaneously.
- (4) If unable to start routine, check door switch.

Exit: Do any of the following.

- (1) Press any pad.
- (2) Open dryer loading door.
- (3) Unplug the dryer.



To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

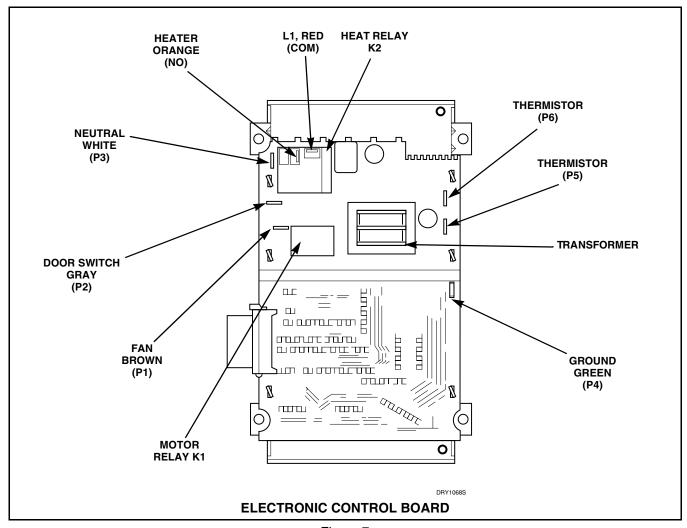


Figure 7



To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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LED Display	Illuminated LED	Motor Relay	Heat Relay	Signal Volume
99	None (All Off)	On	Off	Off
88	Wrinkle Free Status	Off	Off	Off
77	Cool Down	Off	Off	Off
66	Drying	Off	Off	Off
55	Clean Filter	Off	Off	Off
44	Memory Save	Off	Off	Off
33	Damp	Off	Off	Off
22	Normal	Off	Off	Off
11	Extra Dry	Off	Off	Off
00	Very Dry	Off	Off	Off
99	None (All Off)	Off	Off	Softest
88	None (All Off)	Off	Off	Medium
77	None (All Off)	Off	Off	Loudest
66	Signal	Off	Off	Off
55	Wrinkle-Free Select	Off	Off	Off
44	No Heat	Off	Off	Off
33	Knits	Off	Off	Off
22	Delicates	Off	Off	Off
11	Perm Press	Off	Off	Off
00	Regular	Off	Off	Off
99	None (All Off)	Off	On	Off
88	None (All Off)	On	On	Off

Diagnostic Routine Table 1

NOTE

- 1. This test routine will only light in the LED's pertaining to the hardware model selected.
- 2. When the last step in the table is finished, the routine sequence will repeat.
- 3. Each output is on for two seconds.

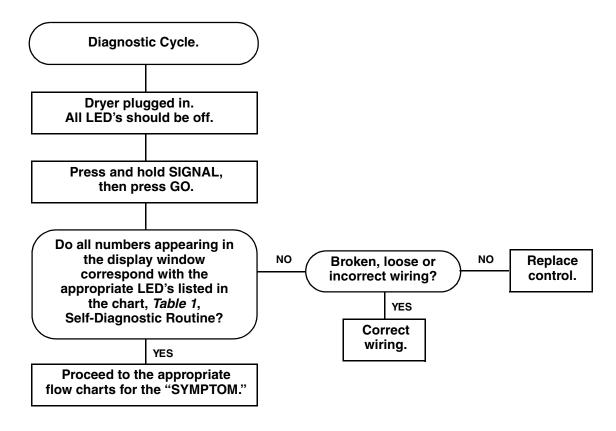


To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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60. SYMPTOM: FAILURE SYMPTOM



NOTE: The DIAGNOSTIC cycle follows the Diagnostic Routine located in the control hood. All numbers should match with the correct LED's. Refer to *Table 1*.



