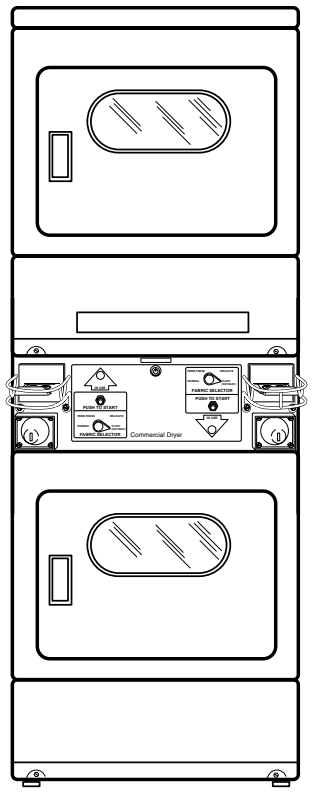
Commercial Stacked Dryers

Metered and Nonmetered "EE" and "EG" Series

Refer to Page 6 for Model Numbers

Service



D178S

Alliance Laundry Systems

www.comlaundry.com

Part No. 62956R1
January 2002

Table of Contents

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.

⚠ DANGER

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

⚠ WARNING

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

⚠ 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

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

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 *[insert product]***.**

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

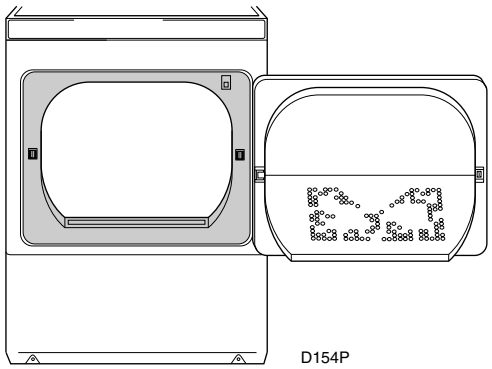
Customer Service

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.



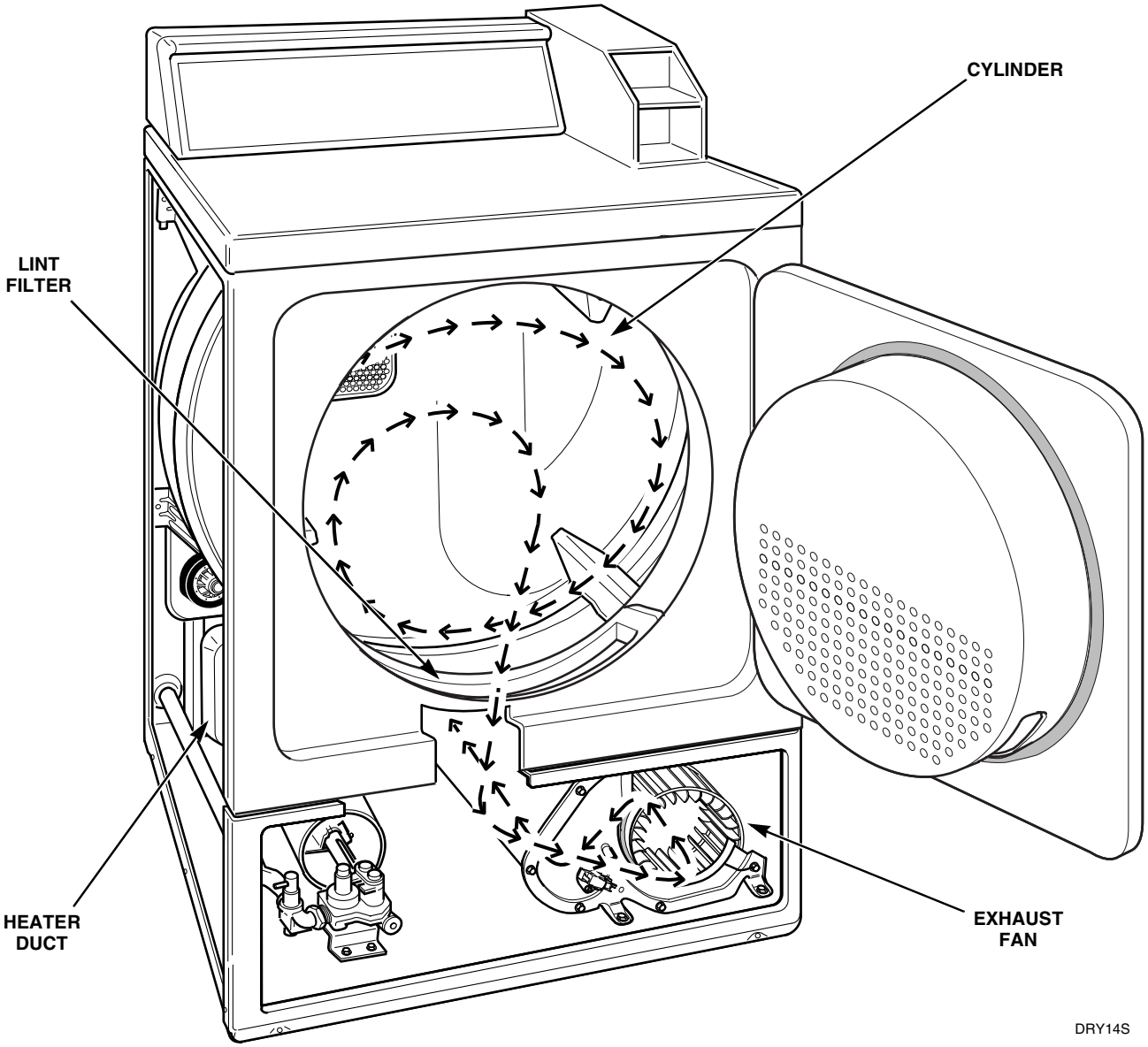
D154P

Model Identification

Information in this manual is applicable to these dryers.

Model Numbers	Nonmetered Models	Metered Models	Counter Models	Computerized Audit Models	Electric Heat	Gas Heat
EE5007	X				X	
EG5009	X					X
EE5107		X			X	
EG5109		X				X
EE5117		X			X	
EG5119		X				X
EE5507		X	X		X	
EG5509		X	X			X
EE5607		X		X	X	
EG5609		X		X		X
EE5807		X			X	
EG5809		X				X
EE5817		X			X	
EG5819		X				X
EE5907		X			X	
EG5909		X				X
EE5917		X			X	
EG5919		X				X
EE6907		X			X	
EG6909		X				X
EE6917		X			X	
EG6919		X				X

How Your Dryer Works



The dryer uses heated air to dry loads of laundry. When the motor is started, the exhaust fan pulls 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 appropriate Wiring Diagram 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.	• Has the laundry room fuse(s) blown or become loosened, or are circuit breakers open? The dryer itself does not have an electrical fuse.
Loading door not closed or inoperative door switch.	• Close door or test switch and replace if inoperative.
Timer improperly set (Nonmetered models).	• Reset timer.
Inoperative timer (Nonmetered models).	• Test timer and replace if inoperative.
Inoperative accumulator (Metered models).	• Test accumulator and replace if inoperative.
Accumulator not being activated (Metered Models).	• Install slide extention.
Start circuit not completed.	• Press start switch button, or test switch and replace if inoperative.
Motor starting functions inoperative. No Start; or Motor hums only.	• Check start switch and start windings. Refer to "*To Test Drive Motor"* on *Page 55*.
Motor is dead, won't run.	• Check start switch and start windings. Refer to "*To Test Drive Motor"* on *Page 55*.
Motor overload protector has cycled.	• Wait two or three minutes for overload protector to reset. If protector cycles repeatedly, refer to *Paragraph 2*.
Motor centrifugal switch sticky or plugged with lint.	• Remove dust or lint and spray with "SLYDE", No. 131P4, to clean and lubricate.
Bind in motor bearings.	• Remove belt and determine if motor shaft will spin. Replace motor if shaft is locked up.
Loose motor wire harness connection block.	• Firmly press connection block onto motor switch.
Broken, loose, or incorrect wiring.	• Refer to appropriate wiring diagram.
Power cord is miswired.	• Refer to appropriate wiring diagram and correct wiring.

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

2. DRYER STOPS IN CYCLE; QUITS AFTER A COUPLE LOADS; HAS A BURNING SMELL; CYCLES ON MOTOR THERMAL OVERLOAD PROTECTOR.

POSSIBLE CAUSE	TO CORRECT
Incorrect Voltage.	• Refer to the nameplate (see Page 2 for location) for correct voltage. Refer to ***Installation Instructions*** (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. Also check front and rear bulkheads for warping. Check support rollers for binding. Check cylinder seals and glides for wear or damage. Check for clothes lodged between cylinder baffle and bulkhead.
Broken, loose or incorrect wiring.	• Refer to appropriate wiring diagram.
Motor switch functions inoperative. Short in motor winding.	• Check switch and windings. Refer to "*To Test Drive Motor"* on *Page 55.*
Belt not installed properly.	• Refer to *Figure 39* for proper belt position.

3. MOTOR RUNS BUT CYLINDER DOES NOT TURN

POSSIBLE CAUSE	TO CORRECT
Motor drive pulley loose.	• Tighten pulley. Refer to *Figure 40.*
Belt not installed on pulley, belt upside down or twisted.	• Install belt properly. Refer to *Figure 39.*
Broken cylinder belt.	• Replace belt.
Check cylinder rollers for binding.	• Check cylinder for binding and "out of round" condition. Also check front and rear bulkheads for warping. Check cylinder seals and glides for wear or damage.
Broken or disconnected idler lever spring.	• Replace or reconnect spring. Refer to *Figure 40.*

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

4. MOTOR DOES NOT STOP WHILE IN OPERATION

POSSIBLE CAUSE	TO CORRECT
Motor switch rewired improperly.	• Refer to appropriate wiring diagram and 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 door switch.	• Test switch and replace if inoperative.
Inoperative timer (Nonmetered models).	• Test timer and replace if inoperative.
Inoperative accumulator (Metered models).	• Test accumulator and replace if inoperative.

5. MOTOR STARTS WHEN DOOR IS CLOSED

POSSIBLE CAUSE	TO CORRECT
Inoperative start switch.	• Test switch and replace if inoperative.

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

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

POSSIBLE CAUSE	TO CORRECT
Improper or inadequate exhaust system.	• See ***Installation Instructions*** (supplied with dryer) for exhaust requirements.
Use of plastic or thin foil exhaust duct.	• Replace with rigid or semi-rigid metal exhaust duct.
Blown house fuse or tripped circuit breaker.	• Has the laundry room fuse(s) blown or become loosened, or are circuit breakers OFF? The dryer itself does not have an electrical fuse.
Temperature selector switch set at FLUFF, or inoperative.	• Reset switch, or test switch and replace if inoperative.
Timer improperly set.	• Reset timer. Try another cycle.
Inoperative limit thermostat.	• Test thermostat and replace if inoperative.
Electric Models: Inoperative heater assembly.	• Test heater assembly. Replace heater assembly if cold Ohms do not read between 8 and 10.5 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 (Gas Models)"* on *Page 46.*.
Gas Models: Inoperative sensor.	• Test sensor and replace if inoperative. Refer to "*To Test Sensor (Gas Models)"* on *Page 48.*
Gas Models: Inoperative igniter.	• Test igniter and replace if inoperative. Refer to "*To Test Igniter (Gas Models)"* on *Page 46.*
Electric Models: Inoperative thermal fuse.	• Test thermal fuse and replace if inoperative.
Inoperative cycling thermostat.	• Test thermostat and replace if inoperative.
Inoperative timer (Nonmetered models).	• Test timer and replace if inoperative.
Inoperative accumulator (Metered models).	• Test accumulator and replace if inoperative.
Broken, loose, or incorrect wiring.	• Refer to appropriate wiring diagram.

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

POSSIBLE CAUSE	TO CORRECT
No power to power leads on valve.	• Check electrical circuit. Refer to "*To Test Electrical Circuit To Ignition System (Gas Models)"* on *Page 46.*
Sensor failed with contacts open.	• Replace sensor.
Igniter broken or open.	• Replace igniter.

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

8. BURNER IGNITES AND GOES OUT REPEATEDLY - GAS MODELS

POSSIBLE CAUSE	TO CORRECT
Improper or inadequate exhaust system. Weather hood flapper restricted.	• See ***Installation Instructions*** (supplied with dryer) for exhaust requirements.
Burner heat not holding sensor contacts open.	• Replace sensor, or correct gas supply problem.
Insufficient gas supply.	• Check gas supply and pressure. Is gas shut-off valve turned on?
Cracked igniter.	• Replace igniter and bracket.
Inoperative or intermittent gas valve coils.	• Check and replace appropriate coil. Refer to "*To Test Gas Valve Coils (Gas Models)"* on *Page 46.*

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

POSSIBLE CAUSE	TO CORRECT
Sensor failed in closed position.	• Replace sensor.
Open secondary coil or holding coil.	• Replace gas valve (in-warranty), or replace coils (out-of-warranty). Refer to "*To Test Gas Valve Coils (Gas Models)"* on *Page 46.*
Insufficient gas supply.	• Check gas supply and pressure. Is gas shut-off valve turned on?
Igniter and bracket installed improperly on burner tube assembly.	• Loosen screw and properly position igniter and bracket on burner tube assembly.
Sensor installed improperly on burner housing.	• Loosen screw and properly position the sensor on the burner housing.

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

10. HEATER ASSEMBLY OR BURNER SHUTS OFF PREMATURELY

POSSIBLE CAUSE	TO CORRECT
Improper or inadequate exhaust system. Weather hood flapper restricted. (Repeatedly cycling on limit thermostat.)	• See ***Installation Instructions*** (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: Dryer not properly equipped for type of gas used.	• Refer to "Gas Burner Conversion Procedures" supplied in gas burner conversion kit.
Gas Models: Improperly adjusted burner flame.	• Adjust flame. Refer to *Paragraph 56*.
Cycling off on limit thermostat.	• Momentarily connect a jumper wire across thermostat terminals. If heater element heats or burner ignites when jumper wire is connected, refer to *Paragraph 11*.
Gas models: Sensor contact closing prematurely. Burner flame improperly adjusted.	• Replace sensor or adjust burner flame. Refer to *Paragraph 56*.
Inoperative cycling thermostat.	• Test thermostat and replace if inoperative.
Inoperative timer (Nonmetered models).	• Test timer and replace if inoperative.
Broken, loose, or incorrect wiring.	• Refer to appropriate wiring diagram.

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

POSSIBLE CAUSE	TO CORRECT
External exhaust system longer or providing greater restriction than recommended.	• Refer to ***Installation Instructions*** (supplied with dryer) for exhaust system requirements.
Use of plastic or thin foil exhaust duct.	• Replace with rigid or semi-rigid metal exhaust duct.
Clogged lint filter.	• Clean lint filter.
Lint in internal dryer ductwork.	• Disassemble dryer ductwork and clean.
Lint or other obstruction 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 door catch.)	• Replace seal or catch.
Air leak at blower seal.	• Check and replace seal if necessary.

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

12. HEATER ASSEMBLY OR BURNER DOES NOT SHUT OFF

POSSIBLE CAUSE	TO CORRECT
Inoperative motor switch. (Timer must be in a heat setting.)	• Test switch and replace if inoperative.
Motor does not stop.	• Refer to *Paragraph 4*.
Rewired improperly.	• Refer to appropriate wiring diagram and correct wiring.
Heater assembly shorted.	• Remove heater assembly and check for short.

13. CLOTHES DO NOT DRY

POSSIBLE CAUSE	TO CORRECT
Improper or inadequate exhaust system. Weather hood flapper restricted.	• See ***Installation Instructions*** (supplied with dryer) for exhaust requirements.
Heater assembly does not heat or burner does not ignite.	• Refer to *Paragraph 6*.
Too much water in articles being dried.	• Remove excess water.
Clothes load too large.	• Remove part of load. A normal washer load is normal dryer load. Maximum load: Dryer cylinder one half full of wet clothes.
Excessive lint on lint filter.	• Clean lint filter.
Load too small.	• Add one or two bath towels to load.
Heat selector switch set on FLUFF or inoperative.	• Reset switch, or test and replace the switch if inoperative.
Improper or inadequate exhaust system.	• See ***Installation Instructions*** (supplied with dryer) for exhaust requirements.
Heater assembly or burner shuts off prematurely.	• Refer to *Paragraph 10*.
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.
Improper belt installation (Low RPM). Is belt connected on motor shaft?	• Check for proper belt installation. Refer to *Figure 39*.

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

14. CLOTHES ARE TOO HOT WHEN REMOVED FROM DRYER

POSSIBLE CAUSE	TO CORRECT
Improper or inadequate exhaust system.	• Refer to ***Installation Instructions*** (supplied with dryer) for exhaust requirements.
Clothes are removed from dryer before cycle has completed.	• Allow the dryer to complete the cycle through the cool-down to the OFF position.
Inoperative cycling thermostat. Inoperative thermostat heater on the DELICATE setting.	• Test cycling thermostat or thermostat heater and replace if inoperative.
Inoperative timer (Nonmetered models).	• Test timer and replace if inoperative.

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 (Gas And Electric Models)
Refer to *Figure 1*