To reduce the risk of electric shock, fire, explosion, serious injury or death:

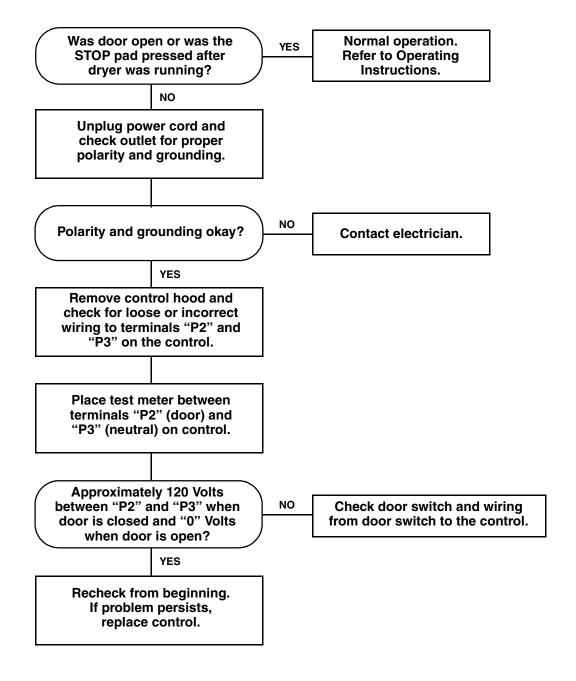
- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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Troubleshooting

61. SYMPTOM: FLASHING DISPLAY

NOTE: Refer to Figure 7 to aid in this Troubleshooting section.



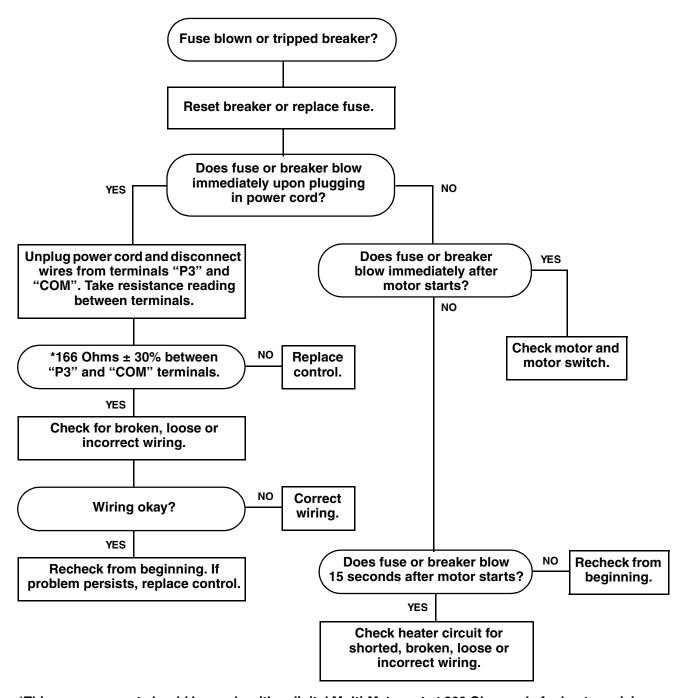


To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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62. SYMPTOM: BLOWN FUSE OR TRIPPED CIRCUIT BREAKER



^{*}This measurement should be made with a digital Multi-Meter set at 200 Ohm scale for best precision.

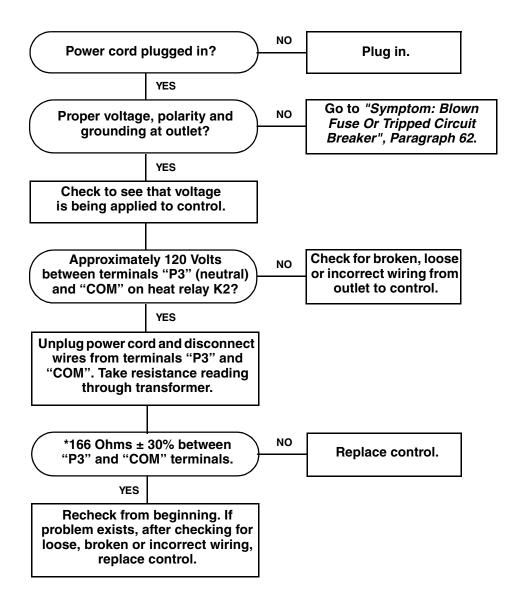


To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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63. SYMPTOM: CONTROL WILL NOT WAKE UP (No LED'S Light) AFTER ON/SELECT PAD IS PRESSED



^{*}This measurement should be made with a digital Multi-Meter set at 200 Ohm scale for best precision.

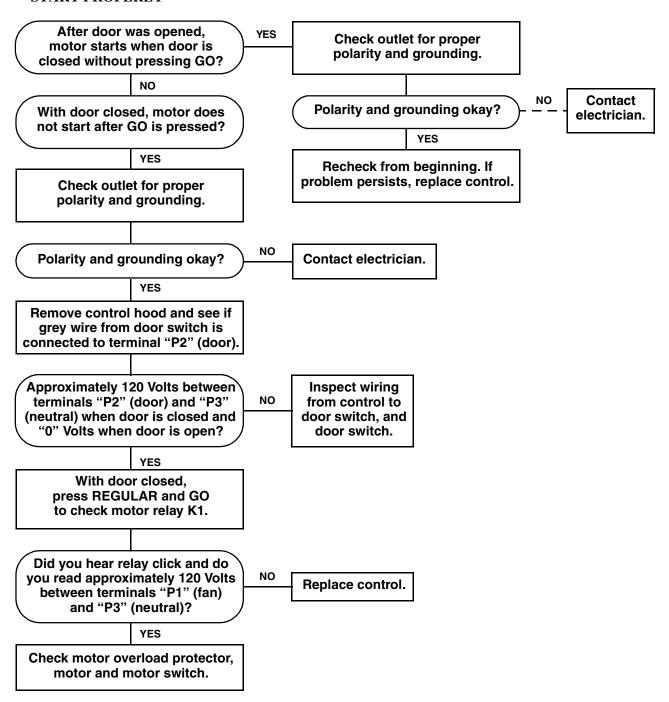


To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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64. SYMPTOM: CONTROL WAKES UP (When ON/SELECT Pad is Pressed) BUT MOTOR DOES NOT START PROPERLY



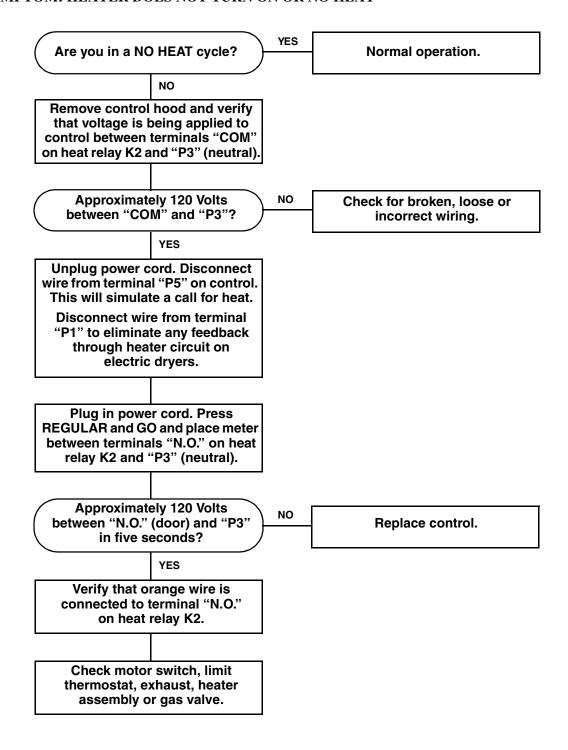


To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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65. SYMPTOM: HEATER DOES NOT TURN ON OR NO HEAT