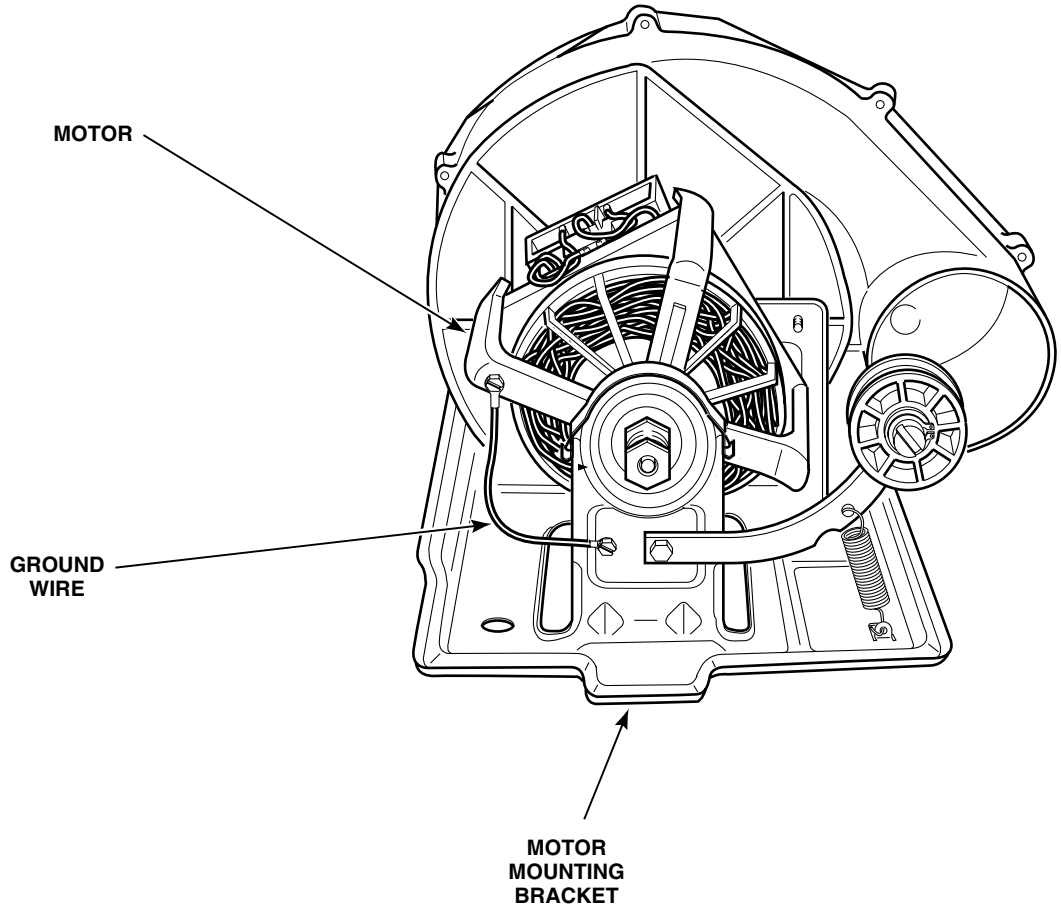


Figure 1

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

16. NEUTRAL AT TERMINAL BLOCK TO REAR BULKHEAD (Electric Models Only)
Refer to *Figure 2*

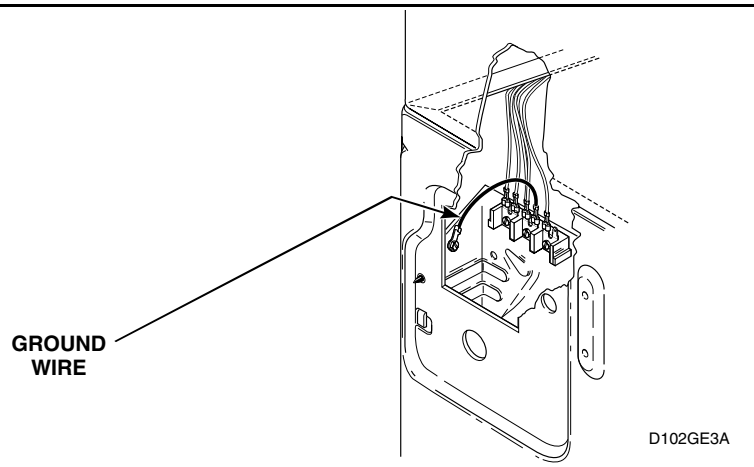


Figure 2

17. POWER CORD TO REAR BULKHEAD. WALL RECEPTACLE POLARITY CHECK (Gas Models Only)
Refer to *Figure 3*

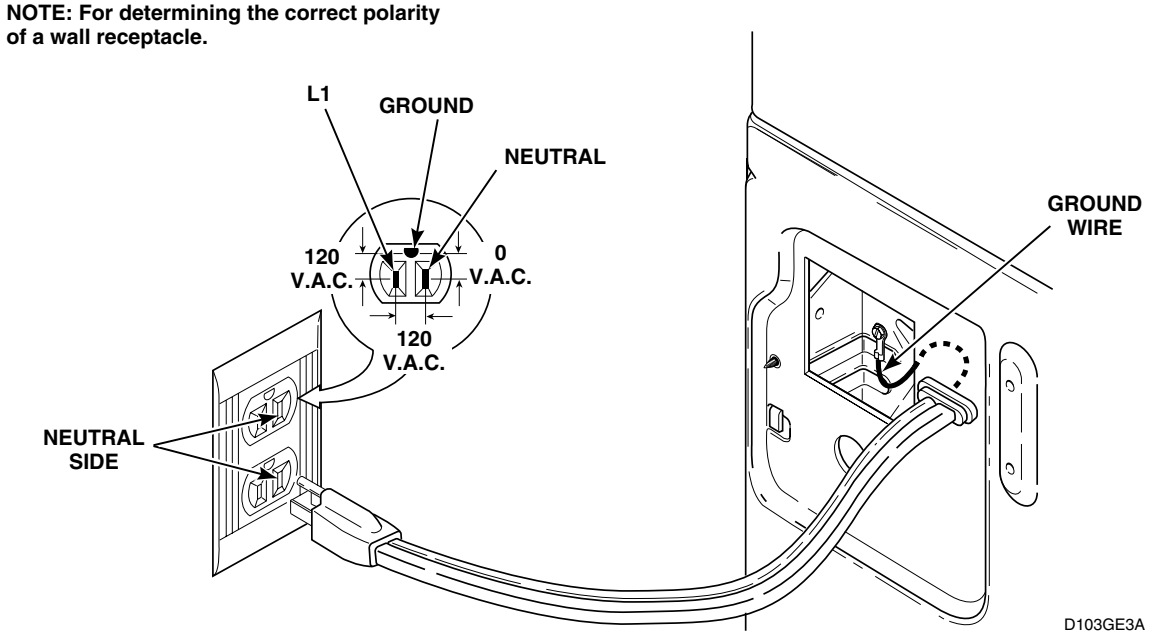


Figure 3

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

18. METERED AND NONMETERED MODELS – FROM REAR BULKHEAD TO ACCUMULATOR BRACKET OR TIMER (Depending On Model)

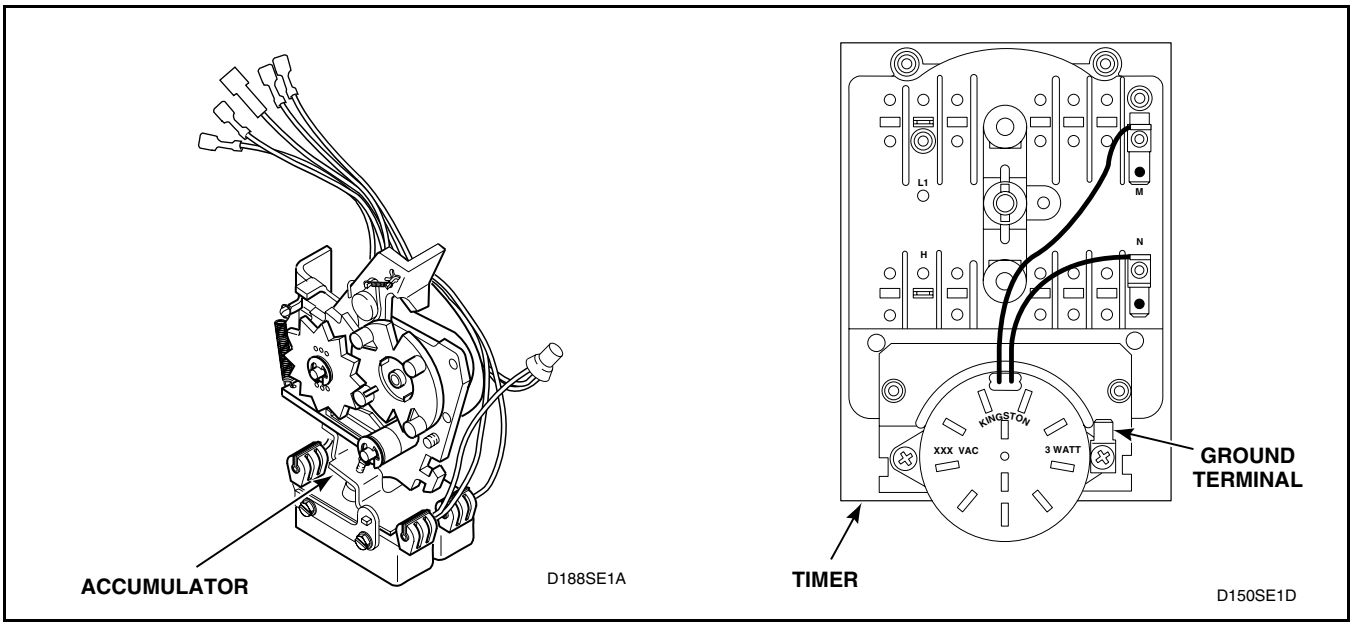


Figure 4

19. METERED AND NONMETERED MODELS – FROM CONTROL CABINET TO CONTROL PANEL

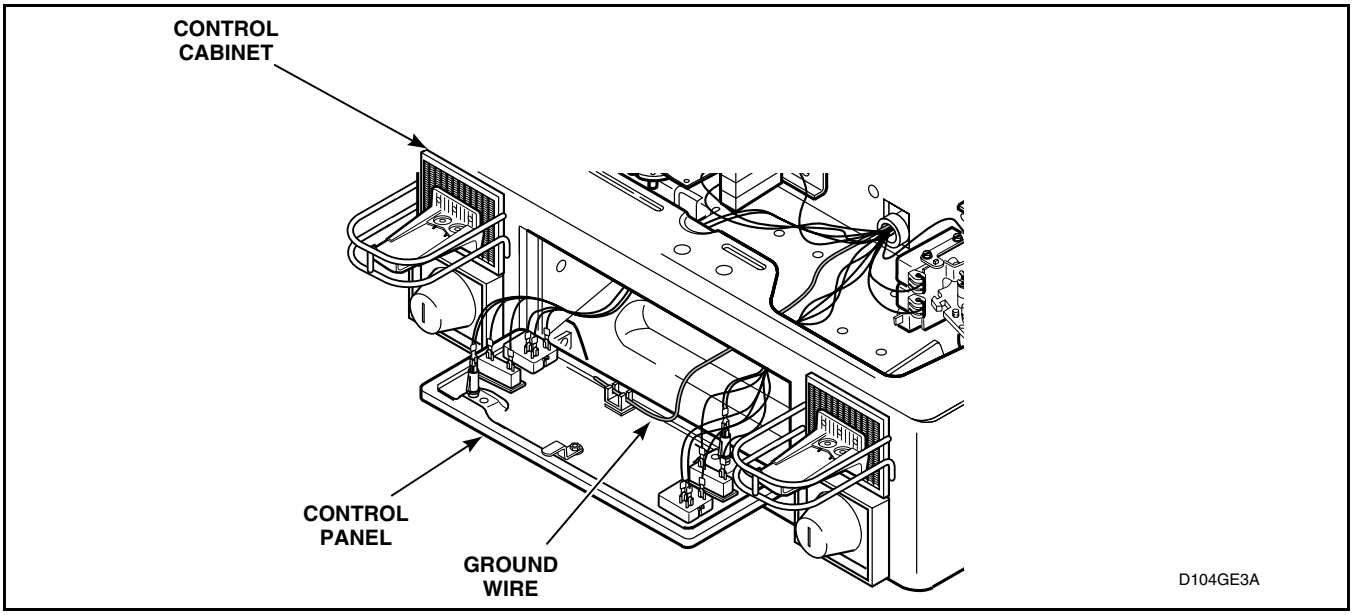


Figure 5

Section 5
Service Procedures

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: 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.

IMPORTANT: Electrical test procedures in this service manual are performed by using a Volt-Ohm meter. Test can also be performed using a multi-meter or any other electrical testing equipment with which the service person is familiar.

WARNING

Do not repair or replace any part of the dryer or attempt any servicing unless specifically recommended in the User-Maintenance Instructions or in published user-repair instructions that you understand and have the skills to carry out.

20. CONTROL PANEL, TEMPERATURE SWITCH, PUSH-TO-START SWITCH AND INDICATOR LIGHT

Refer to *Figure 6*

a. Unlock control panel. Refer to *Figure 6*, Step 1.
b. Pull top of control panel away from control cabinet far enough to allow lifting the control panel up and off the rail support of the control cabinet. Refer to *Figure 6*, Step 2. Remove control panel away from control cabinet. Refer to *Figure 6*, Step 3
c. Disconnect all wires to temperature switch, PUSH-TO-START switch and INDICATOR LIGHT and remove ground clip and screw holding ground wire to control cabinet and control panel.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

d. Loosen setscrew holding temperature switch knob to shaft and pull knob off shaft. Refer to *Figures 7*, *8* or *9*.
e. Remove knurled nut holding temperature switch to panel and remove switch. Refer to *Figures 7*, *8* or *9*.
f. Remove hex nut from PUSH-TO-START switch and remove switch. Refer to *Figures 7*, *8* or *9*.
g. Squeeze locking tabs on INDICATOR LIGHT and pull light out from back of panel. Refer to *Figures 7*, *8* or *9*.

To Test Temperature Switch

1. Disconnect all wires from temperature switch.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

2. Set test meter to read OHMS and apply meter leads to terminals:

L1 and 2	"zero" reading in DELICATE
L1 and 2	"zero" reading in PERMANENT PRESS
L1 and 1 L1 and 2	"zero" reading in NORMAL

Meter should give "no reading" from L1 to 1 and from L1 to 2 in FLUFF.

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

To Test Push-to-Start Switch

1. Unplug dryer from electrical supply and disconnect wires from switch terminals.
2. Set Volt-Ohm meter on OHMS scale and calibrate at appropriate scale.
3. Place meter probes on switch terminals. You should see an “infinite” reading on the meter.
4. With probes attached to switch, press the start switch button. You should read “0” Ohms.

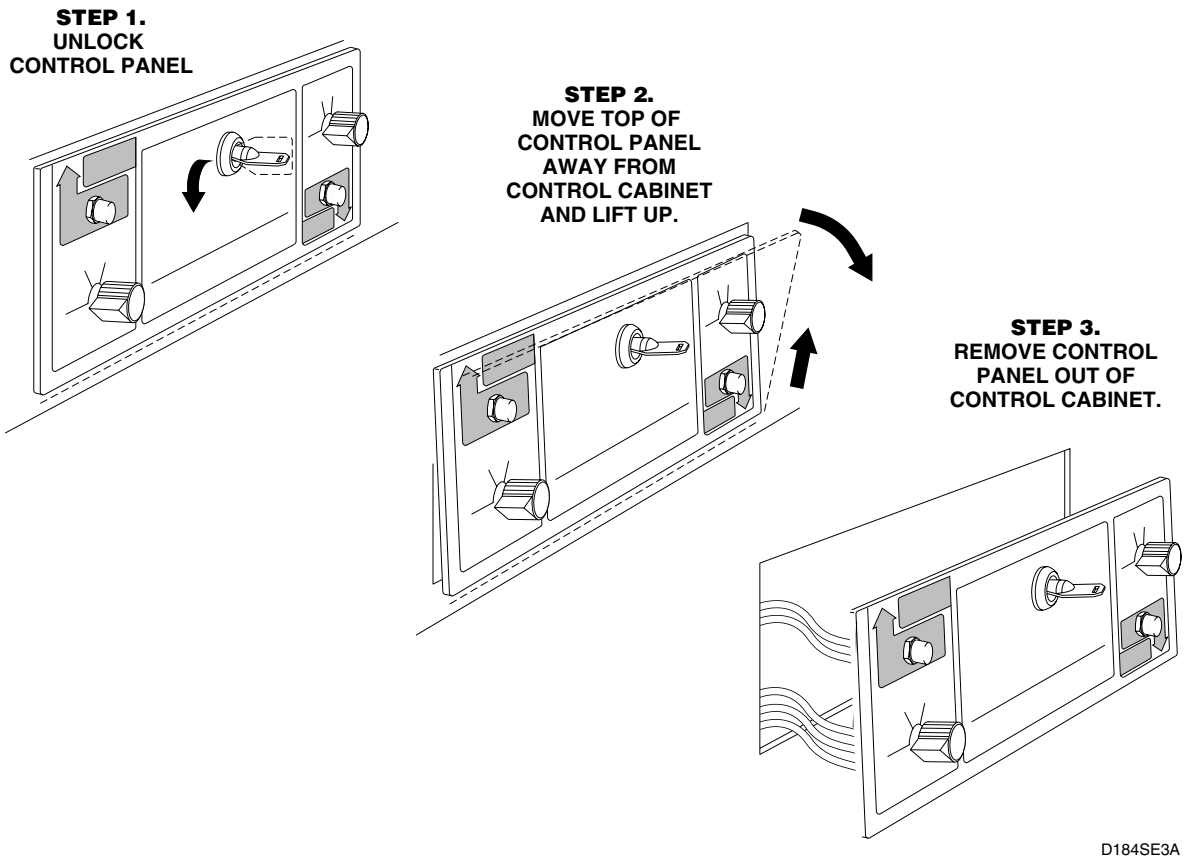
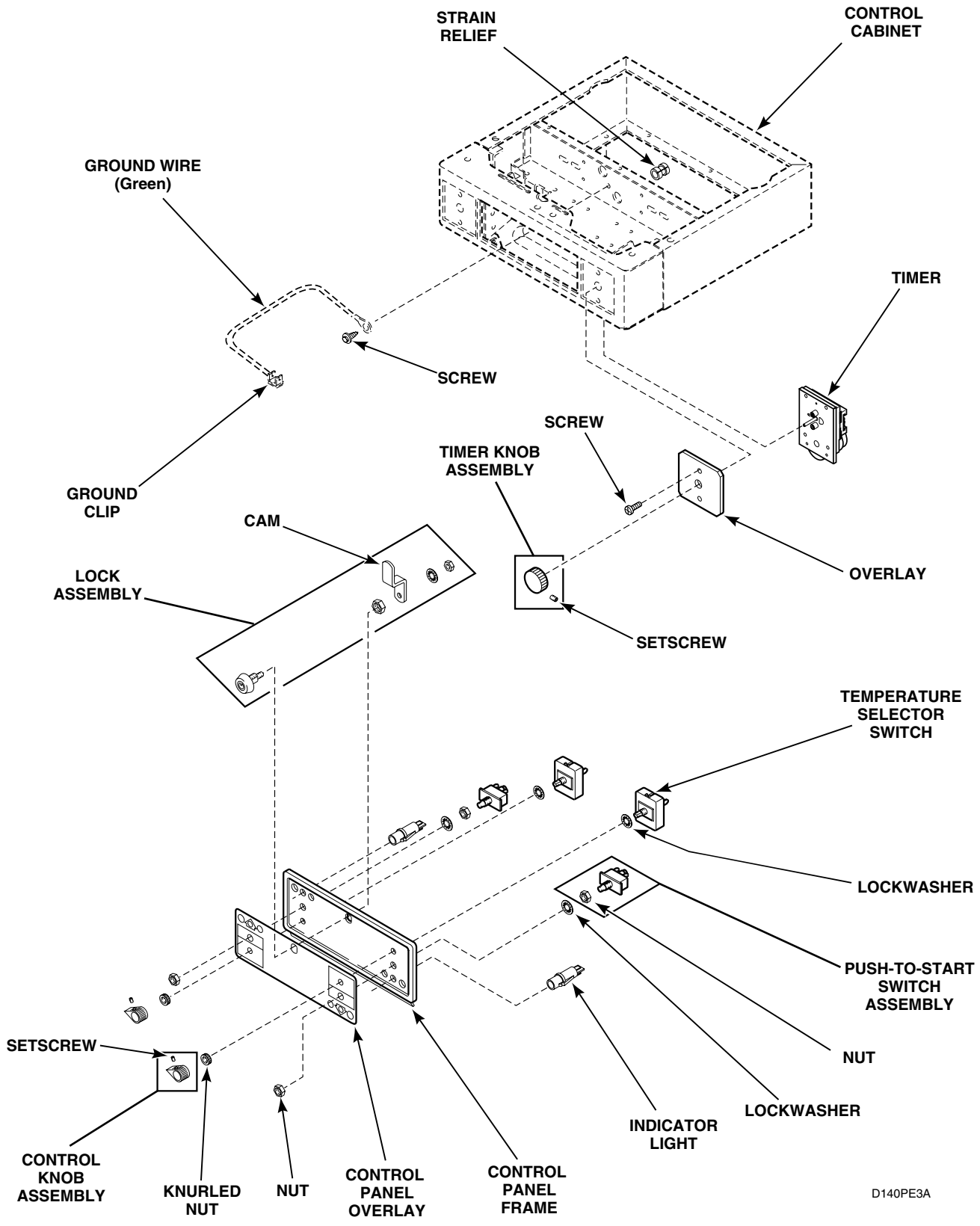
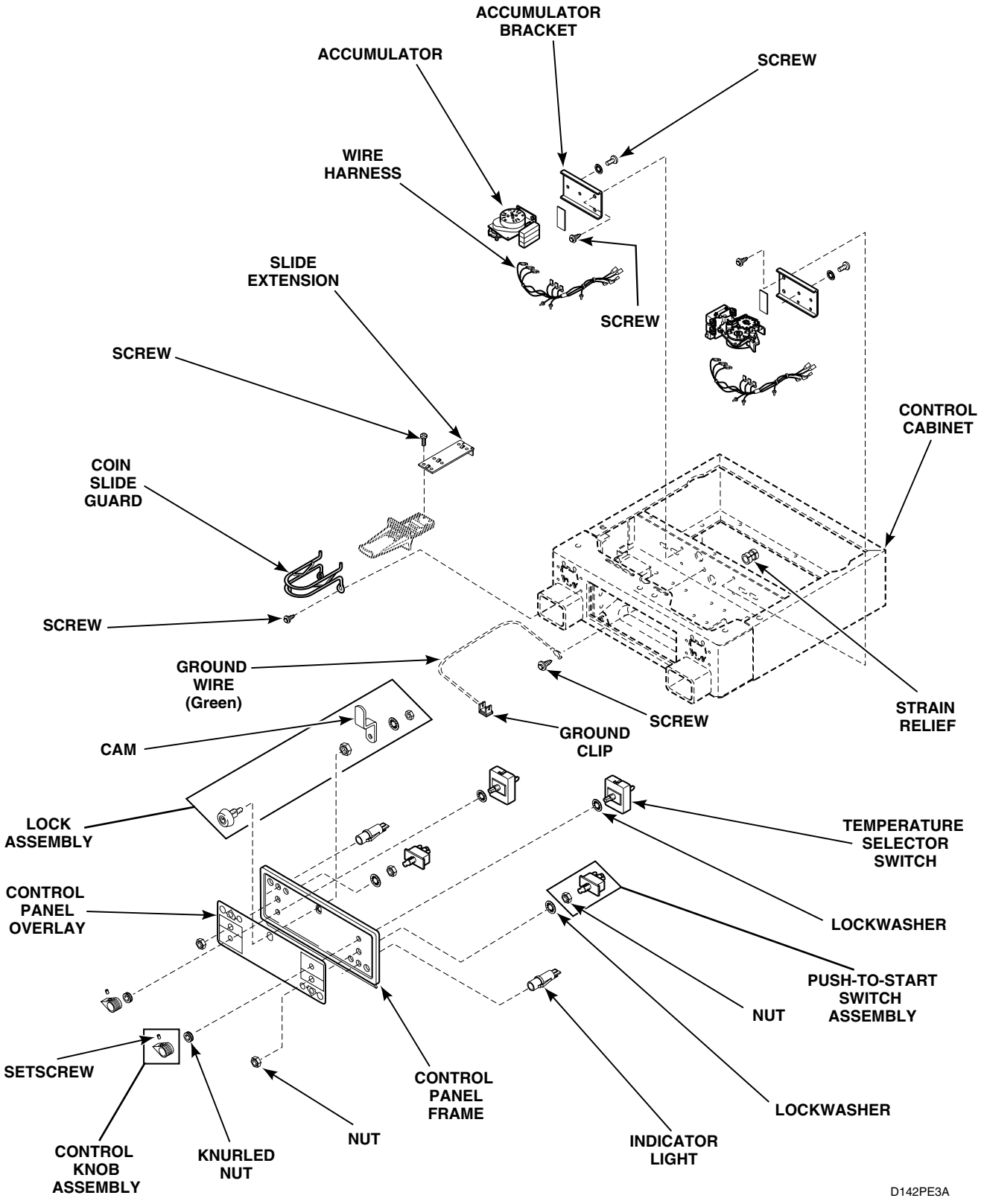


Figure 6



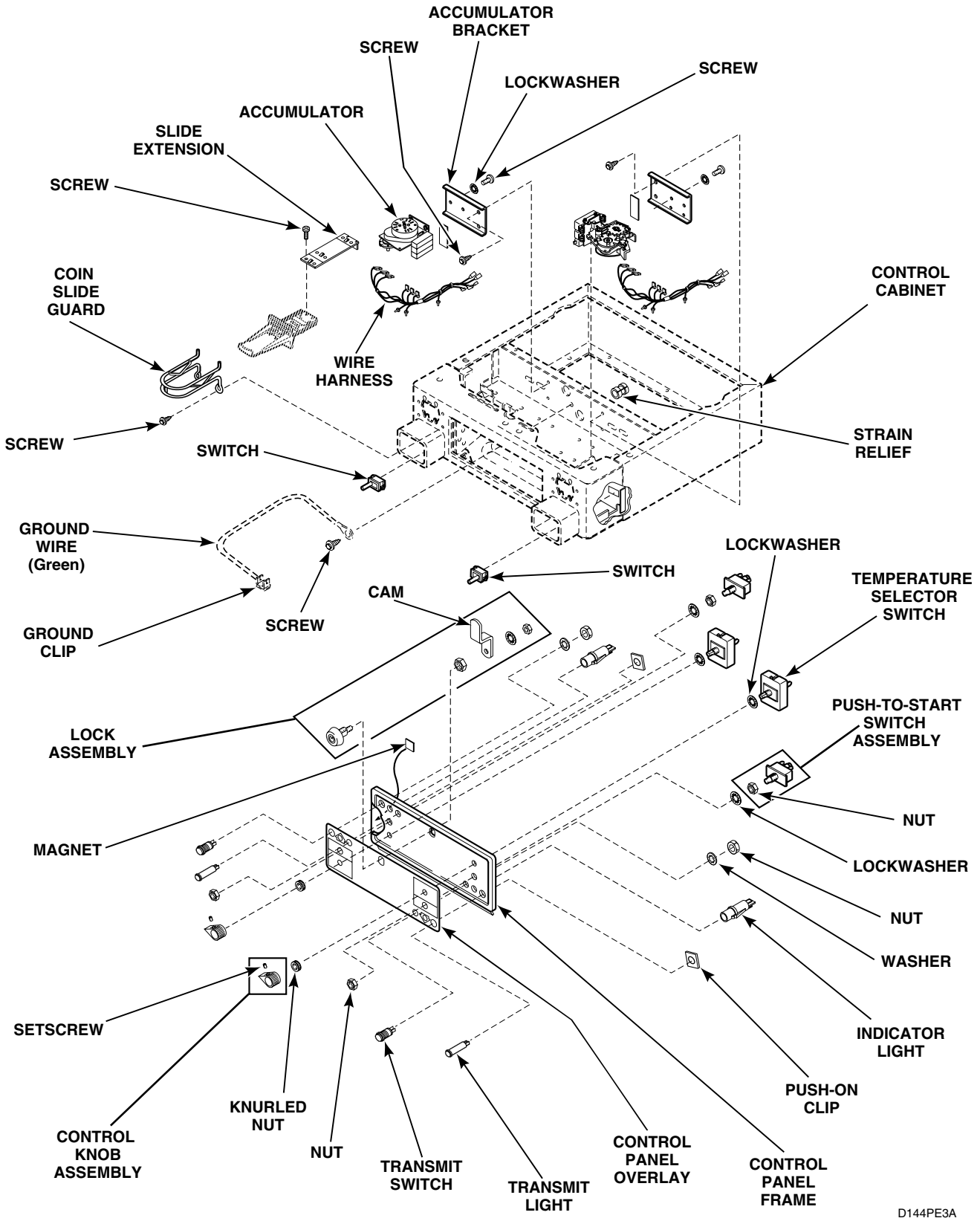
CONTROL PANEL AND CONTROLS (MODELS EE5007 AND EG5009)

Figure 7



CONTROL PANEL AND CONTROLS
(MODELS EE5107, EG5109, EE5117, EG5119, EE5507 AND EG5509)

Figure 8



CONTROL PANEL AND CONTROLS (MODELS EE5607 AND EG5609)

Figure 9

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

21. CONTROL CABINET FRONT

a. Unlock control panel. Refer to *Figure 6*, Step 1.

b. Pull top of control panel away from control cabinet far enough to allow lifting the control panel up and off the rail support on front of control cabinet. Refer to *Figure 6*, Step 2. Remove control panel away from control cabinet. Refer to *Figure 6*, Step 3.

c. Disconnect all wires from the control panel components; then remove ground clip and screw holding ground wire to control cabinet and control panel. Refer to *Figure 5*.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

d. While supporting the lower access panel, remove the lower front access panel from both the upper and lower dryers by removing the two screws from the bottom edge of each access panel. Refer to *Figure 10*.

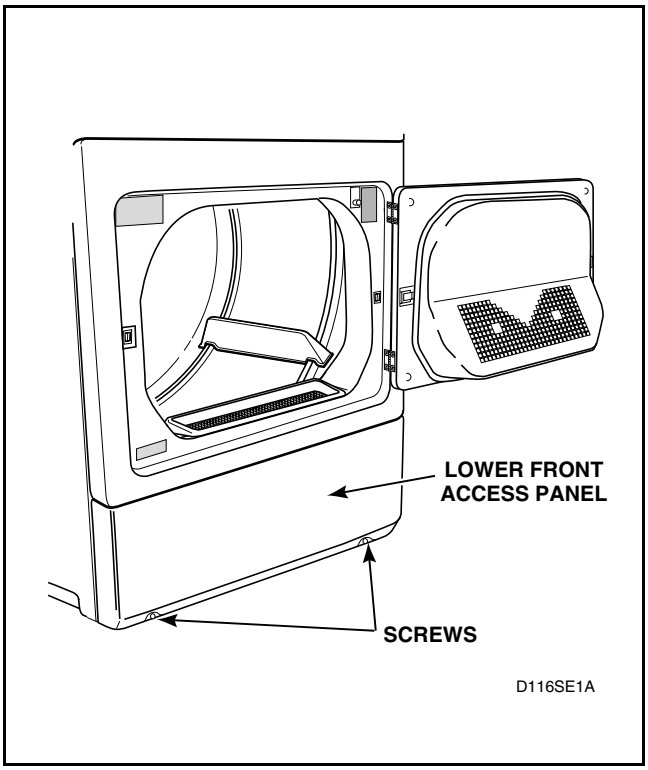


Figure 10

e. Gently lower each access panel to disengage guide lugs from bottom edge of front panel.

f. **LOWER DRYER** - Remove two screws holding bottom tabs on front panel to dryer cabinet. Refer to *Figure 11*. Swing bottom of front panel away from dryer to disengage hold-down clips and guide lugs from control cabinet.

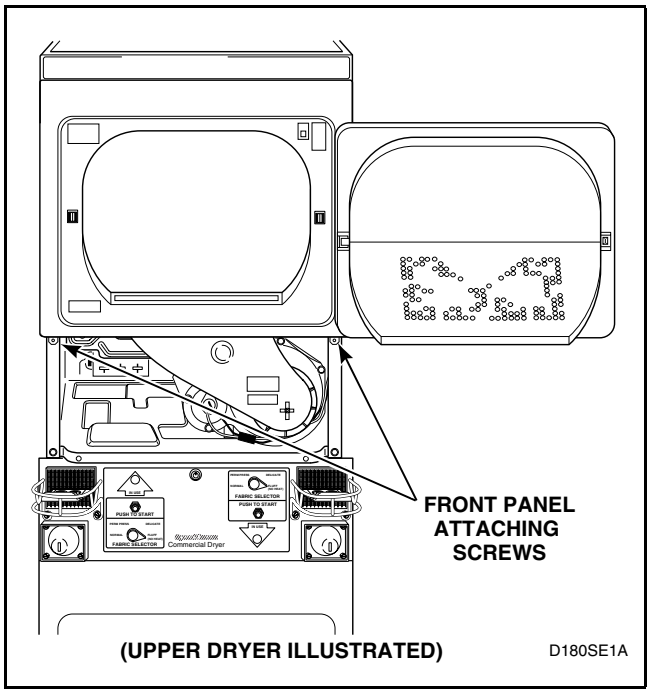


Figure 11

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

g. Disconnect wires from door switch. Refer to *Figure 12*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

h. **LOWER DRYER** - Remove two screws holding bottom tabs on control cabinet to front flange of dryer cabinet. Refer to *Figures 13*, *14* or *15*.

i. **UPPER DRYER** - Remove two screws and shoulder washers holding the upper dryer base to the top side of the control cabinet front. Refer to *Figures 13*, *14* or *15*.

j. Reach in through front opening of control cabinet and remove two screws (per side) holding the control cabinet front to the front flange of the control cabinet wrapper. Refer to *Figures 13*, *14* or *15*.

k. **METERED MODELS** - Unlock and remove two coin drawers. Reach in through coin drawer opening and remove one screw (per side) holding control cabinet from to control cabinet wrapper. Refer to *Figures 14* or *15*.

l. Reach through control panel opening and remove two screws holding the control cabinet wrapper tabs to the control cabinet front tabs. Refer to *Figures 13*, *14* or *15*.

m. Carefully pull control cabinet front straight out from between the upper and lower dryers. Refer to *Figures 13*, *14* or *15*.

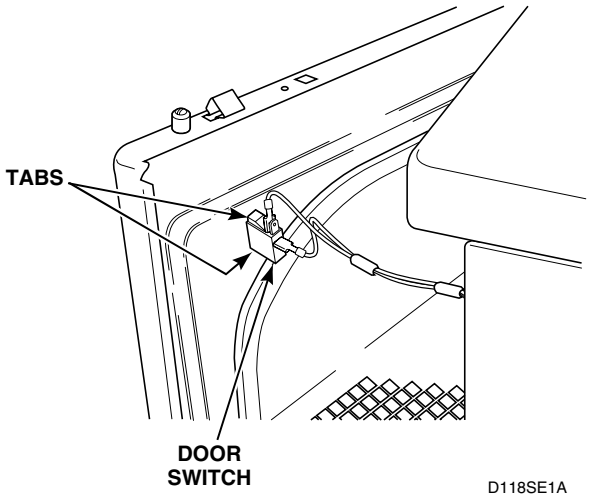
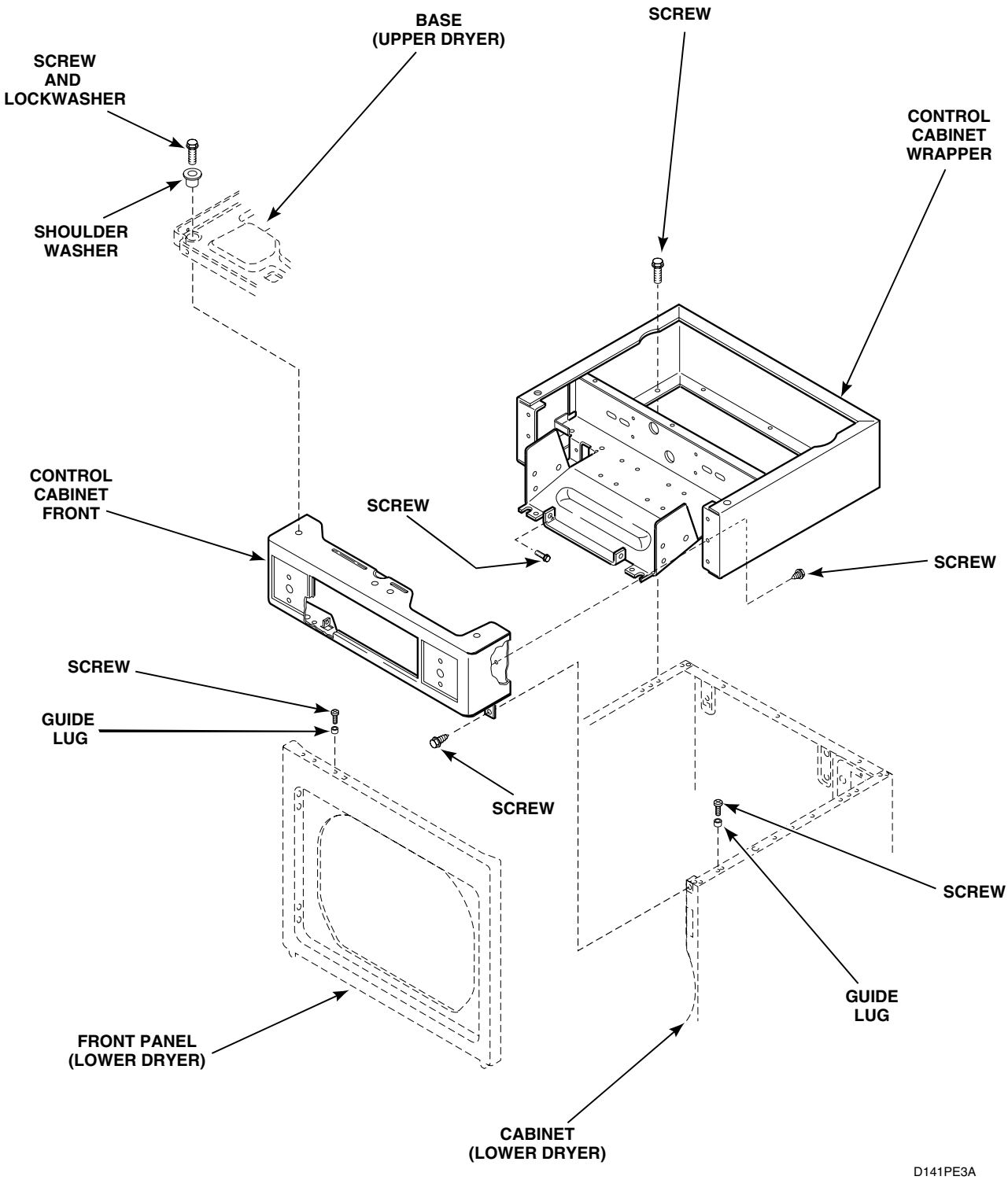
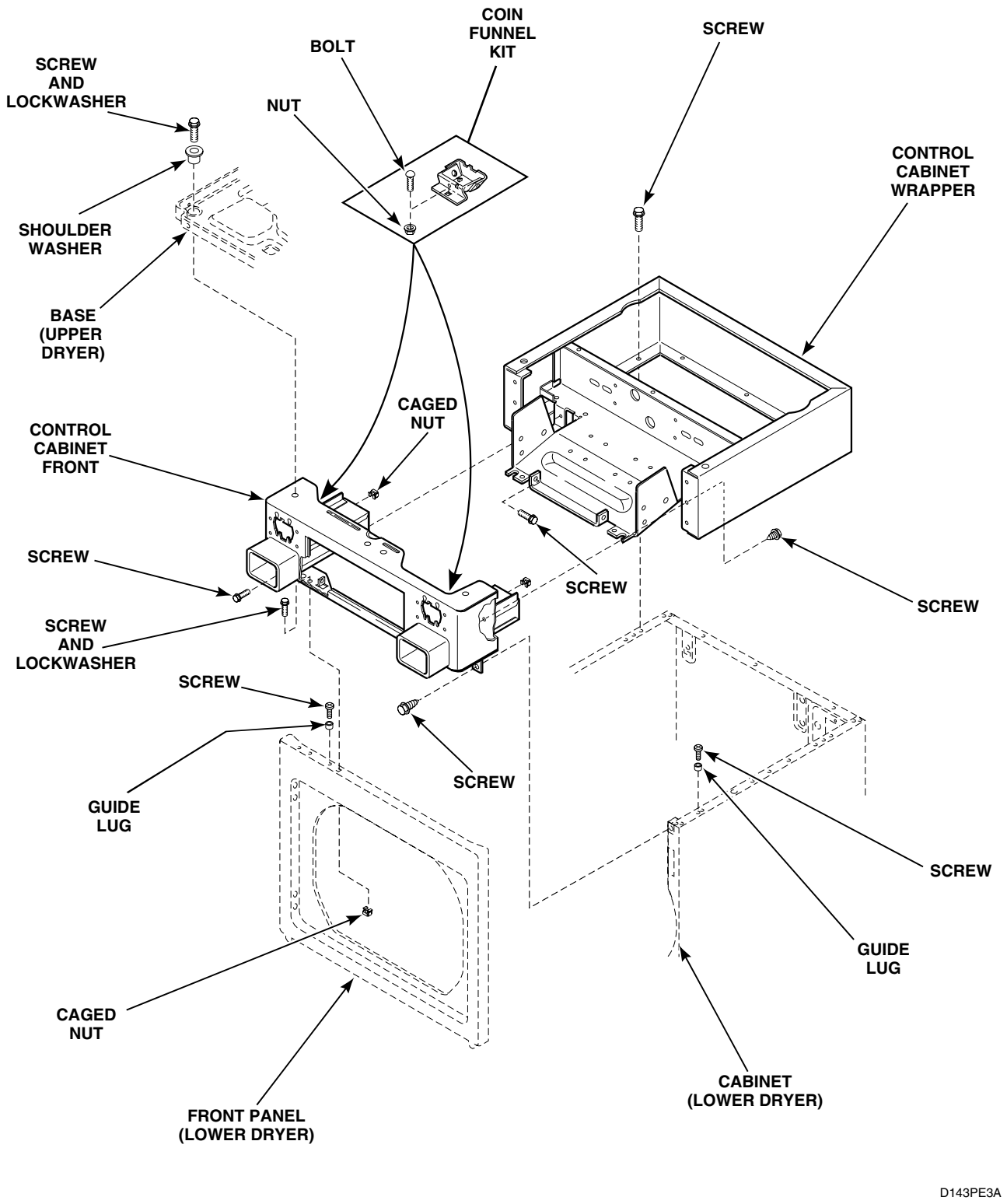


Figure 12



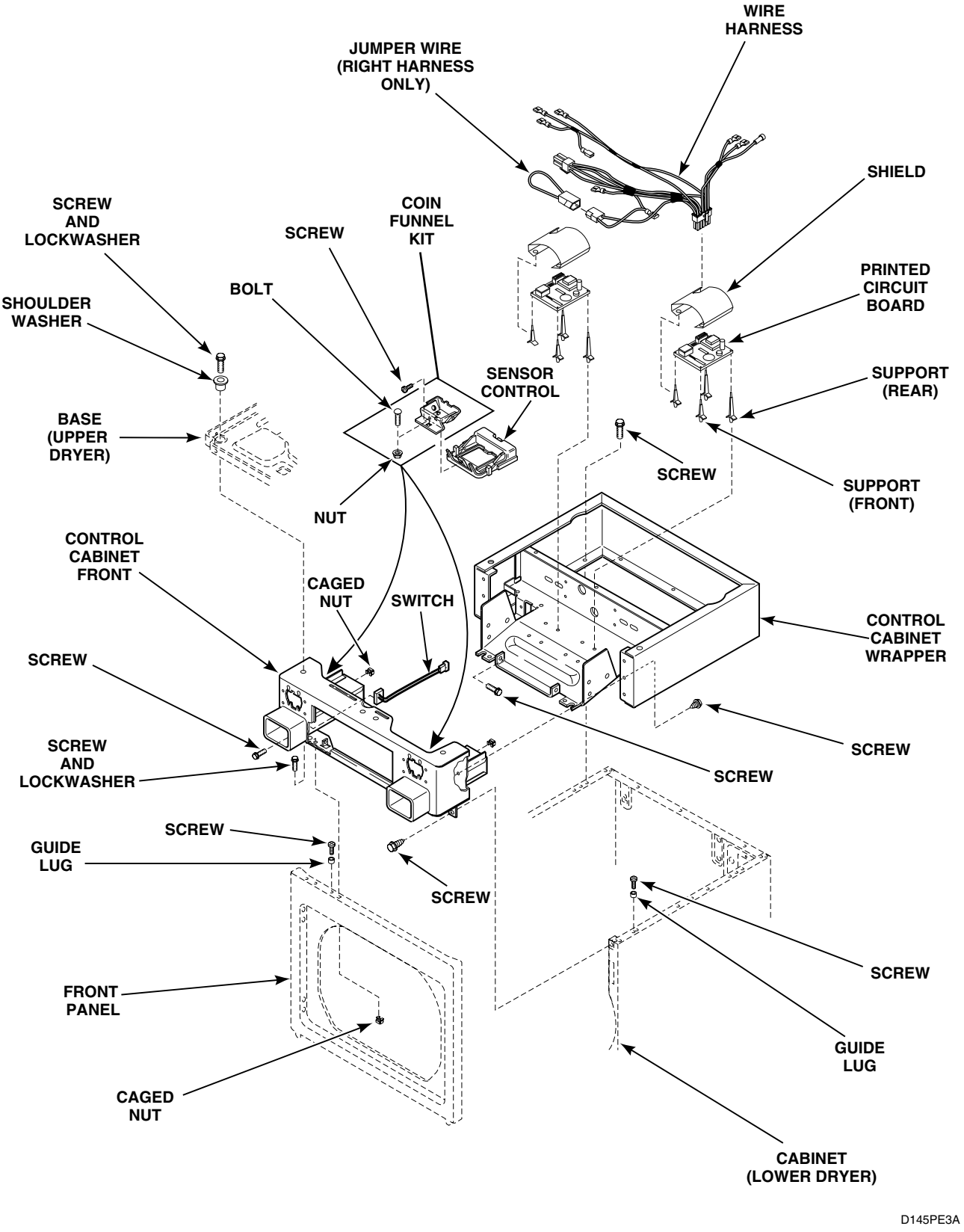
CONTROL CABINET
(MODELS EE5007 AND EG5009)

Figure 13



CONTROL CABINET
(MODELS EE5107, EG5109, EE5117, EG5119, EE5507 AND EG5509)

Figure 14



CONTROL CABINET
(MODELS EE5607 AND EG5609)

Figure 15

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

22. CONTROL PANEL OVERLAY

a. Unlock control panel. Refer to *Figure 6*.

b. Pull top of control panel away from control cabinet far enough to allow lifting the control panel up and off the rail support of the control cabinet. Refer to *Figure 6*, Step 2. Remove control panel away from control cabinet. Refer to *Figure 6*, Step 3.

c. Disconnect all wires to TEMPERATURE SWITCH, PUSH-TO-START switch and INDICATOR LIGHT and remove ground clip and screw holding ground wire to control cabinet and control panel.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

d. Loosen setscrew holding temperature switch knob to shaft and pull knob off shaft. Refer to *Figures 7*, *8* or *9*.

e. Remove knurled nut holding temperature switch to panel and remove switch. Refer to *Figures 7*, *8* or *9*.

f. Remove hexnut from PUSH-TO-START switch and remove switch. Refer to *Figures 7*, *8* or *9*.

g. Squeeze locking tabs in on INDICATOR LIGHT and pull light out back of panel. Refer to *Figures 7*, *8* or *9*.

h. Remove locknut and lockwasher holding cam on lock assembly. Refer to *Figures 7*, *8* or *9*.

i. Remove large locknut holding lock assembly in control panel frame; then remove lock assembly out through front of control panel frame. Refer to *Figures 7*, *8* or *9*.

NOTE: The control panel overlay has an adhesive backing. Remove it by carefully peeling it from the control panel frame.

INSTALLING NEW CONTROL PANEL OVERLAY

NOTE: Before removing the protective backing from the new control panel overlay, check the fit of the overlay to the dryer control panel frame. The temperature switch hole, lock assembly hole and push-to-start switch holes are the locating guides.

a. Once the overlay is fitted to the control panel frame, carefully peel the protective backing from either end of the overlay and firmly press in place.

b. Remove the rest of the protective backing from the overlay and firmly press the overlay into place.

c. Reassemble components on the control panel and reinstall in control cabinet.

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

23. TIMER (Nonmetered Models)

a. Unlock control panel. Refer to *Figure 6*, Step 1.
b. Pull top of control panel away from control cabinet far enough to allow lifting the control panel up and off the rail support of the control cabinet. Refer to *Figure 6*, Step 2. Remove control panel away from control cabinet. Refer to *Figure 6*, Step 3.
c. Disconnect all wires to TEMPERATURE SWITCH, PUSH-TO-START switch and INDICATOR LIGHT and remove ground clip and screw holding ground wire to control cabinet and control panel.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

d. Loosen setscrew in appropriate timer knob and remove knob from timer shaft. Refer to *Figure 7*.
e. Reach in through control panel opening; support the appropriate timer and remove screws holding timer to control cabinet. Refer to *Figure 7*.
f. Pull timer out through control panel opening as far as wires will permit.
g. Disconnect wires from timer.

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

h. Remove ground wire from ground terminal on timer. Refer to *Figure 4*.

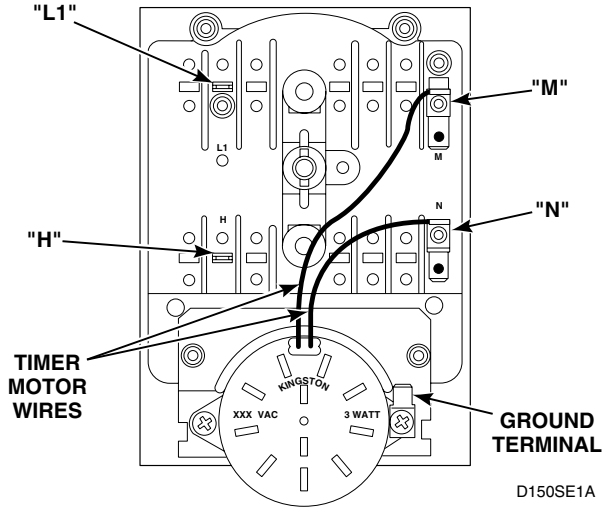


Figure 16

To Test Timer Contacts (Nonmetered Models)

1. Disconnect wires from timer, except timer motor wires. Refer to *Figure 16*.

NOTE: Refer to appropriate wiring diagram when rewiring timer.

2. Manually rotate timer out of "OFF" position and into cycle.
3. Set test meter to read OHMS. The following readings should be found:
   a. Motor circuit test - L1 and M = "zero" Ohms (closed)
   b. Heat circuit test - L1 and H = "zero" Ohms (closed)
   c. Timer motor test - L1 and N = approximately 1100 Ohms or apply live power to timer motor terminals and motor should run.

NOTE: Timer Motor Resistance
120 Volt, 60 Hz.2,460 - 3,100 Ohms
240 Volt, 50 Hz.10,900 - 13,300 Ohms

4. Rotate timer to "cooldown" (5 minutes before "OFF"). "Infinite" (open) reading should be found between L1 and H.
5. Rotate timer to "OFF" position. "Infinite" (open) reading should be found between L1 and M and between L1 and H.

NOTE: Timer motor power is supplied through the "M" terminal.

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

24. ACCUMULATOR (Metered Models)

a. Unlock control panel. Refer to *Figure 6*, Step 1.

b. Pull top of control panel away from control cabinet far enough to allow lifting the control panel up and off the rail support of the control cabinet. Refer to *Figure 6*, Step 2. Remove control panel away from control cabinet. Refer to *Figure 6*, Step 3.

c. Disconnect all wires to TEMPERATURE SWITCH, PUSH-TO-START switch and INDICATOR LIGHT and remove ground clip and screw holding ground wire to control cabinet and control panel.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

d. Reach in through control panel opening and remove screws holding accumulator and mounting bracket to the control cabinet. Refer to *Figure 17*.

e. Disconnect wires from accumulator at the connectors.

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

f. Remove two screws holding accumulator to mounting bracket. Refer to *Figures 8* or *9*.

g. **Counter** (if present). Refer to *Figure 8*.

(1) Disconnect wire from terminal on accumulator switch “c”.

(2) Cut the other wire at the butt splice connector.

NOTE: Butt splice connector will need to be replaced during reinstallation.

(3) Cut harness strap holding wires to bracket.

NOTE: Harness strap must be replaced during reinstallation.

(4) The counter(s) are mounted inside the control cabinet with two-sided tape. Refer to *Figure 8*.

NOTE: When installing a new counter, remove the protective backing from the tape located on underside of new counter. Firmly press the new counter in place. Tape on counter will reach full adhesion in approximately 24 hours.

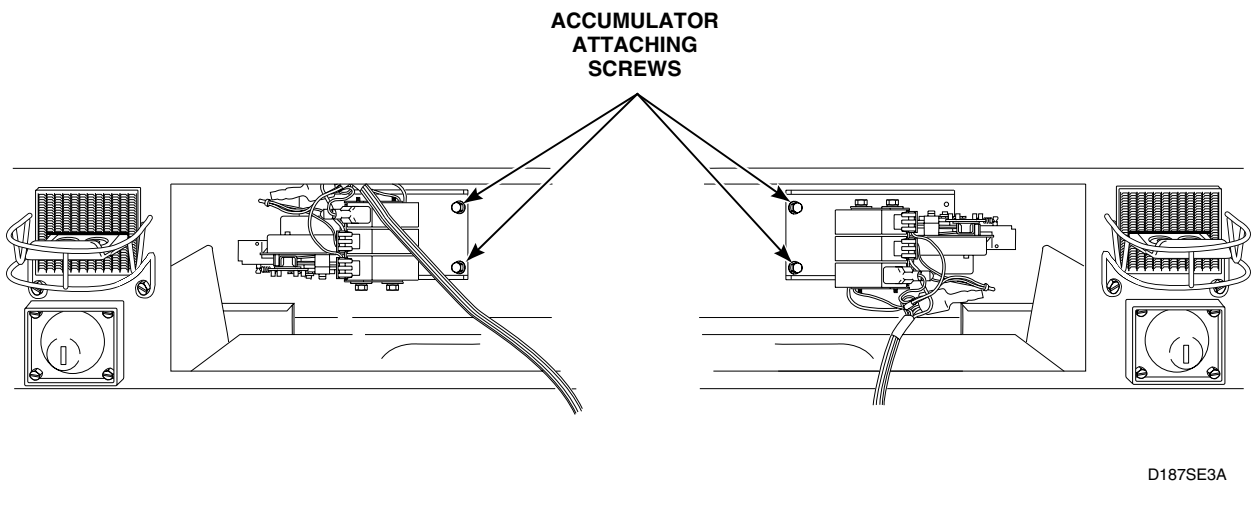


Figure 17

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.**

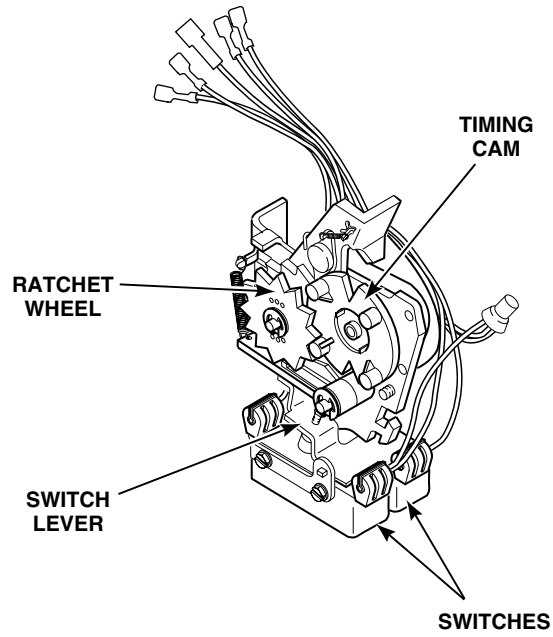
W001R1

To Test Accumulator and Timing Motor
(Metered Models - Refer to *Figure 18*)

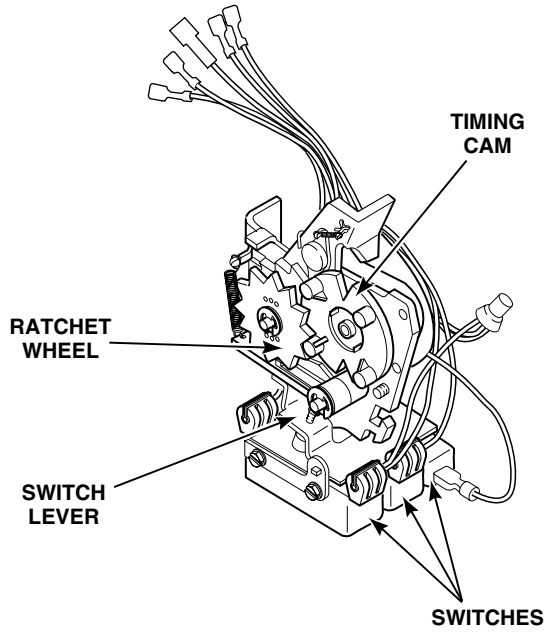
1. Remove wires from one side of each switch.

NOTE: Refer to appropriate wiring diagram when rewiring switches.

2. Manually advance timing cam to disengage it from ratchet wheel.
3. Set meter to read OHMS and apply leads on terminals of each switch. You should read the following:
   Switch A - "zero" Ohms (closed)
   Switch B - "zero" Ohms (closed)
   Switch C (if present) - "infinite" (open)
4. Manually advance timing cam until it engages with ratchet wheel and the first "click" is heard. Switch B should now read "infinite" (open).
5. Continue to rotate timing cam until second "click" is heard. Switch B should remain open. Switch A should read "infinite" (open) and Switch C (if present) should read "zero" Ohms (closed).
6. Timing motor
   Apply live power to timing motor leads. Timing motor should advance timing cam.



TWO SWITCH ACCUMULATOR



THREE SWITCH ACCUMULATOR

D188SE3A

Figure 18

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

25. CABINET TOP (Upper Dryer)

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 10*.

b. Gently lower the access panel to disengage guide lugs from bottom edge of front panel.

c. Remove two screws holding bottom tabs on front panel to dryer cabinet. Refer to *Figure 11*. Swing bottom of front panel away from dryer to disengage hold-down clips and guide lugs from cabinet top.

d. Disconnect wires from door switch. Refer to *Figure 12*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

e. Remove two screws holding cabinet top hold-down brackets to front flange of cabinet. Refer to *Figure 19*.