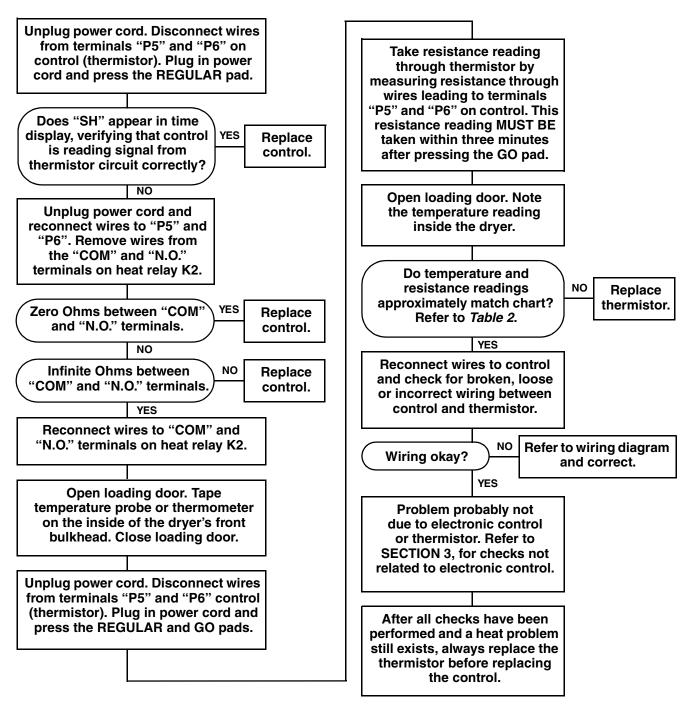


To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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66. SYMPTOM: IMPROPER HEAT OR DRYING TIMES



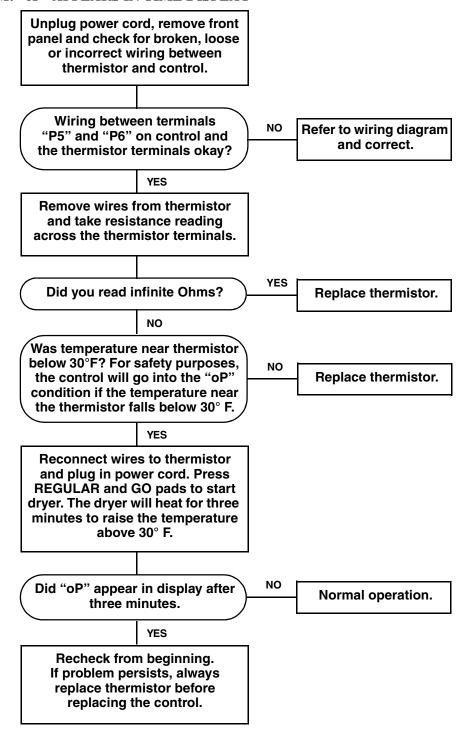


To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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67. SYMPTOM: "oP" APPEARS IN TIME DISPLAY



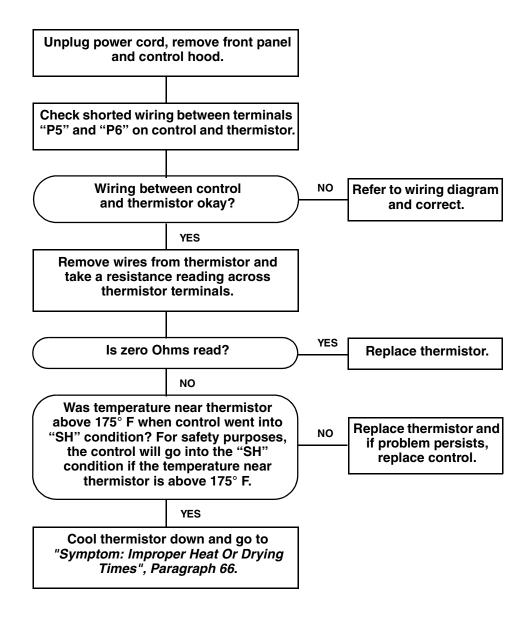


To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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68. SYMPTOM: "SH" APPEARS IN TIME DISPLAY