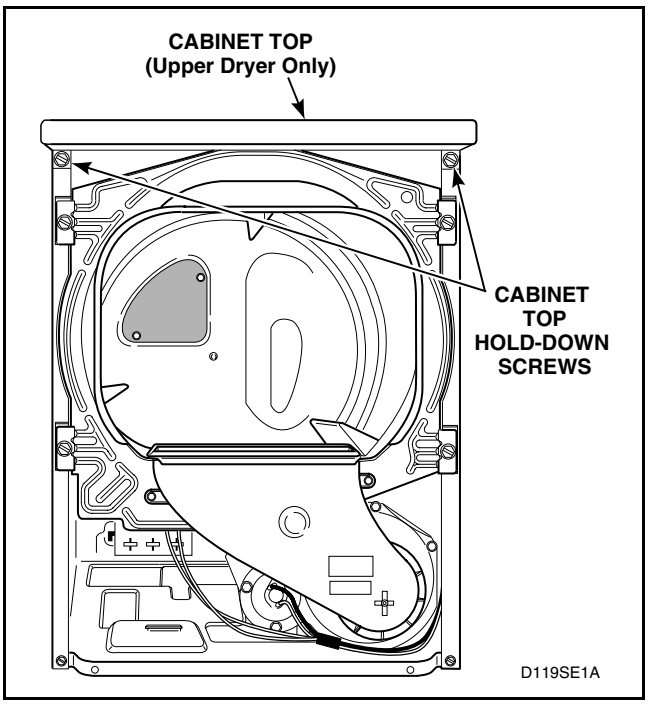


Figure 19

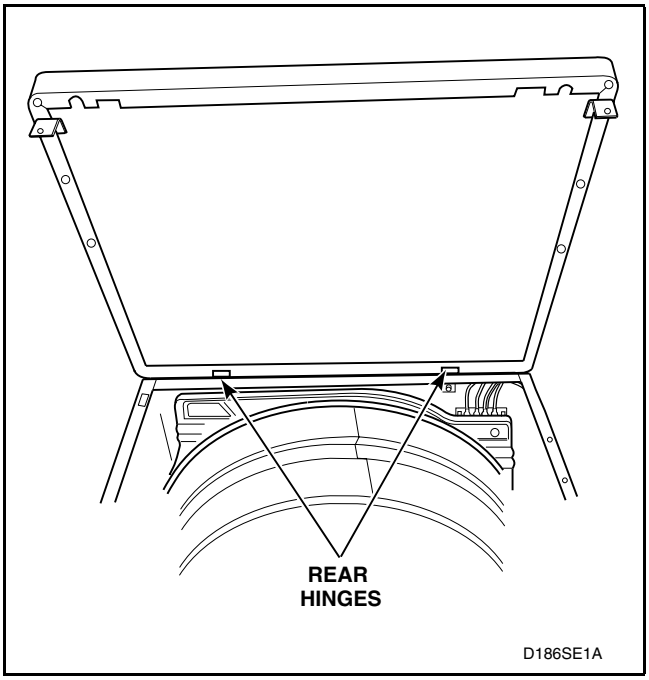


Figure 20

f. Lift cabinet top to a vertical position by hinging it on the rear hinges. Refer to *Figure 20*.

NOTE: While servicing, cabinet top may be raised and hinged on the rear hinges or supported against wall behind dryer.

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

26. LINT FILTER

Refer to *Figure 21*

a. Open loading door and remove screw from each end of lint filter.

b. Lift lint filter out of front bulkhead.

IMPORTANT: Make sure to replace the filter with the wording on the filter facing the front of the dryer.

27. LOADING DOOR AND HINGES

a. Open loading door. Refer to *Figure 21*.

b. Support loading door and remove screws holding loading door and hinges to front panel. Refer to *Figure 21*.

28. DOOR HINGE

a. Remove four screws holding hinge to loading door. Refer to *Figure 25*.

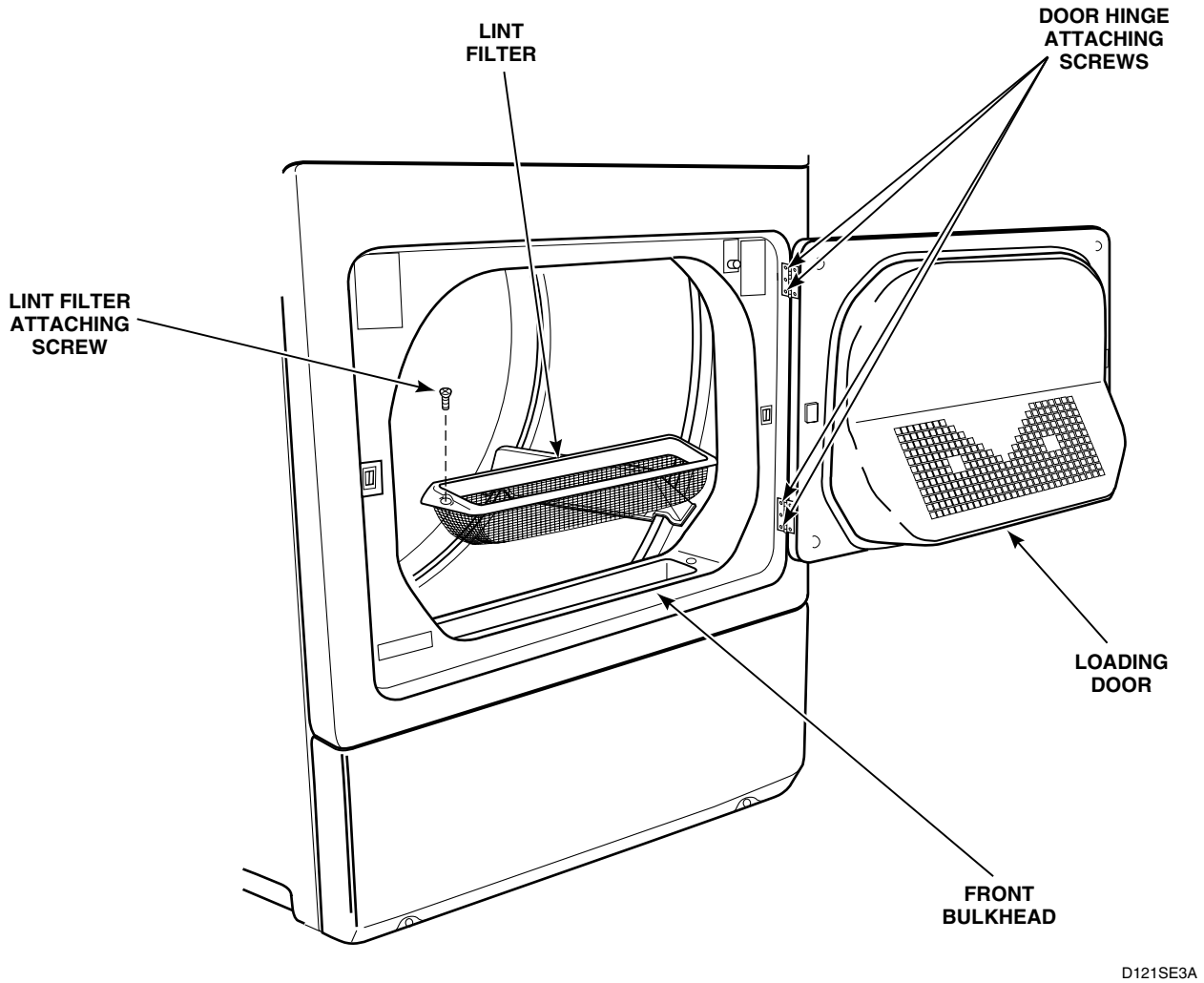


Figure 21

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

29. REVERSING DOOR PROCEDURE (OPTIONAL)

NOTE: Dryer doors equipped with a window are not reversible.

The door on your dryer is completely reversible. It can be hinged on either side for your convenience. The door consists of 16 screws; 11 around the door perimeter, four on the front panel and one in the recessed door pull. All screws are interchangeable except for the one in the recessed door pull.

The dryer is shipped from the factory with the door hinged on the right side (viewed from front of dryer). To hinge the door on the left side, proceed as follows:

a. Support door and remove four screws holding hinges to front panel. Refer to *Figure 22*. Remove complete door assembly.

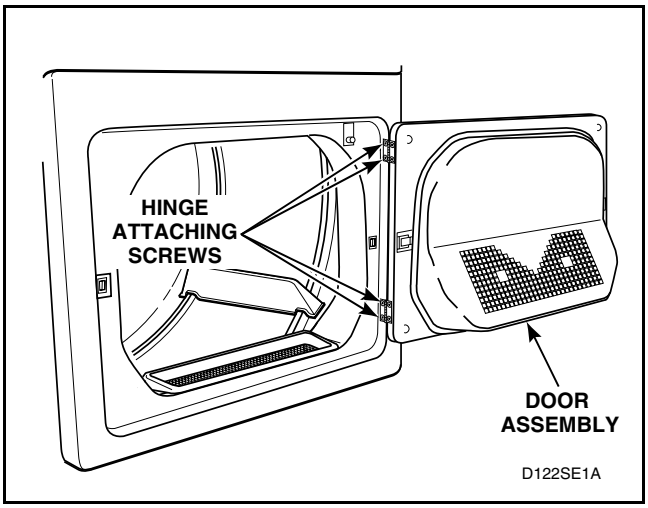


Figure 22

b. Remove screw from door pull and the remaining screws around the door perimeter. Refer to *Figure 23*. Set hinges aside at this time.

c. Remove plastic inner door liner (with the door strike attached) from the metal door panel.

d. Rotate the metal outer door panel 180 degrees.

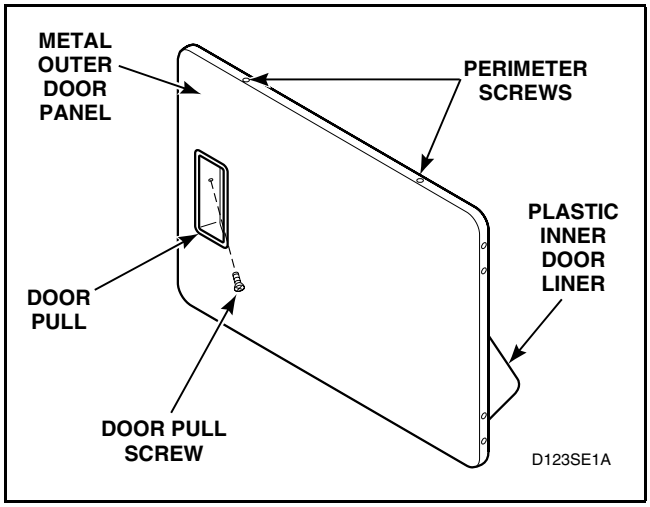


Figure 23

e. Remove door strike from door liner and reinstall strike on opposite side. Refer to *Figure 24*.

NOTE: Door strike must be located on the same side of door as the door pull. Once the door strike is in place, position the inner door liner into the outer door panel.

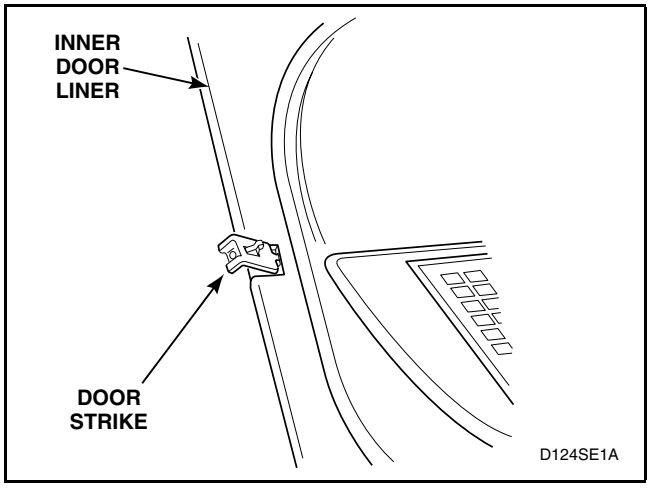


Figure 24

f. Reinstall the two hinges on the side of door opposite of door pull and door strike.

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

NOTE: Screw the hinges onto door with the hinge pin facing the front of the door. Refer to *Figure 25*.

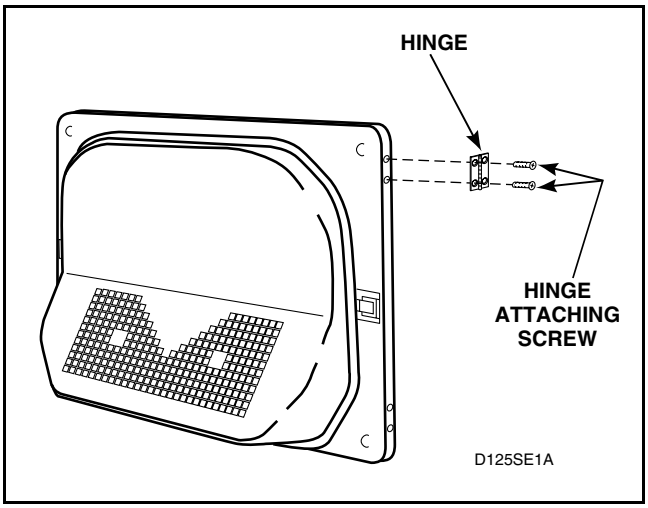


Figure 25

g. Reinstall door pull screw and the remaining screws around the door perimeter.
h. Remove plastic plugs (or screws) from left side of the door opening of the dryer front panel and place them into holes on right side. Refer to *Figure 26*.

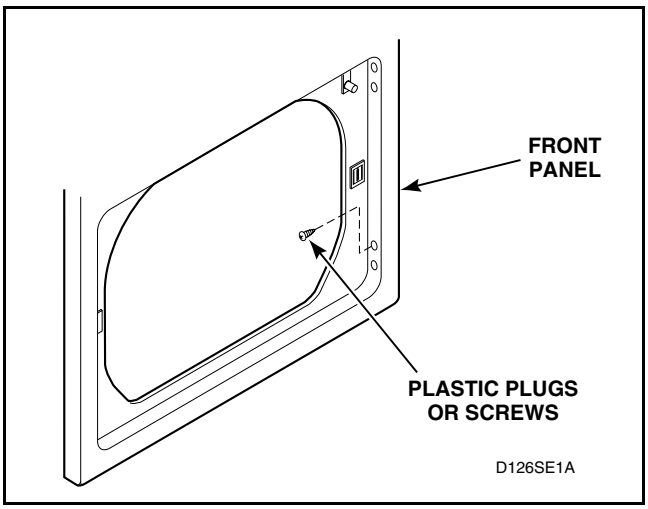


Figure 26

i. While supporting door assembly, secure hinges to front panel using the four remaining screws. Refer to *Figure 27*. Tighten all screws firmly.

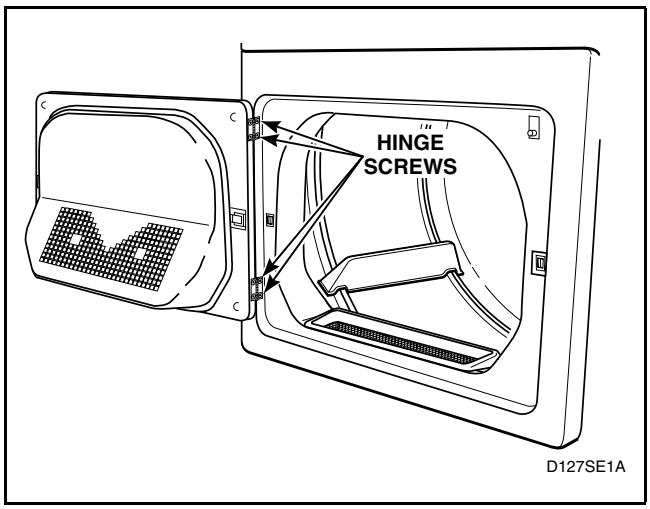


Figure 27

30. INNER AND OUTER DOOR PANELS AND DOOR PULL

a. Remove screws holding loading door assembly and hinge to front panel. Refer to *Figure 21*.
b. Remove screw from door pull and the remaining screws around the door perimeter and separate panels. Refer to *Figure 28*.

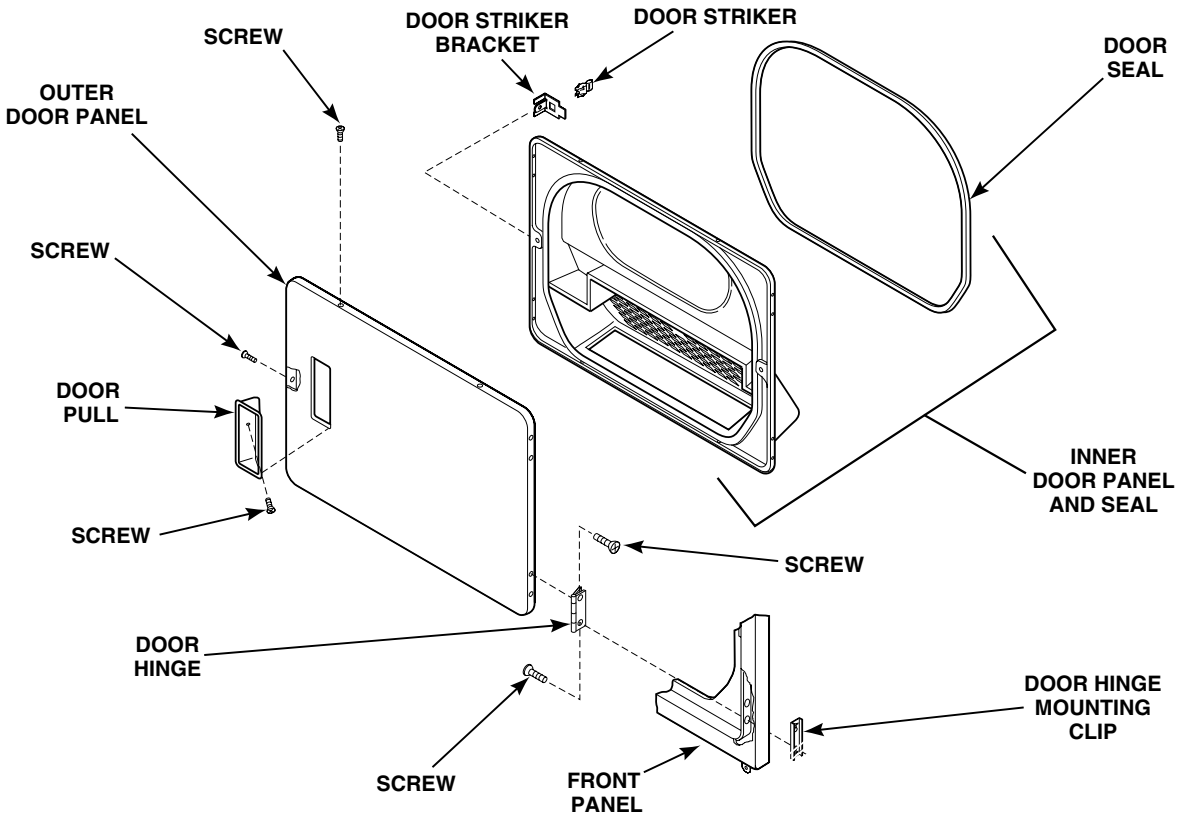
NOTE: All screws are interchangeable except for the screw in the recessed door pull.

IMPORTANT: When reinstalling door pull, DO NOT over-tighten the screw.

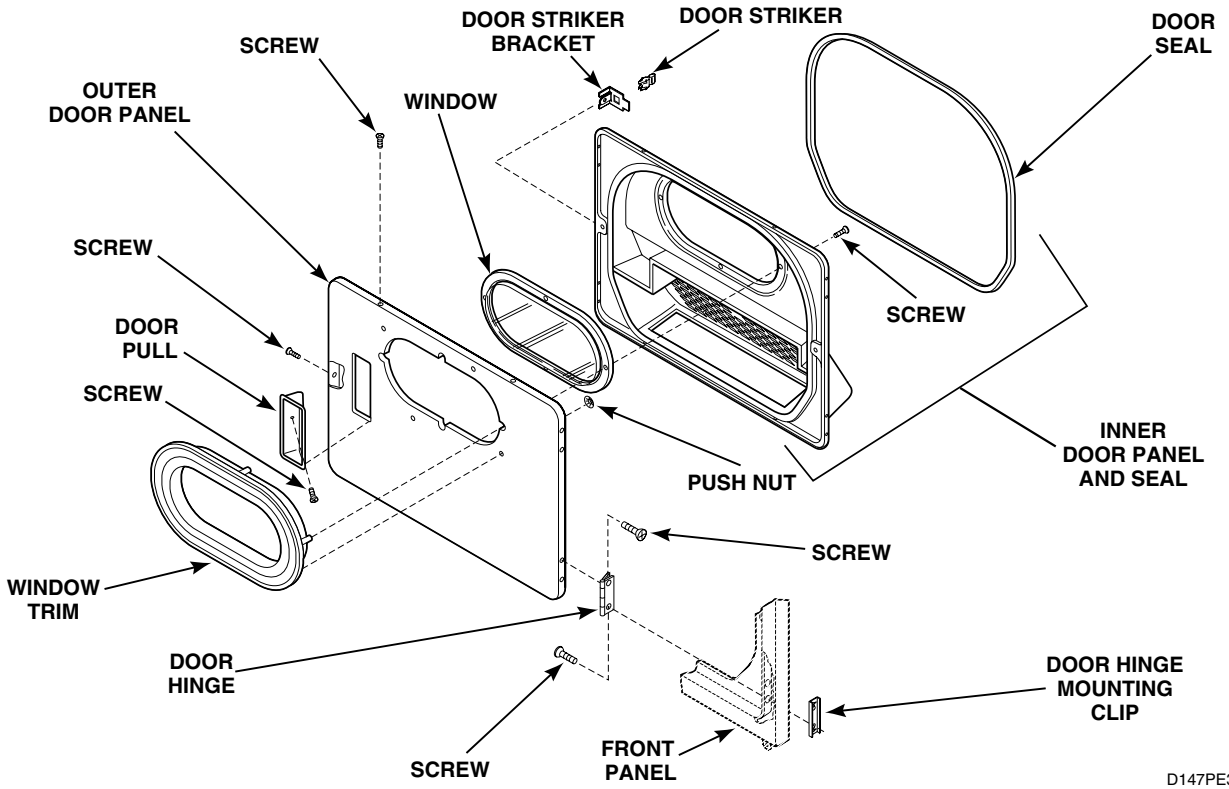
31. DOOR STRIKER

a. Open loading door.
b. Remove screw holding door strike and bracket to loading door and remove striker and bracket. Refer to *Figure 28*.

NOTE: You may have to loosen the two screws on end of door to allow for striker and bracket removal.



LOADING DOOR WITHOUT WINDOW



LOADING DOOR WITH WINDOW

Figure 28

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

32. DOOR SEAL

a. Open loading door.

b. Grasp either end of door seal at bottom of door and remove seal from tabs on inner door panel. Refer to *Figure 29*.

When replacing seal, make sure seal is not stretched or distorted and the groove in the seal is installed on each tab on inner door panel and the split in the seal is at the bottom of the door. Refer to *Figure 29*.

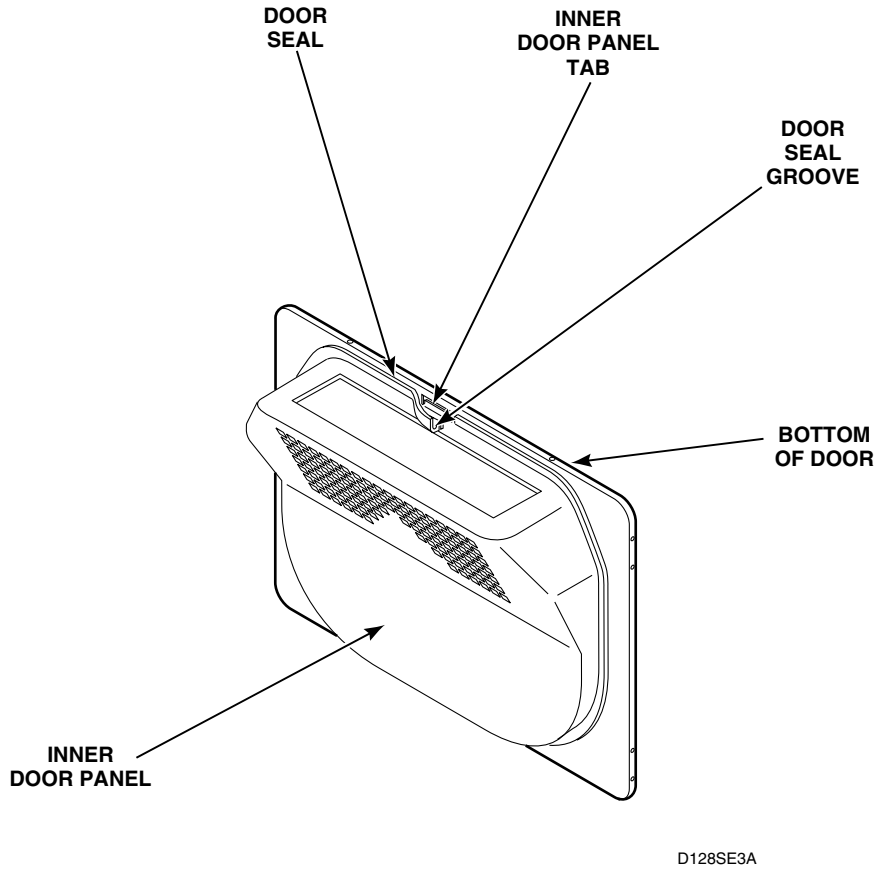


Figure 29

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

33. FRONT PANEL AND PANEL SEAL

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 10*.
b. Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
c. Remove two screws holding bottom tabs on front panel to dryer cabinet. Refer to *Figure 11*. Swing bottom of front panel away from dryer to disengage hold-down clips (upper dryer) and guide lugs from control cabinet or cabinet top (depending on which dryer).
d. Disconnect wires from door switch. Refer to *Figure 12*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

e. Remove front panel seal from flange around inside of door opening. Refer to *Figure 30*.

NOTE: When reinstalling seal, make sure seal is properly positioned on front panel.

34. DOOR SWITCH

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 10*.
b. Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
c. Remove two screws holding bottom tabs on front panel to dryer cabinet. Refer to *Figure 11*. Swing bottom of front panel away from dryer to disengage hold-down clips (upper dryer) and guide lugs from control cabinet or cabinet top (depending on which dryer).
d. Disconnect wires from door switch. Refer to *Figure 12*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

e. Depress tabs on top and bottom of door switch and push switch out of front panel. Refer to *Figure 12*.

To Test Door Switch

1. Remove two screws holding bottom tabs on front panel to dryer cabinet. Refer to *Figure 11*. Swing bottom of front panel away from dryer to disengage hold-down clips (upper dryer) and guide lugs from control cabinet or cabinet top (depending on which dryer).
2. Disconnect wires from door switch. Refer to *Figure 12*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

3. Set meter or read Ohms and apply meter probes on switch terminals 1 and 3 with door closed. You should get “zero” reading.
4. Apply probes to terminals 1 and 2 with door closed. The meter should read “infinite”.
5. Open door. Meter should read “infinite” between 1 and 3 and “zero” between 1 and 2.

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

35. DOOR STRIKER CATCH

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 10*.
b. Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
c. Remove two screws holding bottom tabs on front panel to dryer cabinet. Refer to *Figure 11*. Swing bottom of front panel away from dryer to disengage hold-down clips (upper dryer) and guide lugs from control cabinet or cabinet top (depending on which dryer).
d. Disconnect wires from door switch. Refer to *Figure 12*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

e. Depress tabs on top and bottom of door catch and push catch out of front panel. Refer to *Figure 30*.

36. HOLD-DOWN CLIPS AND GUIDE LUGS (Front Panel)

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 10*.
b. Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
c. Remove two screws holding bottom tabs on front panel to dryer cabinet. Refer to *Figure 11*. Swing bottom of front panel away from dryer to disengage hold-down clips (upper dryer) and guide lugs from control cabinet or cabinet top (depending on which dryer).
d. Disconnect wires from door switch. Refer to *Figure 12*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

e. Compress hold-down clips and remove from slot in top flange of upper front panel.
f. Remove screws holding guide lugs to front panel. Refer to *Figure 30*.

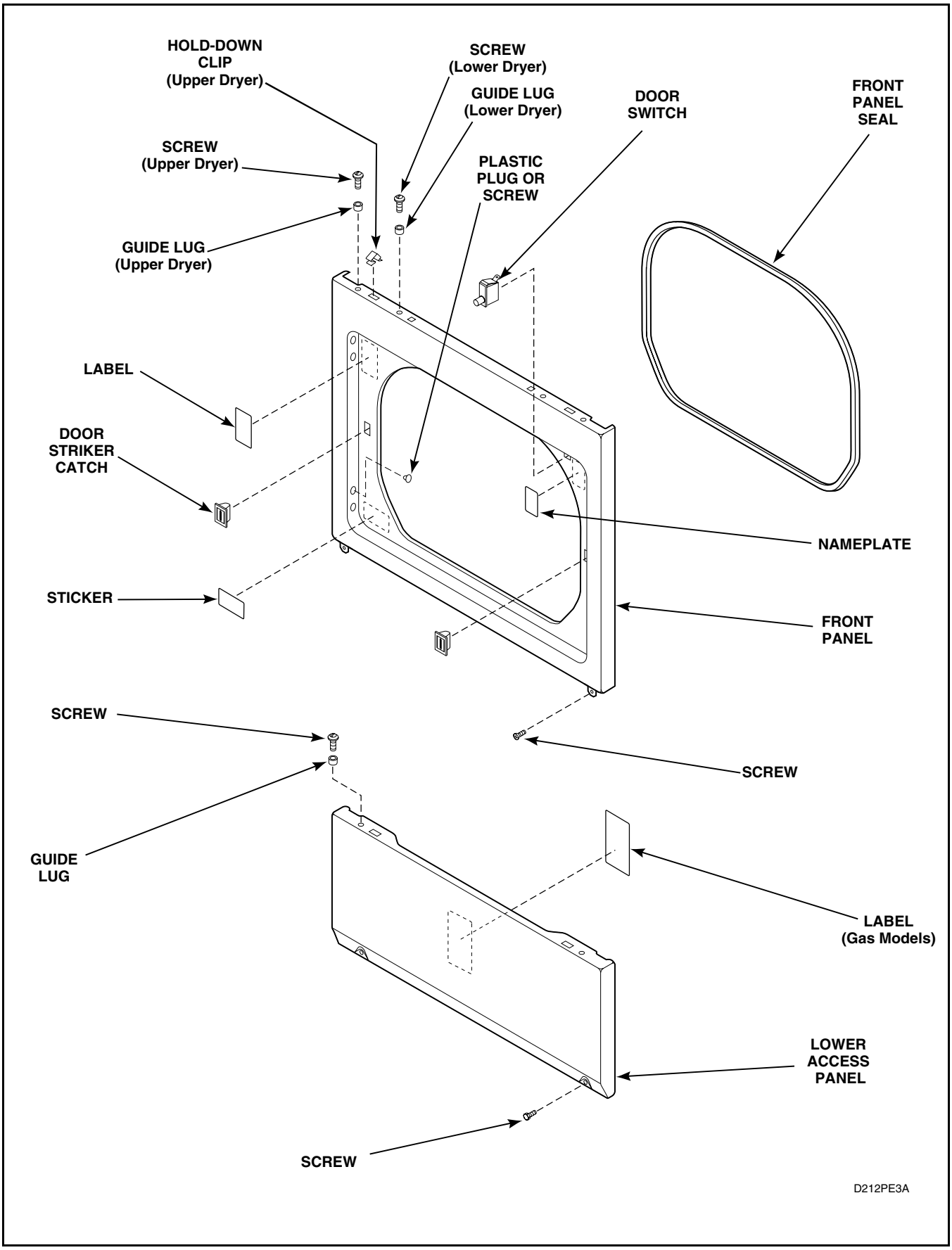


Figure 30

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

37. BURNER SYSTEM OPERATION (Gas Models)

Refer to *Figure 31*

a. **Components**

This burner has four basic components: A silicon carbide (glow bar) igniter, burner tube, sensor, and a two-stage gas valve consisting of a split-coil valve and a secondary coil valve. 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**

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

c. **Burner Circuit**

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

38. IGNITION SYSTEM FEATURES (Gas Models)

Refer to *Figure 31*

a. **Momentary Power Interruption**

Upon resumption of power, sensor contacts will still be open, permitting secondary valve to open. However, with the secondary coil in the circuit, the booster coil cannot draw enough current to open the split-coil valve. 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**

In case of flame failure, the sensor contacts will reclose in about 45 seconds. This will close the secondary valve and the burner system will be in the normal pre-ignition circuit.

c. **Ignition Failure**

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

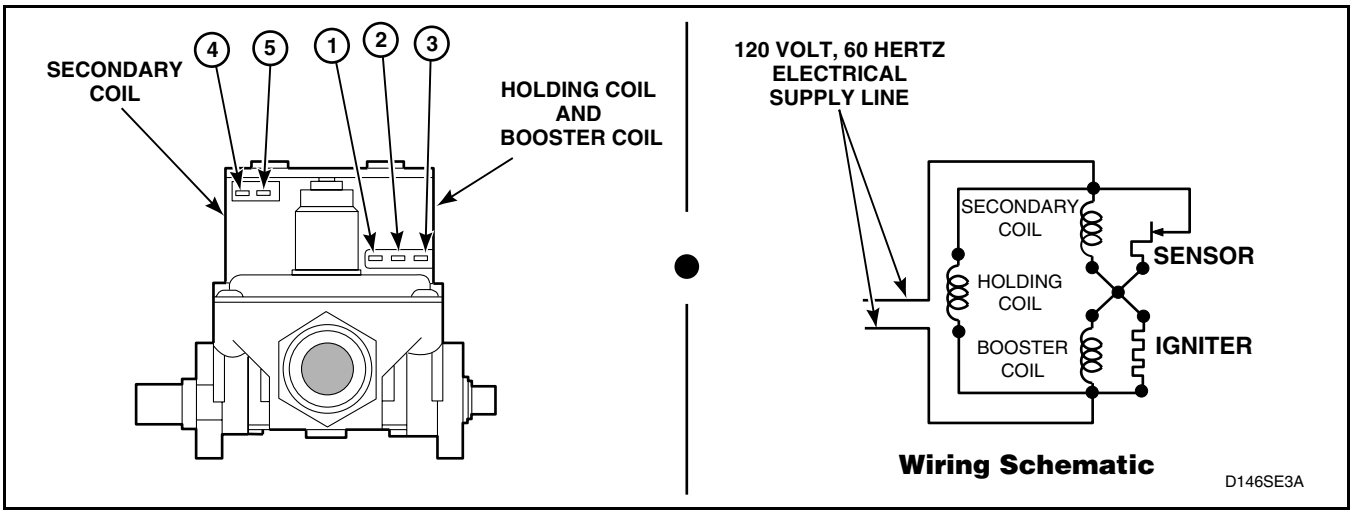


Figure 31

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

39. BURNER SYSTEM COMPONENTS (Gas Models)

a. **Complete Gas Valve Assembly**

(1) While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 10*.

(2) Gently lower the access panel to disengage guide lugs from bottom edge of front panel.

(3) Close gas shut-off valve, disconnect igniter wires at disconnect blocks, sensor wires from sensor terminals, and wires from gas valve coils at the quick disconnect blocks. Refer to *Figure 35*.

(4) Disconnect gas shut-off valve from gas valve at the union nut. Refer to *Figure 32*.

(5) Remove two screws holding valve and mounting bracket to base.

(6) Slide assembly forward, then lift gas valve and mounting bracket from base. Refer to *Figure 32*.

NOTE: When reinstalling gas valve and mounting bracket, tab on rear of mounting bracket must be slid into slot in dryer base.

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

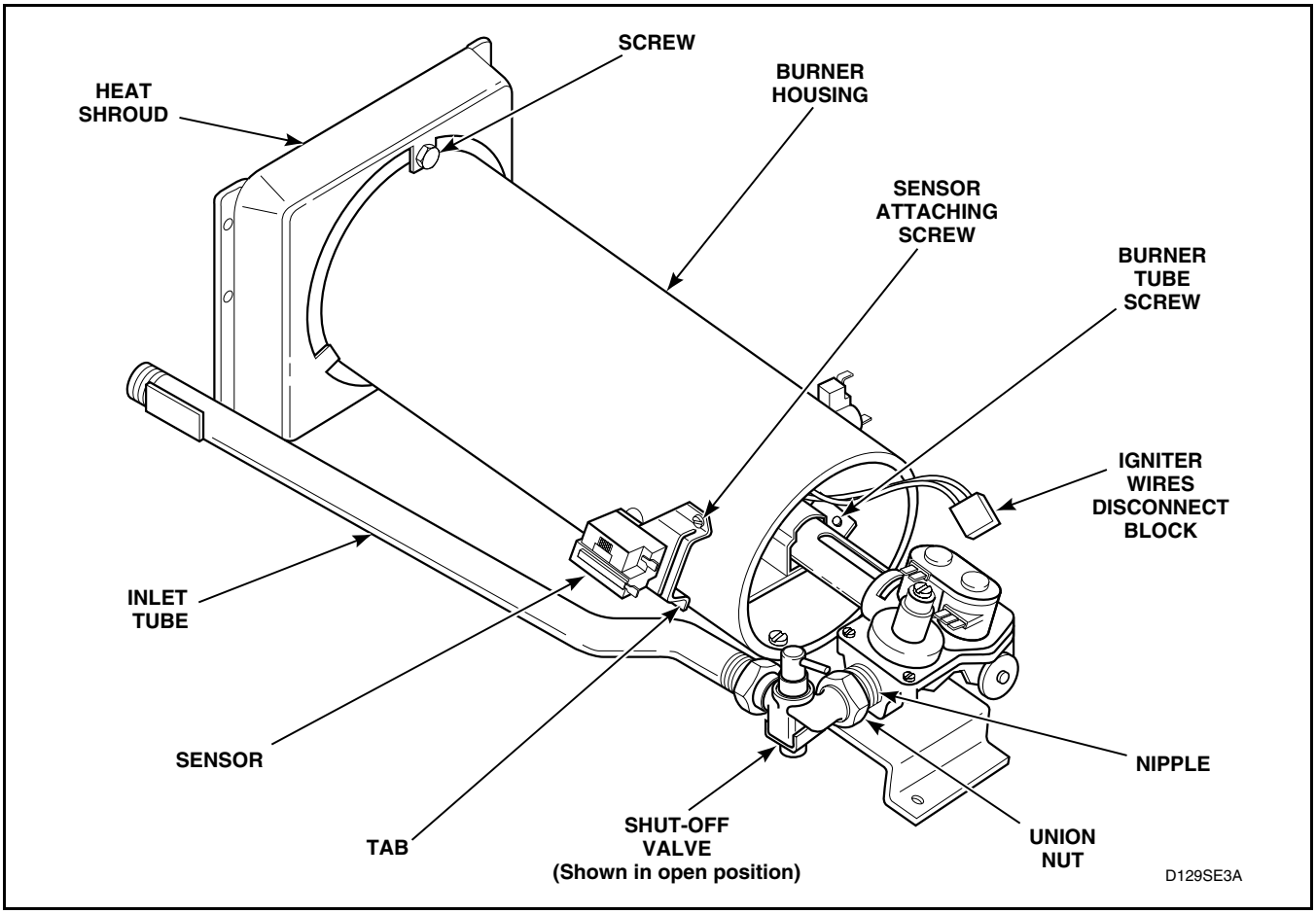


Figure 32

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

To Test Igniter (Gas Models)

1. Disconnect igniter wires at disconnect block. Refer to *Figure 32*.
2. Set test meter to read OHMS and put meter probes on terminals of igniter wires.
3. Meter should register a reading of at least 75 to 800 Ohms. If meter does not read between 75 to 800 Ohms, replace the igniter.

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

NOTE: Test procedures in paragraph 43, 44 and 45 can be performed on workbench if gas valve, igniter, burner tube and burner housing have been removed from dryer.

To Test Electrical Circuit To Ignition System (Gas Models)

1. Remove valve wire harness disconnect block from the holding and booster coil. Refer to *Figure 31*.
2. Plug dryer power cord into wall receptacle, start the dryer in a heat setting (refer to the Operating Instructions supplied with dryer).
3. 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. Refer to *Figure 31*. Meter should register line voltage in all temperature settings, except FLUFF which should read “zero” VAC.
4. If meter does not read line voltage in step “f”, check motor switch, thermostat, temperature switch, accumulator, or timer.

To Test Gas Valve Coils (Gas Models)

1. Remove disconnect blocks from gas valve coils. Refer to *Figure 31*.
2. Set test meter to read OHMS and put meter probes to terminals as follows: Refer to *Figure 33*.
   a. Holding Coil –Terminals 1 and 2 - Meter should read 1365 ± 25 Ohms.
   b. Booster Coil – Terminals 1 and 3 - Meter should read 560 ± 25 Ohms.
   c. Secondary Coil – Terminals 4 and 5 - Meter should read 1220 ± 50 Ohms.

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

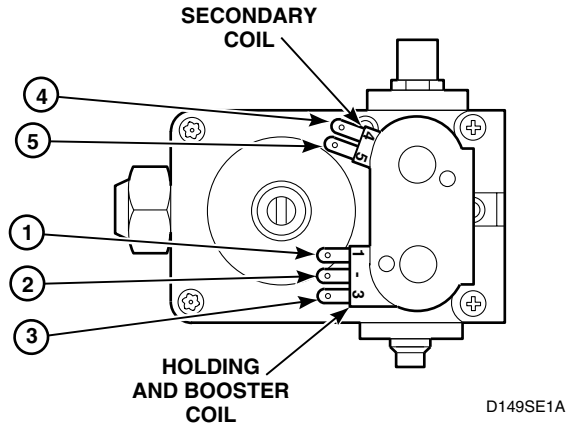


Figure 33

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

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 32*.
(2) Gently move burner tube toward rear of dryer to disengage tab from slot on left side of burner housing. Refer to *Figure 32*.
(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.
(5) Remove screw holding igniter and bracket to burner tube and remove igniter and bracket. Refer to *Figure 34*.

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

IMPORTANT: Handle igniter by grasping the white ceramic portion or bracket 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.

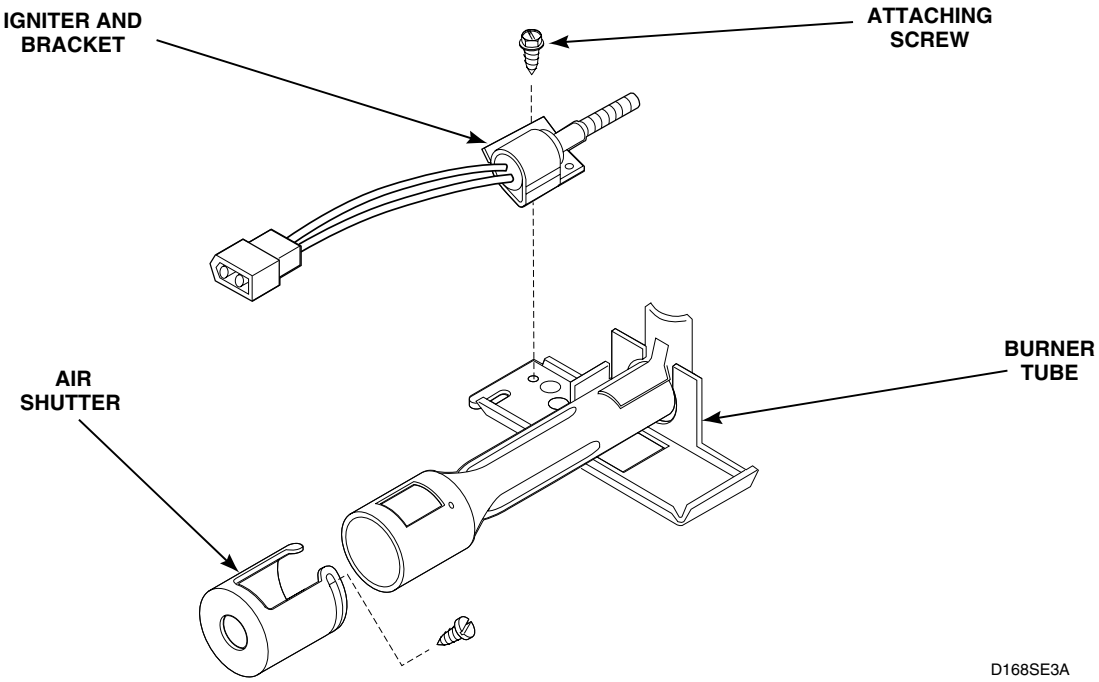


Figure 34

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

c. **Sensor**
   (1) While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 10*.
   (2) Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
   (3) Remove wires from sensor terminals. Refer to *Figure 32*.
   (4) Remove screw holding sensor to burner housing. Refer to *Figure 32*.

To Test Sensor (Gas Models)
1. Remove wires from sensor terminals. Refer to *Figure 32*.
2. 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 (Gas Models)

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 10*.
b. Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
c. Disconnect igniter wires at disconnect blocks, sensor wires from sensor terminals, and wires from gas valve coils at quick disconnect blocks. Refer to *Figure 35*.
d. Remove screw from right side of burner housing holding burner tube in place. Refer to *Figure 35*.
e. Gently move burner tube toward rear of dryer to disengage tab from slot on left side of burner housing. Refer to *Figure 32*.
f. Carefully rotate burner tube and igniter counterclockwise so tab is at 8 o'clock position.
g. Move air shutter end of burner tube slightly to the 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.

h. Remove screw holding burner housing to heat shroud. Refer to *Figure 32*.
i. Remove screw holding front of burner housing to dryer base and remove housing out through front of dryer. Refer to *Figure 35*.
j. Remove two screws holding shroud to heater box and take shroud out through front of dryer.

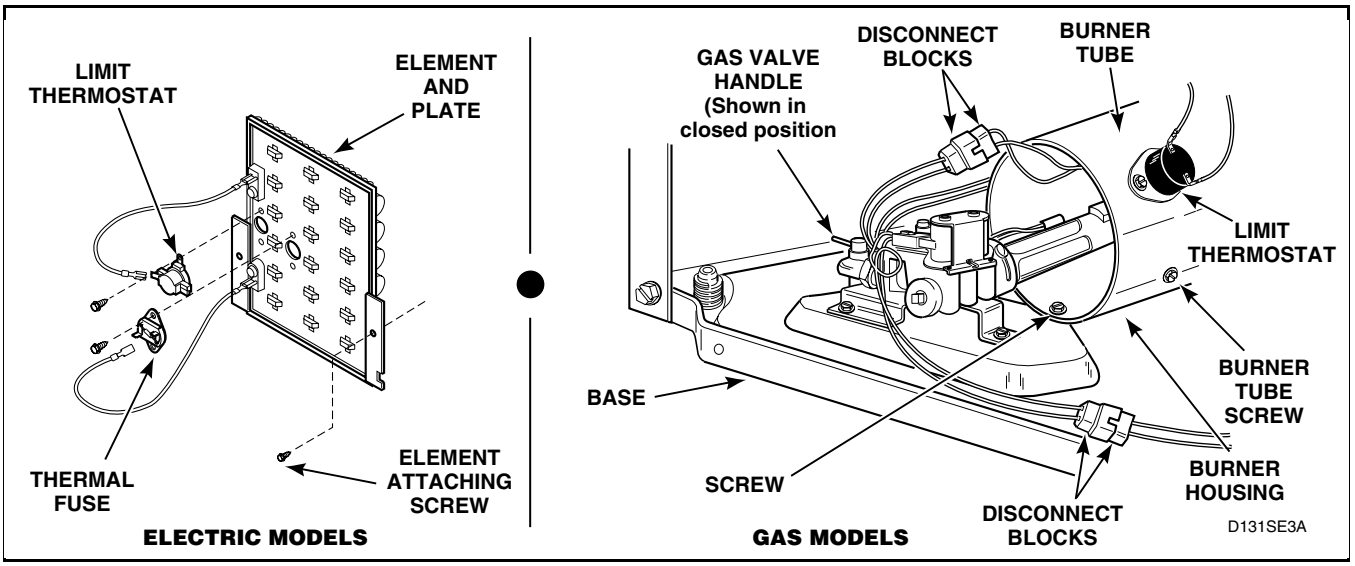


Figure 35

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

41. LIMIT THERMOSTAT

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 10*.
b. Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
c. Disconnect wires and remove screws holding limit thermostat to burner housing or element plate. Refer to *Figure 35*.

To Test Cycling or Limit Thermostat

1. Disconnect wires from thermostat. Refer to *Figure 35* or *Figure 36*.

NOTE: Refer to appropriate wiring diagram when rewiring thermostat.

2. Cycling Thermostat (S.P.S.T.) or Limit Thermostat
   a. Set meter to read OHMS.
   b. Apply meter probes to the thermostat terminals.
   c. Meter should read “infinite”.
3. Cycling Thermostat (S.P.D.T.)
   a. Set meter to read OHMS.
   b. Apply meter probes to terminals 1 and 3. Meter should read “infinite”.
   c. Remove screws holding thermostat to exhaust fan cover. Refer to *Figure 36*.
   d. Heat thermostat with a small flame until a distinct “click” is heard, then immediately apply meter probes to terminals 1 and 3; meter should read “zero”.

42. HEATING ELEMENT (Electric Models)

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 10*.
b. Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
c. Remove two screws holding element and plate to heater box and pull element down and away from heater box. Refer to *Figure 35*.
d. Disconnect wires from element and plate. Refer to *Figure 35*.
e. Remove screws holding thermostat and thermal fuse to element plate. Refer to *Figure 35*.

NOTE: When reassembling, make sure all wire connections are tight on element terminals, thermal fuse and limit thermostat.

To Test Heater Assembly (Electric Models)

1. Disconnect wires from heater assembly. Refer to *Figure 35*.

NOTE: Refer to appropriate wiring diagram when rewiring heater assembly.

2. Set meter to read OHMS. Apply meter probes to the heater assembly terminals. Meter should read as follows: (Cold Ohms)

Color	Voltage/Hz.	Resistance Reading
Red	240 V 60 Hz.	10.39 ± .31 Ohms cold.
White	208 V 60 Hz.	8.2 ± .5 Ohms cold
Green	240 V 50 Hz.	10.75 ± .32 Ohms cold
Yellow	240 V 50 Hz.	13.03 ± .39 Ohms cold
Blue	240 V 50 Hz.	16.7 ± .5 Ohms cold

To Test Thermal Fuse (Electric Models)

1. Disconnect wires from thermal fuse. Refer to *Figure 35*.

NOTE: Refer to appropriate wiring diagram when rewiring thermal fuse.

2. Set meter to read OHMS on the X1 scale. Apply meter probes to thermal fuse terminals. Meter should read “infinite”. If meter does not register any Ohms, replace both the thermal fuse and the limit thermostat.

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

43. THERMOSTAT AND HEATER

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 10*.
b. Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
c. Disconnect wires and remove thermostat attaching screws and remove thermostat and heater. Refer to *Figure 36*.

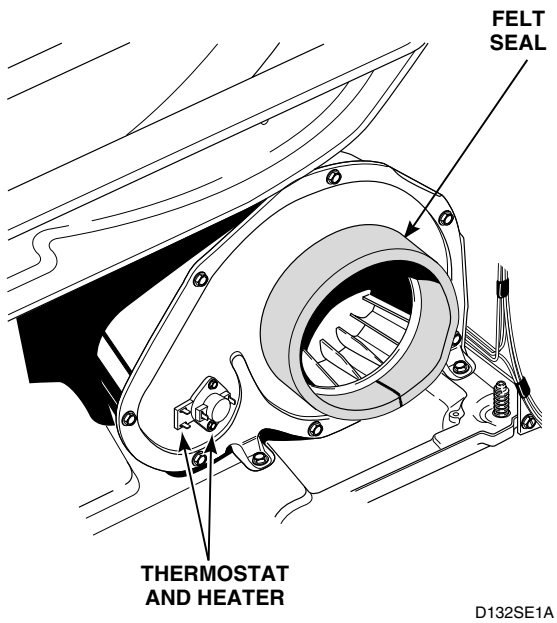


Figure 36

To Test Thermostat Heater

1. Disconnect wires from thermostat heater. Refer to *Figure 36*.

NOTE: Refer to appropriate wiring diagram when rewiring thermostat heater.