To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

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Thermistor Chart						
Temp. °F	Resistance Ohms	Temp. °F	Resistance Ohms	Temp. °F	Resistance Ohms	
-20	826000	55	87200	125	16900	
-15	697000	60	76600	130	15200	
-10	590500	65	67350	135	13800	
- 5	501500	70	59400	140	12400	
0	427000	75	52500	145	11300	
5	364800	77	50000	150	10200	
10	312500	80	46500	155	9300	
15	268400	85	41300	160	8400	
20	231200	90	36700	165	7700	
25	199600	95	32700	170	7000	
30	172800	100	29100	175	6400	
35	150000	150	26100	180	5900	
40	130500	110	23300	185	5400	
45	113800	115	20900	190	4900	
50	99500	120	18800	195	4500	

Table 2

NOTE: As temperature decreases, resistance increases. As temperature increases, resistance decreases.

69. CONTROL REPLACEMENT

When a problem with the electronic control is detected during the diagnostic cycle, or while making the electrical tests we have discussed, the control is replaced as a complete unit. Due to the sensitivity of the electronic control, careful handling is required. As a precautionary measure, we recommend the use of a grounded wrist strap when handling the electronic controls. The wrist strap, cord and alligator clip are designed to carry away any electrostatic charge from your body and to direct the charge to an available ground. By using this static protection device, potential electrostatic discharge problems associated with the handling of the electronic control will be minimized. Always handle the electronic control by the metal edges. If a wrist strap is not available, touch the dryer while it is plugged in before handling the control to dissipate any charge.

To replace the control, first unplug the dryer. Remove all of the wires connected to the control and take out the four screws securing the control to the control hood. When removing wires from the control, hold down on the board near the appropriate terminal, and disconnect the wires using a pliers. Do not pull on wires.

The new control is supplied in a special anti-static wrapping, and protected by anti-static foam. While holding the metal edges, remove the control from the foam and the wrapping. Lift the inoperative control off the mounting bracket and place it on the anti-static wrapping. Before positioning the new control in the control hood, peel off the protective plastic coating from the front side of the control, then fasten the control down with the four screws. Following the wiring diagram, reconnect the wires to the new control, then replace the control hood.

It is important to take care when handling the original control. It must be carefully placed in the anti-static wrapping and the anti-static foam which was removed from the new control. A copy of the replacement report, must be completely filled out and returned with the control. Warranty credit will not be issued if the control is not wrapped properly.

Section 7 Service Procedures Unique to Electronic Control Model Dryers

Electronic Control Board Replacement Report

Installation Date:	Date Failed:		
Model No.	Serial No.:		
	Service Company Identification No.:		
1. What was the customer's complaint?			
Mark the cause of the complaint in the approp Washer Control Failure	oriate box below: <u>Dryer Control Failure</u>		
☐ Failure in Diagnostic Cycle	☐ Failure in Diagnostic Cycle		
Transformer: ☐ Resistance not in 60 – 112 Ohm range bet P4 and P1?	Transformer: tween ☐ Resistance not in 116 – 216 Ohm range between P3 and "Com"?		
Hot Water Relay K4: ☐ 120 Volts not found between P7 and P1 in fill?	Motor Relay K1: n hot □ 120 Volts not found between P1 and P3?		
Cold Water Relay K5: ☐ 120 Volts not found between P8 and P1 ir fill?	Heat Relay K2: ☐ With P5 and P1 disconnected, 120 Volts not found between "N.O" and P3? ☐ Zero Ohms found between "Com" and "N.O." (with dryer unplugged)?		
 Main Motor Relay K3: □ 120 Volts not found between "Com" and Pagitation? □ 120 Volts not found between "Com" and Pagin? 	Temperature Regulating Circuit: "SH" appears in the display window when the		
 Agitation Relay K1: □ 120 Volts not found between P2 and P1 in agitation? □ 120 Volts found between P2 and P1 in spi Spin Relay K2: 			
 120 Volts not found between P3 and P1 d spin? 120 Volts found between P3 and P1 durin agitation? Additional Comments: 			

Warranty is void if control board is returned improperly packed or damaged.

Both copies of this form <u>must</u> be completed and returned with the control board.

Form No. 8024R1