2. Set meter to read OHMS. Apply meter probes to the thermostat heater terminals. Meter should read as follows: (Cold Ohms)
   120 Volt, 60 Hz. 1,600 Ohms ± 160 Ohms.
   240 Volt, 50 Hz. 9,600 Ohms ± 960 Ohms.

44. FRONT AIR DUCT

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 10*.
b. Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
c. Open loading door and remove two screws from lint filter and lift filter out of bulkhead. Refer to *Figure 21*.

IMPORTANT: When installing lint filter, make sure to install the filter with the wording on the filter facing the front of the dryer.

d. Remove two screws holding air duct to front bulkhead and remove air duct. Refer to *Figure 37*.

WARNING

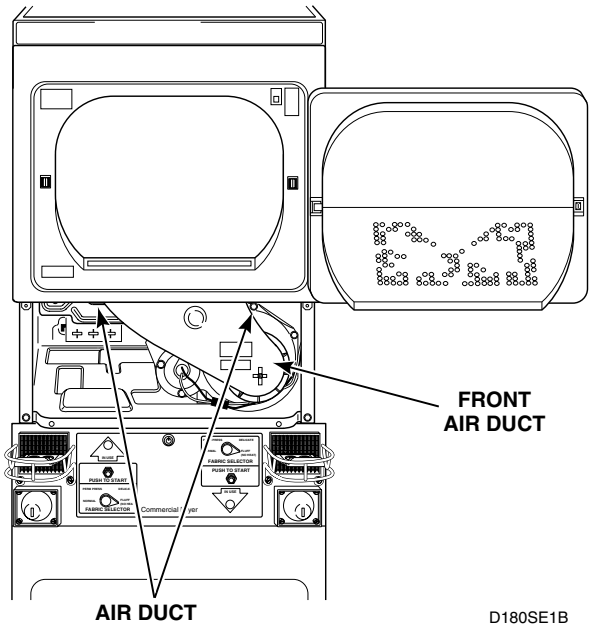
To reduce the risk of serious injury or death by carbon monoxide and other gases in gas dryers, carefully read and follow all instructions given in this section.

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: When reassembling, make sure felt seal on exhaust fan cover makes air tight seal on flange of duct. Refer to *Figure 36* and *Figure 37*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can cause fire and dryer malfunction.



(UPPER DRYER ILLUSTRATED)

Figure 37

45. MOTOR AND EXHAUST ASSEMBLY

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 10*.

b. Gently lower the access panel to disengage guide lugs from bottom edge of front panel.

c. Open loading door and remove two screws from lint filter and lift filter out of bulkhead. Refer to *Figure 21*.

NOTE: When installing lint filter, make sure to install the filter with the wording on the filter facing the front of the dryer.

d. Remove two screws holding air duct to front bulkhead and remove air duct. Refer to *Figure 37*.

WARNING

To reduce the risk of serious injury or death by carbon monoxide and other gases in gas dryers, carefully read and follow all instructions given in this section.

IMPORTANT: When reassembling, make sure felt seal on exhaust fan cover, *Figure 36*, makes air tight seal on flange of duct, *Figure 37*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can cause fire and dryer malfunction.

e. Disconnect wires from thermostat and heater. Refer to *Figure 38*.

NOTE: Refer to appropriate wiring diagram when rewiring thermostat and heater.

f. Remove cylinder belt from idler and motor pulleys. Refer to *Figure 39*.

NOTE: When installing belt, make sure belt is properly installed on motor and idler pulleys, and is on the correct side of the idler lever. Refer to *Figure 39*. Belt must be positioned around cylinder approximately three inches ahead of the rear rib on cylinder with the ribbed surface of the belt against the cylinder. Refer to *Figure 47*. After installing belt, manually rotate cylinder counterclockwise to check that belt is properly aligned.

g. Disengage motor wire harness connection block from motor switch by pressing in on the movable locking tabs (located on each end of the connection block) and pulling away from motor. Refer to *Figure 42*.

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

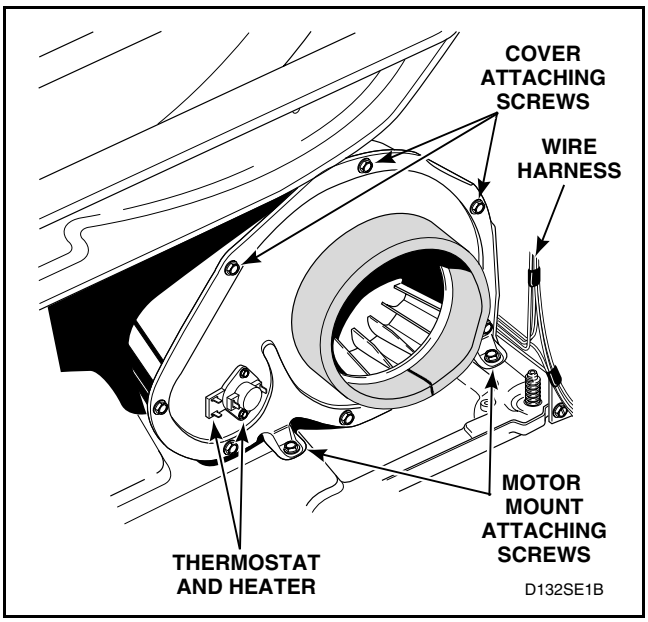


Figure 38

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). Refer to *Figure 38*. Tab on rear of motor mounting bracket must be slid into slot in dryer base. Make sure the belt has been installed on the correct side of the idler lever. Refer to *Figure 39*.

h. Pull assembly forward and disengage the middle exhaust duct.

i. Rotate the motor and exhaust assembly 90° counterclockwise and slide out through front of dryer.

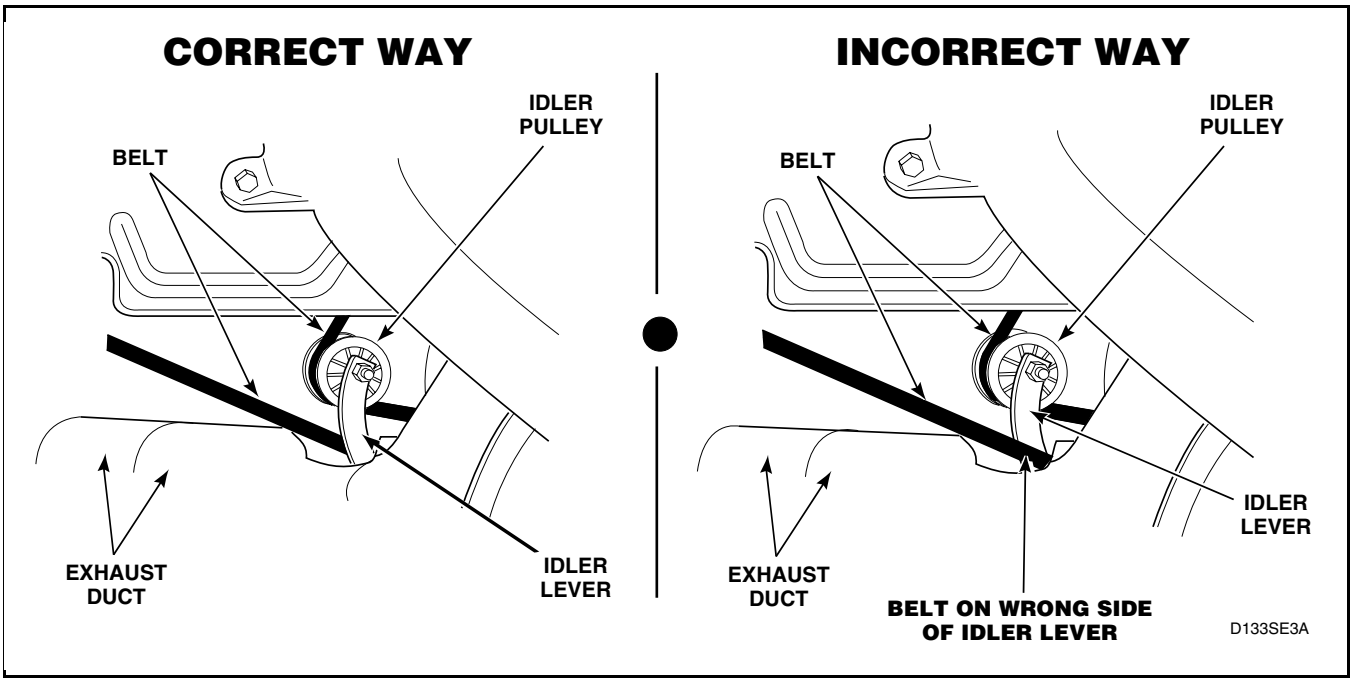


Figure 39

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

j. **Motor pulley and idler pulley assemblies**. Refer to *Figure 40* for motor and idler pulley removal.

NOTE: Use a 7/8 inch socket and unthread motor pulley from motor shaft (left hand thread).

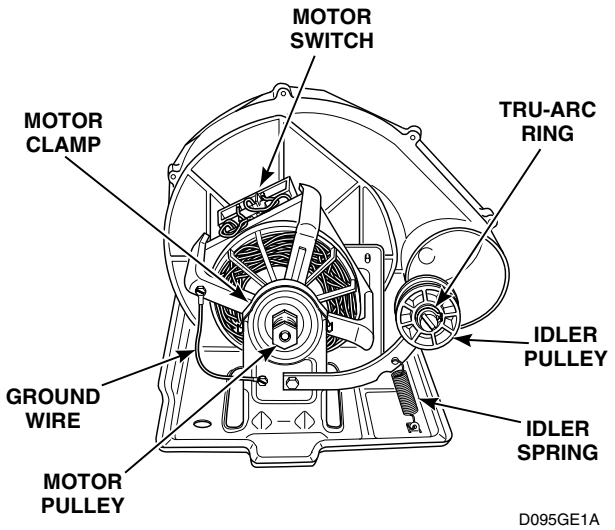


Figure 40

k. **Impeller and housing**
   (1) Remove screws holding cover to housing. Refer to *Figure 38*.
   (2) 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.
   (3) Remove three screws holding the exhaust housing to the motor mounting bracket. Refer to *Figure 41*.

l. **Motor**
   (1) Disengage motor wire harness connection block from the motor by pressing in on the movable locking tabs (located on each side of the connection block) and pulling connection block away from motor. Refer to *Figure 42*.

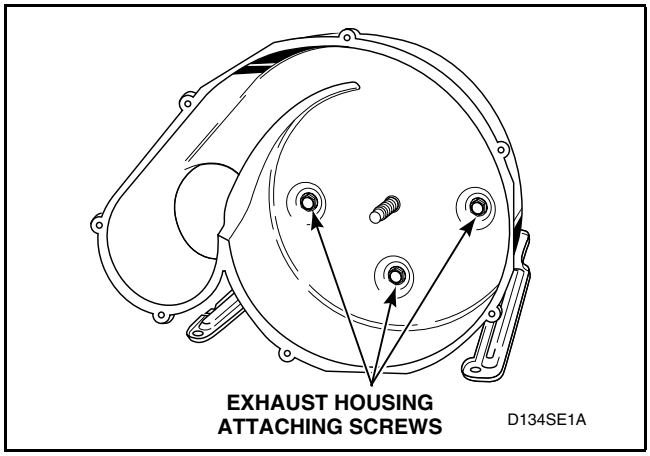


Figure 41

IMPORTANT: To avoid an open circuit, DO NOT pull on the connection block wires when removing blocks from motor as this could damage the wires or terminal crimping.

Before attaching wire harness connection block to motor, make sure all the male terminals on motor are straight and are capable of accepting the terminals from the wire harness connection block.

   (2) Disconnect ground wire from motor. Refer to *Figure 40*.
   (3) Use a screwdriver and pry two motor clamps off motor mounting bracket. Refer to *Figure 40*. Then lift motor out of mounting bracket.

NOTE: When replacing motor, motor switch location should be at 10 o'clock position (viewed from pulley end) with the anti-rotating notch (located on the front and rear cradles) on the motor mounting bracket. Refer to *Figure 40*.

m. **Motor Connection Block Terminals**
   Remove terminals from the motor wire harness connection block using No. 283P4 Terminal Extractor Tool as follows:
   (1) Insert the tool into the block on the back of the terminal being removed. Refer to *Figure 43*.

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

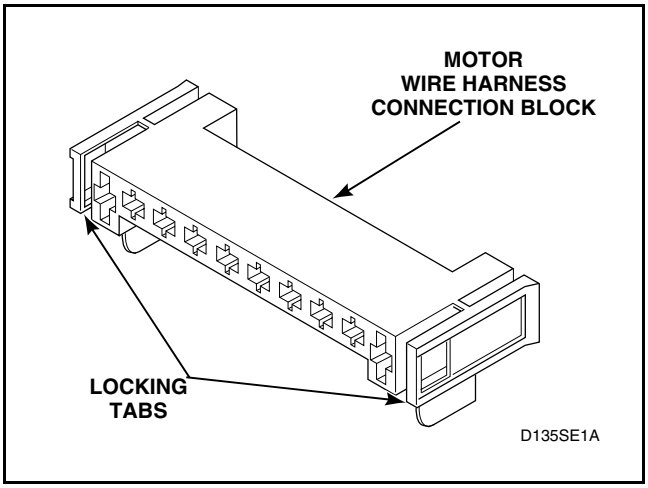


Figure 42

(2) Apply tool pressure to compress the terminal locking tab on terminal and force the terminal and wire out back side of connection block. Refer to *Figure 43*.

To install terminal in connection block, insert terminal (with wire securely crimped in place) into back side of connection block. Push terminal into connection block until locking tab on terminal spreads and holds terminal in place.

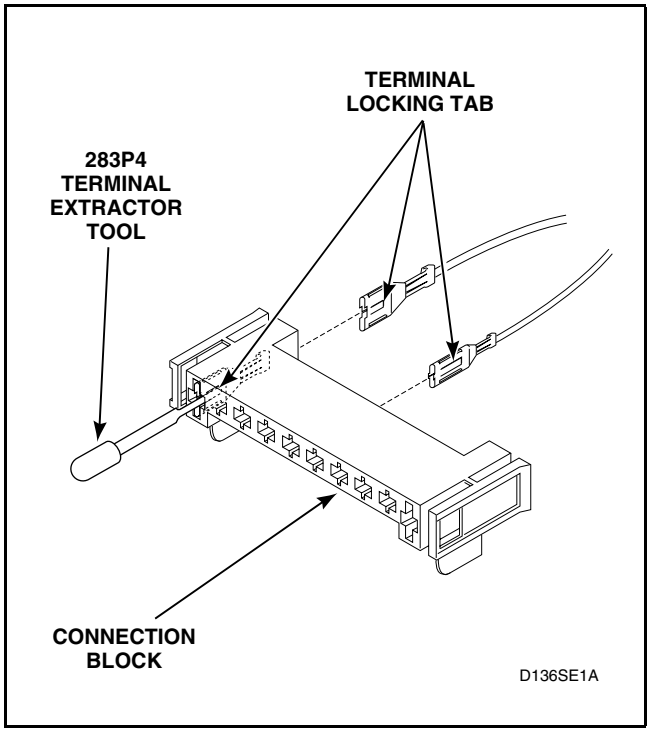


Figure 43

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

To Test Drive Motor

Refer to *Figure 44*

1. Remove motor and exhaust assembly.
2. Disconnect motor wire harness at motor connection block.

NOTE: Refer to appropriate wiring diagram when rewiring motor switch. (continued)

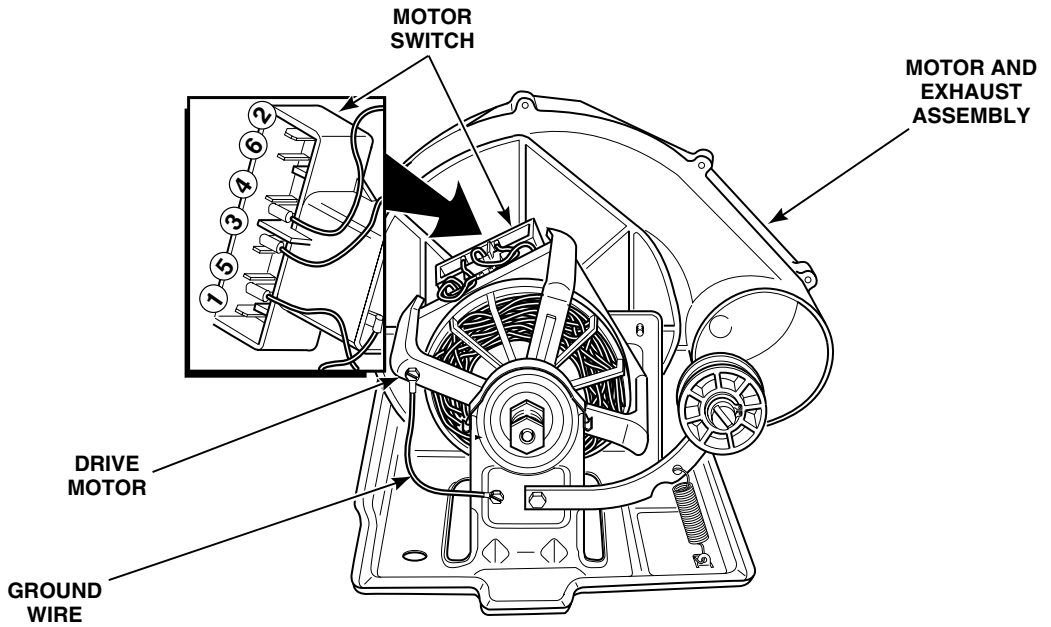


Figure 44

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

To Test Drive Motor: (continued)

3. Emerson Motor Switch (Refer to SECTION VI for Internal Wiring of the Dryer Motor Switch.)

START TERMINALS

NOTE: Disconnect yellow wire from motor switch before testing start terminals.

A. Continuity exists between switch terminal 5 and black wire. — NO → Inoperative start switch. Replace switch.

YES

B. Manually depress actuator. Continuity broken between switch terminal 5 and black wire. — NO → Inoperative start switch. Replace switch.

YES

RUN TERMINALS

NOTE: Reconnect yellow wire to motor switch before testing run terminals.

C. Continuity broken between switch terminal 6 and yellow wire. — NO → Inoperative start switch. Replace switch.

YES

D. Manually depress actuator. Continuity exists between switch terminal 6 and yellow wire. — NO → Inoperative start switch. Replace switch.

YES

HEATER CIRCUIT TERMINALS

E. Continuity broken between switch terminal 1 and switch terminal 2. — NO → Inoperative start switch. Replace switch.

YES

F. Manually depress actuator. Continuity exists between switch terminal 1 and switch terminal 2. — NO → Inoperative start switch. Replace switch.

YES

Motor switch checks OK.

(continued)

WARNING

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

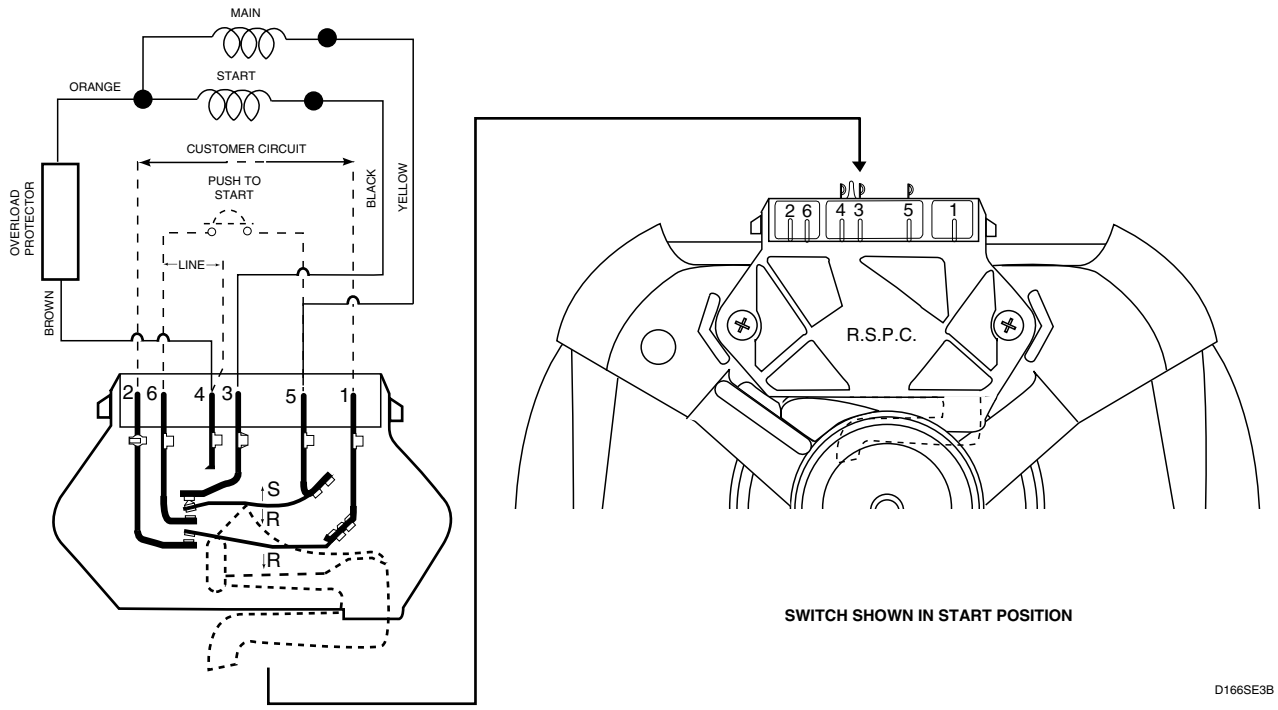
- **Disconnect electric power to the dryer(s) before servicing.**
- **Close gas shut-off valve to gas dryer(s) before servicing.**
- **Never start the dryer(s) with any guards/panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that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

W001R1

To Test Drive Motor: (continued)

4. Emerson Motor Windings. (Refer to SECTION VI for Internal Wiring of the Dryer Motor Switch.)

START WINDING	G.1-2 Ohms between black wire and orange wire.	NO	Inoperative run winding. Replace motor.
	YES		
RUN WINDING	H.1-2 Ohms between yellow wire and orange wire.	NO	Inoperative run winding. Replace motor.
	YES		
PROTECTOR	I. Continuity exists between orange wire and brown wire.	NO	Inoperative run winding. Replace motor.
	YES		
	All motor windings check OK.		



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

46. FRONT BULKHEAD ASSEMBLY

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 10*.

b. Gently lower the access panel to disengage guide lugs from bottom edge of front panel.

c. Remove two screws holding bottom tabs on front panel to dryer cabinet. Refer to *Figure 11*. Swing bottom of front panel away from dryer to disengage hold-down clips (upper dryer) and guide lugs from control cabinet or cabinet top (depending on which dryer).

d. Disconnect wires from door switch. Refer to *Figure 12*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

e. Disengage belt from motor and idler pulleys. Refer to *Figure 39*.

NOTE: When installing belt, make sure belt is properly installed on motor and idler pulleys, and is on the correct side of the idler lever. Refer to *Figure 39*. Belt must be positioned around cylinder approximately three inches ahead of the rear rib on cylinder with the ribbed surface of the belt against the cylinder. Refer to *Figure 47*. After installing belt, manually rotate cylinder counterclockwise to check that belt is properly aligned.

f. Remove four screws holding bulkhead to front flange of cabinet. Refer to *Figure 45*. Lift complete bulkhead assembly out of slots in cabinet.

NOTE: When reassembling the front bulkhead to the cabinet, hold glides in position with finger tips on the edges of glides. Once bulkhead is in place, inspect the glide position with a mirror to insure the glides are aligned with the cylinder, making sure the tabs are visible. Refer to *Figure 46*.

WARNING

To reduce the risk of serious injury or death by carbon monoxide and other gases in gas dryers, carefully read and follow all instructions given in this section.

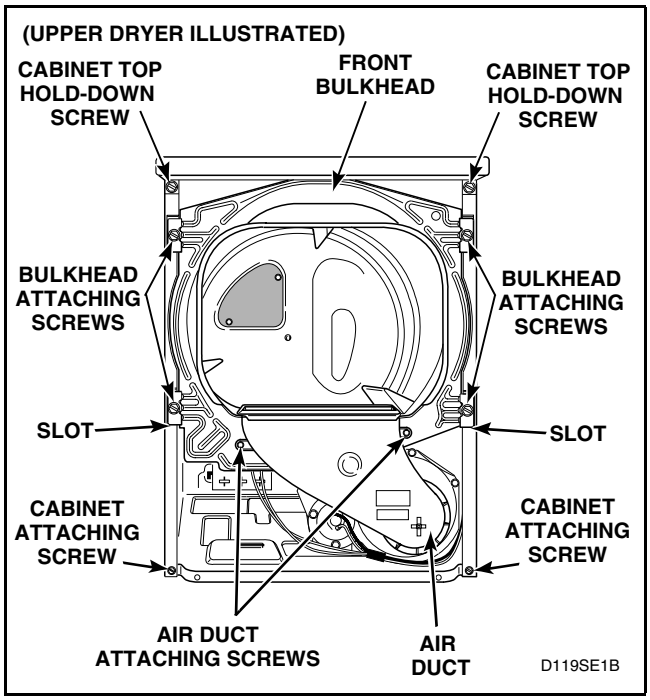


Figure 45

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

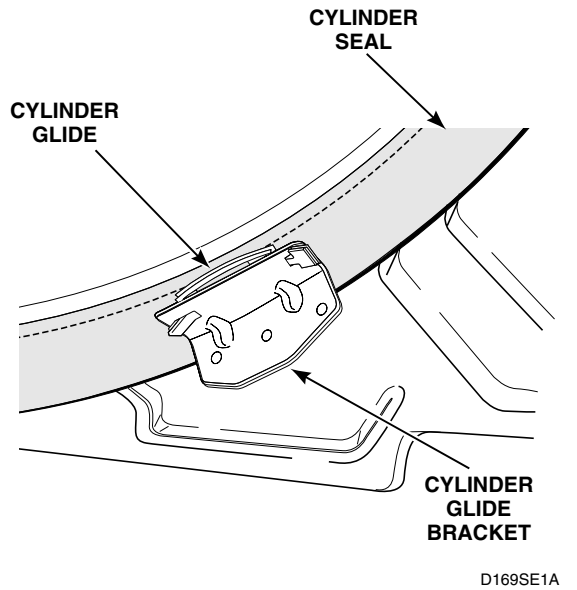


Figure 46

IMPORTANT: When reassembling, make sure felt seal on exhaust fan cover makes airtight seal on flange of duct. Refer to *Figure 36* and *Figure 37*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can cause fire and dryer malfunction.

g. **Cylinder glides and pads** (Refer to *Figure 46*) Unsnap glides from each glide bracket and remove glides and pads.
h. **Front cylinder seal** (Refer to *Figure 46*) Cylinder seal is cemented to the bulkhead.

IMPORTANT: The replacement seal can be adhered to the bulkhead using No. 22506P Sealant. This is accomplished by applying a bead of sealant around the entire flanged area where the felt seal contacts the bulkhead.

47. CYLINDER BELT

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 10*.
b. Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
c. Remove two screws holding bottom tabs on front panel to dryer cabinet. Refer to *Figure 11*. Swing bottom of front panel away from dryer to disengage hold-down clips (upper dryer) and guide lugs from control cabinet or cabinet top (depending on which dryer).
d. Disconnect wires from door switch. Refer to *Figure 12*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

e. Disengage belt from motor and idler pulleys. Refer to *Figure 39*.
f. Remove four screws holding bulkhead to front flange of cabinet and lift complete bulkhead assembly out of slots in cabinet. Refer to *Figure 45*.

NOTE: When reassembling the front bulkhead to the cabinet, hold glides in position with finger tips on the edges of glides. Once bulkhead is in place, inspect the glide position with a mirror to ensure the glides are aligned with the cylinder, making sure the tabs are visible. Refer to *Figure 46*.

WARNING

To reduce the risk of serious injury or death by carbon monoxide and other gases in gas dryers, carefully read and follow all instructions given in this section.

W005

IMPORTANT: During reinstallation of front bulkhead, make sure that air duct is properly positioned with the flange inside of the felt seal on the exhaust fan cover. Refer to *Figure 36*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can cause fire and dryer malfunction.

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

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

NOTE: When installing belt, make sure belt is properly installed on motor and idler pulleys, and is on the correct side of the idler lever. Refer to *Figure 39*. Belt must be positioned around cylinder approximately three inches ahead of the rear rib on cylinder with the ribbed surface of the belt against cylinder. Refer to *Figure 47*. After installing belt, manually rotate cylinder counterclockwise to check that belt is properly aligned.

48. CYLINDER ASSEMBLY

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 10*.

b. Gently lower the access panel to disengage guide lugs from bottom edge of front panel.

c. Remove two screws holding bottom tabs on front panel to dryer cabinet. Refer to *Figure 11*. Swing bottom of front panel away from dryer to disengage hold-down clips (upper dryer) and guide lugs from control cabinet or cabinet top (depending on which dryer).

d. Disconnect wires from door switch. Refer to *Figure 12*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

e. Disengage belt from motor and idler pulleys. Refer to *Figure 39*.

NOTE: When installing belt, make sure belt is properly installed on motor and idler pulleys, and is on the correct side of the idler lever. Refer to *Figure 39*. Belt must be positioned around cylinder approximately three inches ahead of the rear rib on cylinder with the ribbed surface of the belt against cylinder. Refer to *Figure 47*. After installing belt, manually rotate cylinder counterclockwise to check that belt is properly aligned.

f. Remove four screws holding bulkhead to front flange of cabinet and lift complete bulkhead assembly out of slots in cabinet. Refer to *Figure 45*.

NOTE: When reassembling the front bulkhead to the cabinet, hold glides in position with finger tips on the edges of glides. Once bulkhead is in place, inspect the glide position with a mirror to ensure the glides are aligned with the cylinder, making sure the tabs are visible. Refer to *Figure 46*.

WARNING

To reduce the risk of serious injury or death by carbon monoxide and other gases in gas dryers, carefully read and follow all instructions given in this section.

W005

IMPORTANT: During reinstallation of front bulkhead, make sure that air duct is properly positioned with the flange inside of the felt seal on the exhaust fan cover. Refer to *Figure 36*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can cause fire and dryer malfunction.

g. Loosen two cabinet top hold-down screw. Refer to *Figure 45*.

h. Manually rotate cylinder until one of the baffles is at the 6 o'clock position and carefully remove cylinder out through front of dryer.

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

i. **Baffles**
Remove screws holding baffles to cylinder. Refer to *Figure 47*.

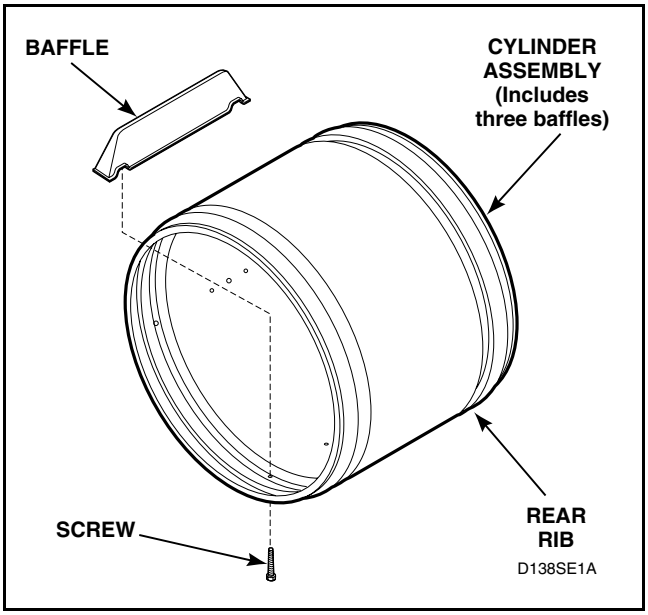


Figure 47

49. REAR SEAL

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 10*.
b. Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
c. Remove two screws holding bottom tabs on front panel to dryer cabinet. Refer to *Figure 11*. Swing bottom of front panel away from dryer to disengage hold-down clips (upper dryer) and guide lugs from control cabinet or cabinet top (depending on which dryer).
d. Disconnect wires from door switch. Refer to *Figure 12*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

e. **Cabinet top - Upper Dryer:**
(1) Remove two cabinet top hold-down screws. Refer to *Figure 45*.
(2) Raise front of cabinet top hinging it on the rear hinges. Refer to *Figure 20*.

NOTE: When servicing, cabinet top may be raised and hinged on the rear hinges, or supported against the wall behind the dryer.

f. Disengage belt from motor and idler pulleys. Refer to *Figure 39*.

NOTE: When installing belt, make sure belt is properly installed on motor and idler pulleys, and is on the correct side of the idler lever. Refer to *Figure 39*. Belt must be positioned around cylinder approximately three inches ahead of the rear rib on cylinder with the ribbed surface of the belt against cylinder. Refer to *Figure 47*. After installing belt, manually rotate cylinder counterclockwise to check that belt is properly aligned.

g. Remove four screws holding bulkhead to front flange of cabinet and lift complete bulkhead assembly out of slots in cabinet. Refer to *Figure 45*.

NOTE: When reassembling the front bulkhead to the cabinet, hold glides in position with finger tips on the edges of glides. Once bulkhead is in place, inspect the glide position with a mirror to ensure the glides are aligned with the cylinder, making sure the tabs are visible. Refer to *Figure 46*.

WARNING

To reduce the risk of serious injury or death by carbon monoxide and other gases in gas dryers, carefully read and follow all instructions given in this section.

W005

IMPORTANT: During reinstallation of front bulkhead, make sure that air duct is properly positioned with the flange inside of the felt seal on the exhaust fan cover. Refer to *Figure 36*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can cause fire and dryer malfunction.

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

h. Manually rotate cylinder until one of the baffles is at the 6 o'clock position and carefully remove cylinder out through front of dryer.

i. Pull rear cylinder seal from flanged edge of bulkhead. Refer to *Figure 48*.

IMPORTANT: The replacement seal can be adhered to the bulkhead using No. 22506P Sealant. This is accomplished by applying a bead of sealant around the entire flanged area where the felt seal contacts the bulkhead.

50. CYLINDER ROLLERS

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 10*.

b. Gently lower the access panel to disengage guide lugs from bottom edge of front panel.

c. Remove two screws holding bottom tabs on front panel to dryer cabinet. Refer to *Figure 11*. Swing bottom of front panel away from dryer to disengage hold-down clips (upper dryer) and guide lugs from control cabinet or cabinet top (depending on which dryer).

d. Disconnect wires from door switch. Refer to *Figure 12*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

e. Disengage belt from motor and idler pulleys. Refer to *Figure 39*.

NOTE: When installing belt, make sure belt is properly installed on motor and idler pulleys, and is on the correct side of the idler lever. Refer to *Figure 39*. Belt must be positioned around cylinder approximately three inches ahead of rear rib on cylinder with the ribbed surface of the belt against cylinder. Refer to *Figure 47*. After installing belt, manually rotate cylinder counterclockwise to check that belt is properly aligned.

f. Remove four screws holding bulkhead to front flange of cabinet and lift complete bulkhead assembly out of slots in cabinet. Refer to *Figure 45*.

NOTE: When reassembling the front bulkhead to the cabinet, hold glides in position with finger tips on the edges of glides. Once bulkhead is in place, inspect the glide position with a mirror to ensure the glides are aligned with the cylinder, making sure the tabs are visible. Refer to *Figure 46*.

WARNING

To reduce the risk of serious injury or death by carbon monoxide and other gases in gas dryers, carefully read and follow all instructions given in this section.

W005

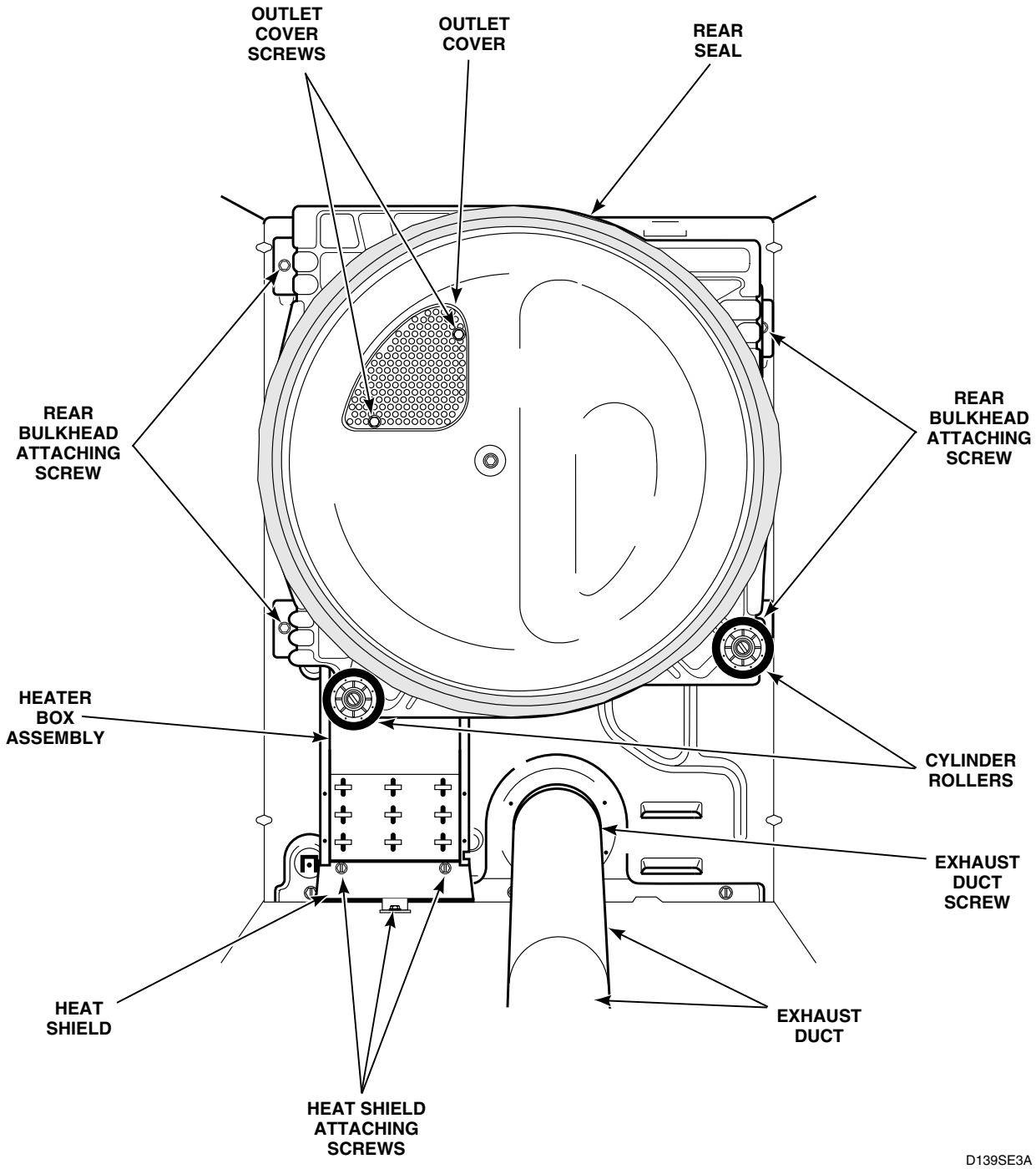
IMPORTANT: During reinstallation of front bulkhead, make sure that air duct is properly positioned with the flange inside of the felt seal on the exhaust fan cover. Refer to *Figure 36*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can cause fire and dryer malfunction.

g. Pull cylinder forward allowing rear of cylinder to drop down exposing rollers. Refer to *Figure 49*.

h. Refer to *Figure 49* for removal of roller from bulkhead.

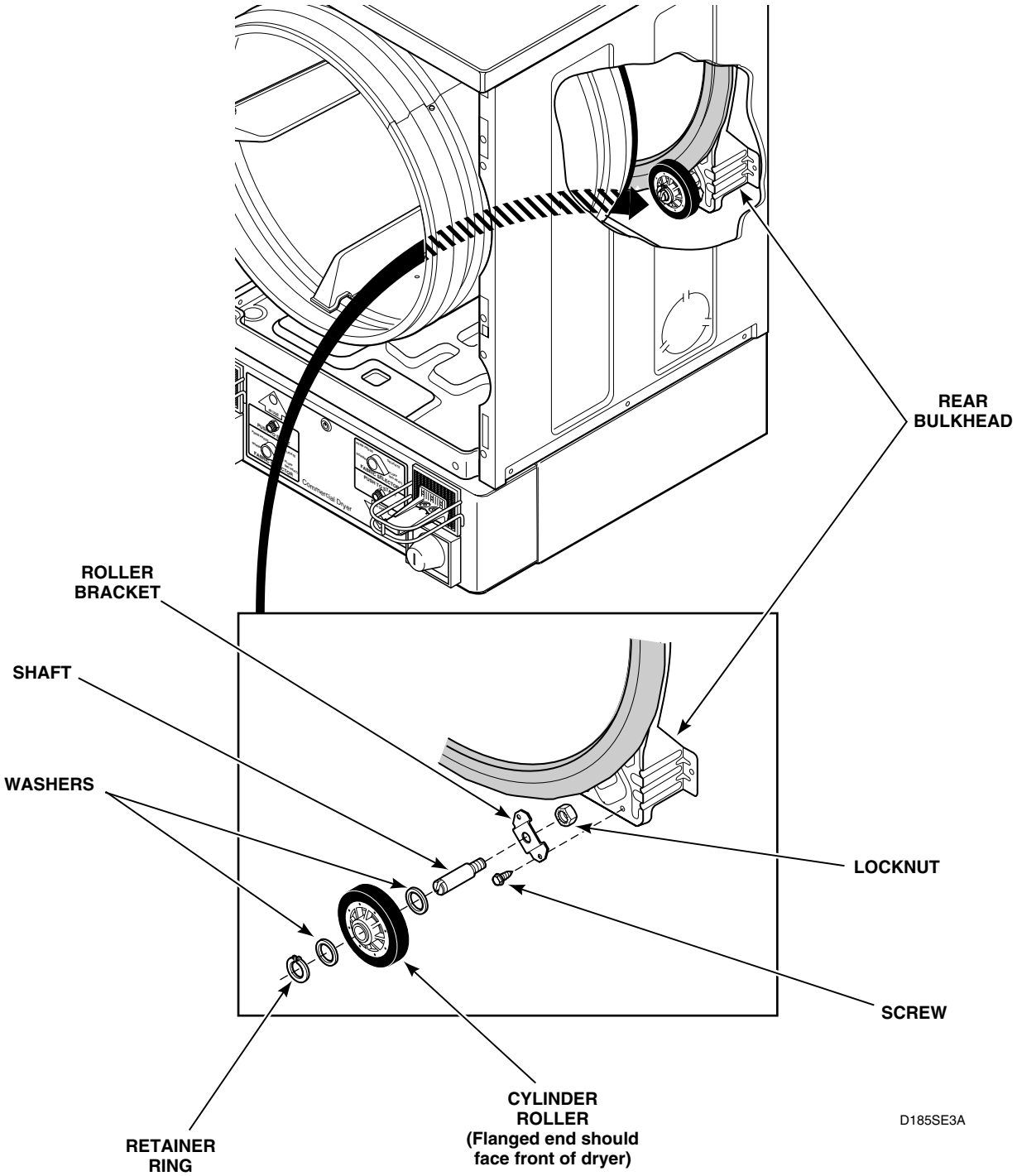
51. OUTLET COVER

Open door and remove two screws holding outlet cover to rear bulkhead. Refer to *Figure 48*.



REAR BULKHEAD

Figure 48



CYLINDER ROLLER

Figure 49

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

52. REAR BULKHEAD AND HEATER BOX ASSEMBLIES

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 10*.

b. Gently lower the access panel to disengage guide lugs from bottom edge of front panel.

c. Remove two screws holding bottom tabs on front panel to dryer cabinet. Refer to *Figure 11*. Swing bottom of front panel away from dryer to disengage hold-down clips (upper dryer) and guide lugs from control cabinet or cabinet top (depending on which dryer).

d. Disconnect wires from door switch. Refer to *Figure 12*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

e. Disengage belt from motor and idler pulleys. Refer to *Figure 39*.

NOTE: When installing belt, make sure belt is properly installed on motor and idler pulleys, and is on the correct side of the idler lever. Refer to *Figure 39*. Belt must be positioned around cylinder approximately three inches ahead of rear rib on cylinder with the ribbed surface of the belt against cylinder. Refer to *Figure 47*. After installing belt, manually rotate cylinder counterclockwise to check that belt is properly aligned.

f. Remove four screws holding bulkhead to front flange of cabinet and lift complete bulkhead assembly out of slots in cabinet. Refer to *Figure 45*.

NOTE: When reassembling the front bulkhead to the cabinet, hold glides in position with finger tips on the edges of glides. Once bulkhead is in place, inspect the glide position with a mirror to ensure the glides are aligned with the cylinder, making sure the tabs are visible. Refer to *Figure 46*.

WARNING

To reduce the risk of serious injury or death by carbon monoxide and other gases in gas dryers, carefully read and follow all instructions given in this section.

W005

IMPORTANT: During reinstallation of front bulkhead, make sure that air duct is properly positioned with the flange inside of the felt seal on the exhaust fan cover. Refer to *Figure 36*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can cause fire and dryer malfunction.

g. Loosen two cabinet top hold-down screw. Refer to *Figure 45*.

h. Manually rotate cylinder until one of the baffles is at the 6 o'clock position and carefully remove cylinder out through front of dryer.

i. **Gas models**:

(1) Disconnect igniter wires at disconnect blocks, sensor wires from sensor terminals, and wires from gas valve coils at the quick disconnect blocks. Refer to *Figure 35*.

(2) Remove screw from right side of burner housing, holding burner tube in place. Refer to *Figure 35*.

(3) Gently move burner tube toward rear of dryer to disengage tab from slot on left side of burner housing. Refer to *Figure 32*.

(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. Refer to *Figure 32*.

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

(7) Remove screw holding front of burner housing to dryer base and remove housing out through front of dryer. Refer to *Figure 35*.

(8) Remove four screws holding shroud to heater box and remove shroud out through front of dryer. Refer to *Figure 32*.

j. **Electric models**:
Remove two screws holding element and plate to heater box, then pull element down and away from heater box. Refer to *Figure 35*.

k. Remove screw holding heat shield to dryer base. Refer to *Figure 48*.

l. While supporting bulkhead, remove the four screws holding rear bulkhead to dryer cabinet, then lift complete assembly out of dryer. Refer to *Figure 48*.

m. Remove two screws holding heat shield to heater box. Refer to *Figure 48*.

n. To remove heater box from rear bulkhead, refer to *Figure 50*.

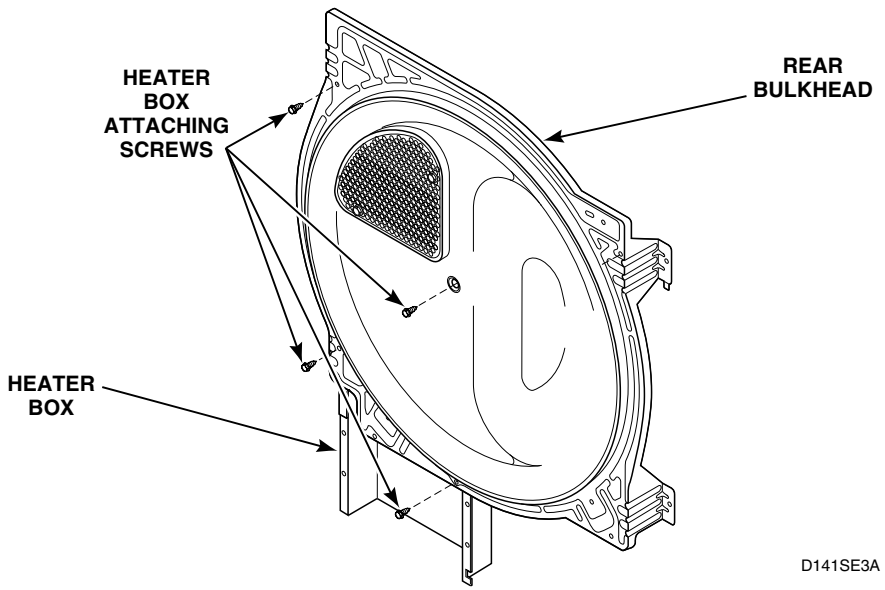


Figure 50

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

53. TERMINAL BLOCK OR POWER CORD

a. **Terminal block - Electric models:**

(1) While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 10*.

(2) Gently lower the access panel to disengage guide lugs from bottom edge of front panel.

(3) Remove two screws holding bottom tabs on front panel to dryer cabinet. Refer to *Figure 11*. Swing bottom of front panel away from dryer to disengage hold-down clips (upper dryer) and guide lugs from control cabinet or cabinet top (depending on which dryer).

(4) Disconnect wires from door switch. Refer to *Figure 12*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

(5) Remove two cabinet top hold-down screws. Refer to *Figure 19*.

(6) Lift cabinet top to a vertical position by hinging it on the rear hold-down brackets. Refer to *Figure 20*.

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

(7) Remove all wires from terminal block. (Refer to appropriate wiring diagram when rewiring terminal block.)

(8) Remove screw holding terminal block to rear bulkhead. Refer to *Figure 51*.

Figure 51

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

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 rear bulkhead. Refer to *Figure 52*.

NOTE: Reinstall screw and ground wires into same hole in bulkhead when reinstalling power cord.

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

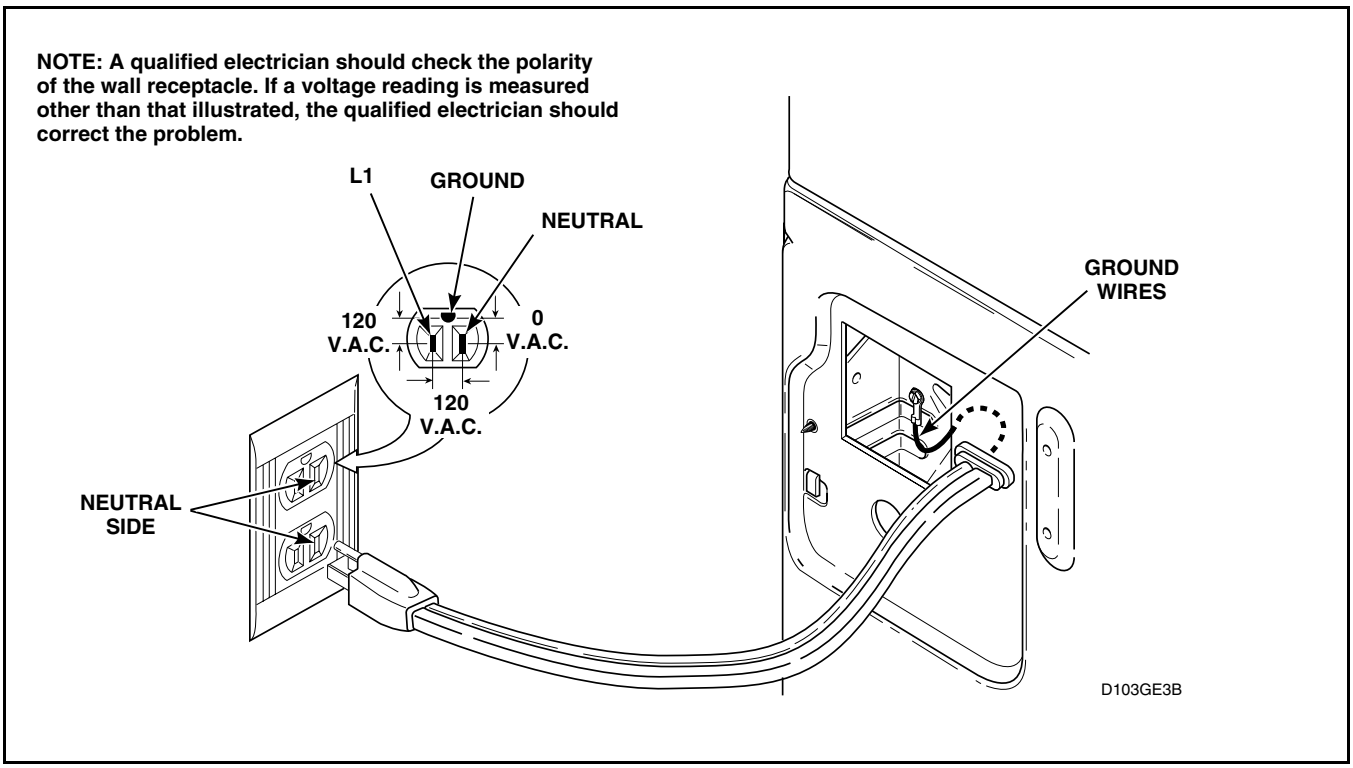


Figure 52

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

54. CABINET AND BASE

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 10*.

b. Gently lower the access panel to disengage guide lugs from bottom edge of front panel.

c. Remove two screws holding bottom tabs on front panel to dryer cabinet. Refer to *Figure 11*. Swing bottom of front panel away from dryer to disengage hold-down clips (upper dryer) and guide lugs from control cabinet or cabinet top (depending on which dryer).

d. Disconnect wires from door switch. Refer to *Figure 12*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

e. **UPPER DRYER** - Remove two cabinet top hold-down screws and carefully lift top off dryer. Refer to *Figure 19*.

f. Disengage belt from motor and idler pulleys. Refer to *Figure 39*.

NOTE: When reinstalling belt, make sure belt is properly installed on motor and idler pulleys and is on the correct side of the idler lever. Refer to *Figure 38*. Belt must be positioned around cylinder approximately three inches ahead of rear rib on cylinder with the ribbed surface of the belt against cylinder. Refer to *Figure 47*. After installing belt, manually rotate cylinder counterclockwise to check that belt is properly aligned.

g. Remove four screws holding bulkhead to front flange of cabinet. Then lift complete bulkhead assembly out of slots in cabinet. Refer to *Figure 45*.

NOTE: When reassembling the front bulkhead to the cabinet, hold glides in position with finger tips on the edges of glides. Once bulkhead is in place, inspect the glide position with a mirror to ensure the glides are aligned with the cylinder, making sure the tabs are visible. Refer to *Figure 46*.

WARNING

To reduce the risk of serious injury or death by carbon monoxide and other gases in gas dryers, carefully read and follow all instructions given in this section.

W005

IMPORTANT: During reinstallation of front bulkhead, make sure that air duct is properly positioned with the flange inside the felt seal on exhaust fan cover. Refer to *Figure 38*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can cause fire and dryer malfunction.

h. Manually rotate cylinder until one of the baffles is at the 6 o'clock position and carefully remove cylinder out through front of dryer.

i. Disconnect wires from thermostat and heater. Refer to *Figure 38*.

NOTE: Refer to appropriate wiring diagram when rewiring thermostat and heater.

j. Disengage motor wire harness connection block from motor switch by pressing in on the movable locking tabs (located on each end of the connection block) and pulling away from motor. Refer to *Figure 42*.

IMPORTANT: To avoid an open circuit, DO NOT pull on the connection block wires when removing blocks from motor as this could damage the wires or terminal crimping.

Before attaching wire harness connection block to motor, make sure all the male terminals on motor are straight and are capable of accepting the terminals from the wire harness connection block.

k. Remove two screws holding motor mounting bracket to dryer base. Refer to *Figure 38*.

l. Pull motor and exhaust assembly forward and disengage the middle exhaust duct.

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

m. Rotate the motor and exhaust assembly 90° counterclockwise and slide out through front of dryer.

IMPORTANT: When reinstalling motor and exhaust assembly, make 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). Refer to *Figure 38*. Tab on rear of motor mounting bracket must be slid into slot in dryer base. Make sure the belt has been installed on the correct side of the idler lever. Refer to *Figure 39*.

n. **Gas models:**
   (1) Disconnect igniter wires at disconnect blocks, sensor wires from sensor terminals and wires from gas valve coils at the quick disconnect blocks. Refer to *Figure 35*.
   (2) Remove screw from right side of burner housing, holding burner tube in place. Refer to *Figure 35*.
   (3) Gently move burner tube toward rear of dryer to disengage tab from slot on left side of burner housing. Refer to *Figure 32*.
   (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 the 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 front of burner housing to heat shroud. Refer to *Figure 32*.
   (7) Remove screw holding front of burner housing to dryer base and remove housing out through front of dryer. Refer to *Figure 32*.
   (8) Remove four screws holding shroud to heater box and remove shroud out through front of dryer. Refer to *Figure 32*.

Electric models:
   (1) Remove two screws holding element and plate to heater box, then pull element down and away from heater box. Refer to *Figure 35*.
   (2) Pull element and plate out of dryer far enough to disconnect wires from element.

IMPORTANT: Refer to appropriate wiring diagram when rewiring element and plate.

o. Remove screw holding heat shield to dryer base. Refer to *Figure 48*.
p. While supporting rear bulkhead, remove screws holding bulkhead to rear of dryer cabinet, and remove assembly out of dryer. Refer to *Figure 48*.
q. Remove screw holding exhaust duct to dryer cabinet and pull duct out of cabinet. Refer to *Figure 48*.
r. **UPPER DRYER** - Remove two screws from each rear hinge and remove hinges.
s. Remove screw holding terminal block access plate to rear of dryer cabinet and remove plate.
t. Remove wire harness clips.
u. Remove guide lugs and screws.
v. Remove two screws from front edge at each side of cabinet. Refer to *Figure 45*. Then remove remaining screws from around bottom of cabinet and lift cabinet off base.
w. Remove leveling legs from 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.**

W001R1

55. LEVELING LEGS

Refer to *Figure 53*

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

a. Place dryer in position, adjust the legs until dryer is level.

NOTE: Legs can be adjusted outside the dryer by using a 1-1/4 inch size wrench, or from inside the dryer (with lower front access panel removed) by using a 1/4 inch drive ratchet with extension through center hole in leg.

b. Keep dryer as close to the floor as possible. All four legs must rest firmly on the floor so weight of the dryer is evenly distributed. The dryer MUST NOT rock.

c. Place a rubber cup (supplied with dryer) under each of the leveling legs. Refer to *Figure 53*.

IMPORTANT: DO NOT move the dryer at any time unless the dryer is completely assembled. DO NOT slide the dryer across the floor once the leveling legs have been extended as the legs and base could become damaged.

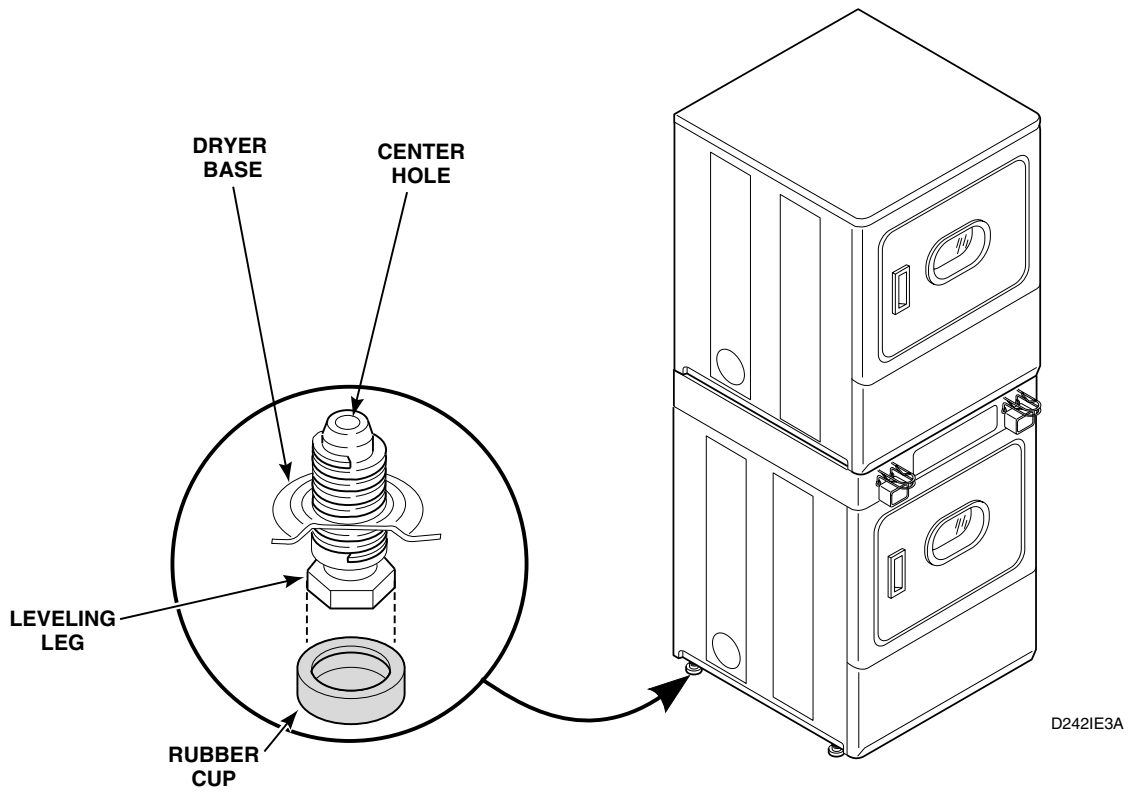


Figure 53

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

56. BURNER FLAME (Gas Models)

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 10*.

b. Gently lower the access panel to disengage guide lugs from bottom edge of front panel.

c. Set temperature switch at NORMAL.
   (1) Metered Models - Place coins in slide and carefully push slide in as far as possible
   (2) Nonmetered Models - set timer at “50” minutes.

d. Close the loading door, start the dryer in a heat setting (refer to Operating Instructions supplied with the dryer); the dryer will start, the igniter will glow red and the main burner will ignite.

e. Allow the dryer to operate for approximately five minutes, then loosen the air shutter lockscrew. Refer to *Figure 54*.

f. Turn air shutter to the left to get a luminous yellow-tipped flame, then turn it back slowly to the right to obtain a steady blue flame.

g. After proper flame is obtained, tighten air shutter lockscrew firmly. Refer to *Figure 54*.

h. Reinstall lower front access panel and screws.

WARNING

To reduce the risk of fire and serious injury or death, the lower front access panel must be in place during normal operation.

After the dryer has operated for approximately three minutes, exhaust air or exhaust pipe should be warm.

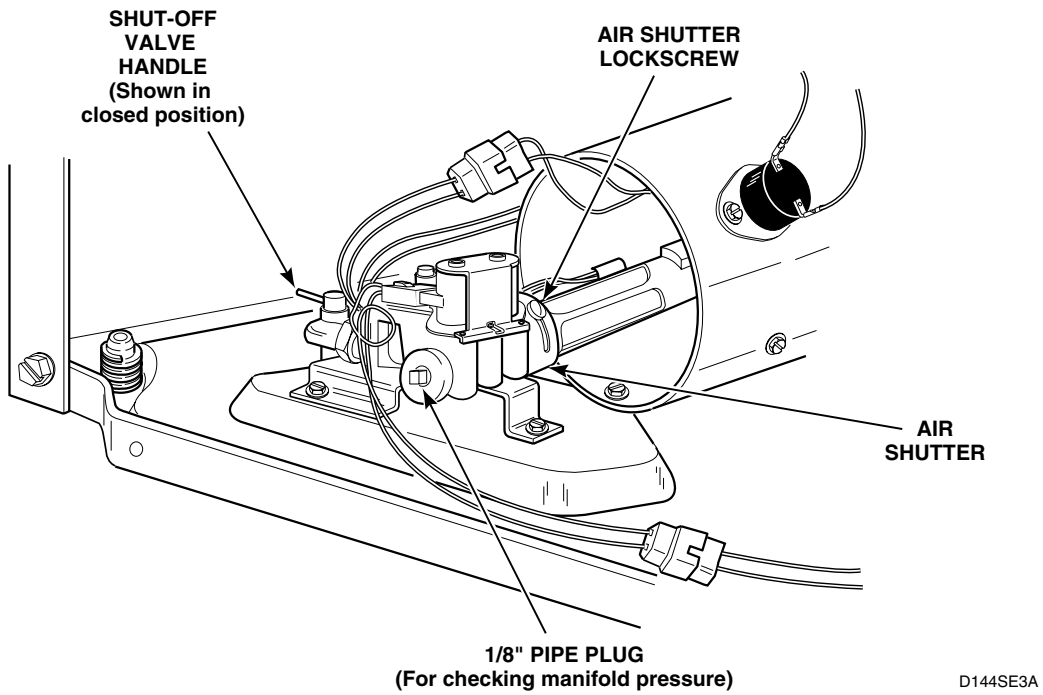


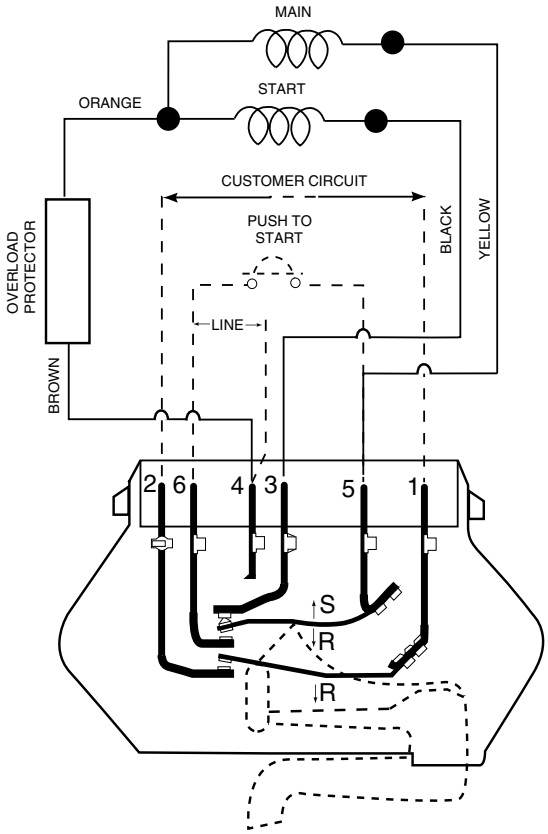
Figure 54

Section 7
Internal Wiring of Dryer Motor Switch

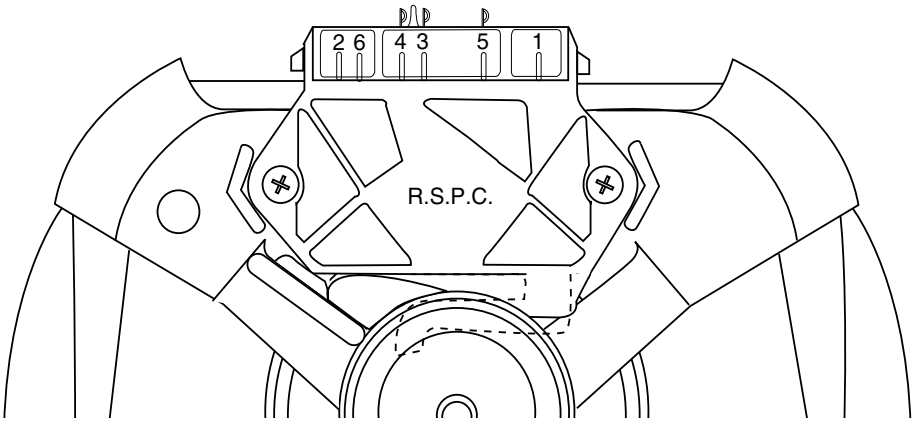
WARNING

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



SWITCH SHOWN IN START POSITION



D166SE3A

Section 8
Wiring Diagrams

WARNING

Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.

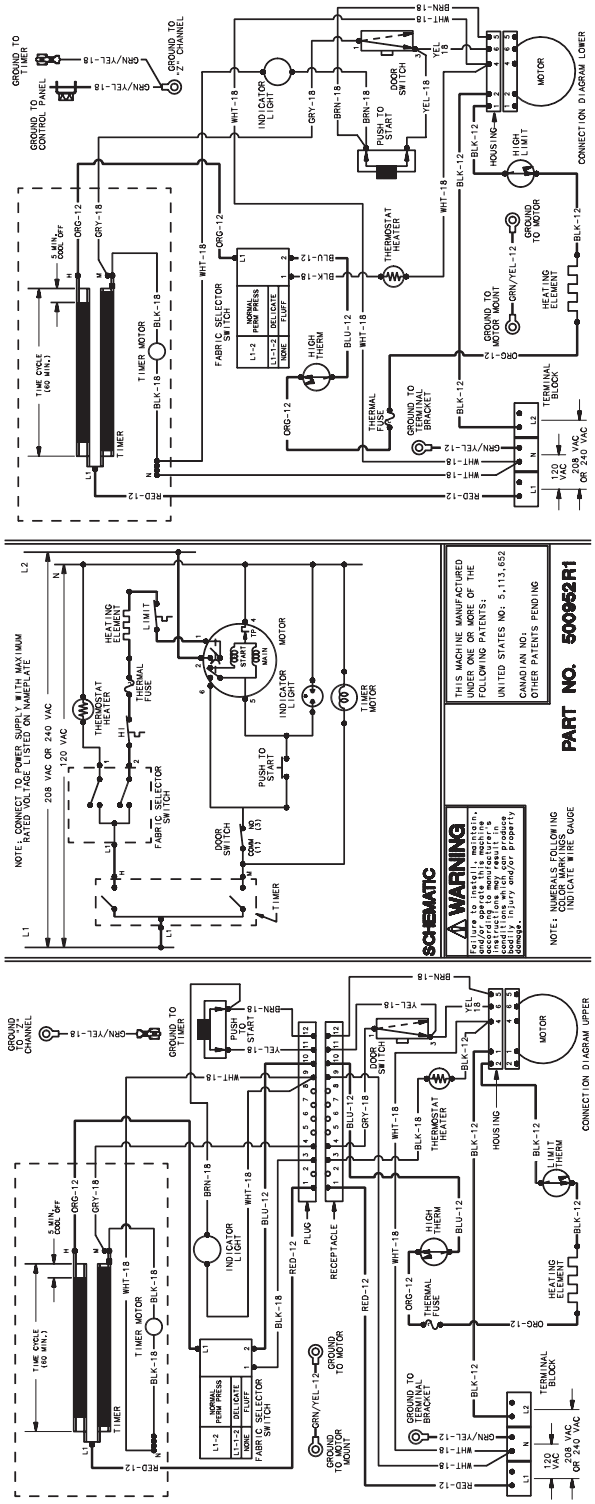
W030

**WIRING DIAGRAMS AND SCHEMATICS
FOUND ON THE FOLLOWING PAGES
ARE FOR MODELS COVERED IN THIS MANUAL.**

WARNING

Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.

W030

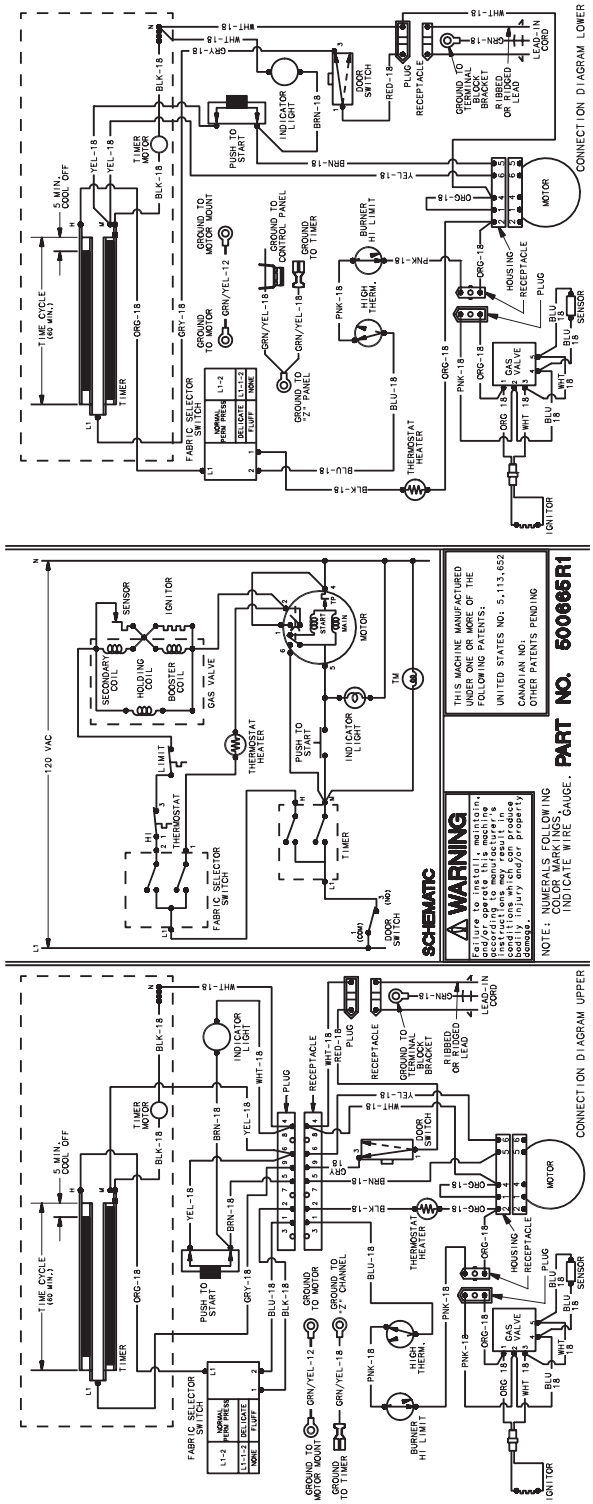


MODEL EE5007

WARNING

Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.

W030

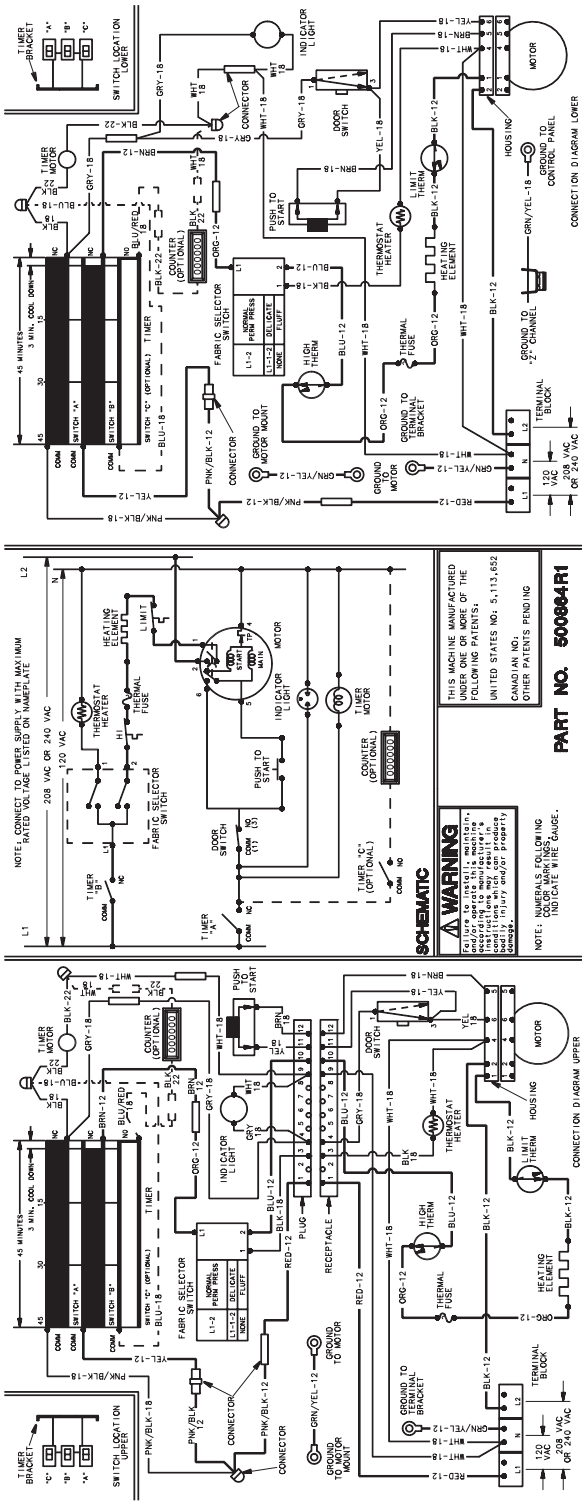


MODEL EG5009

WARNING

Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.

W030

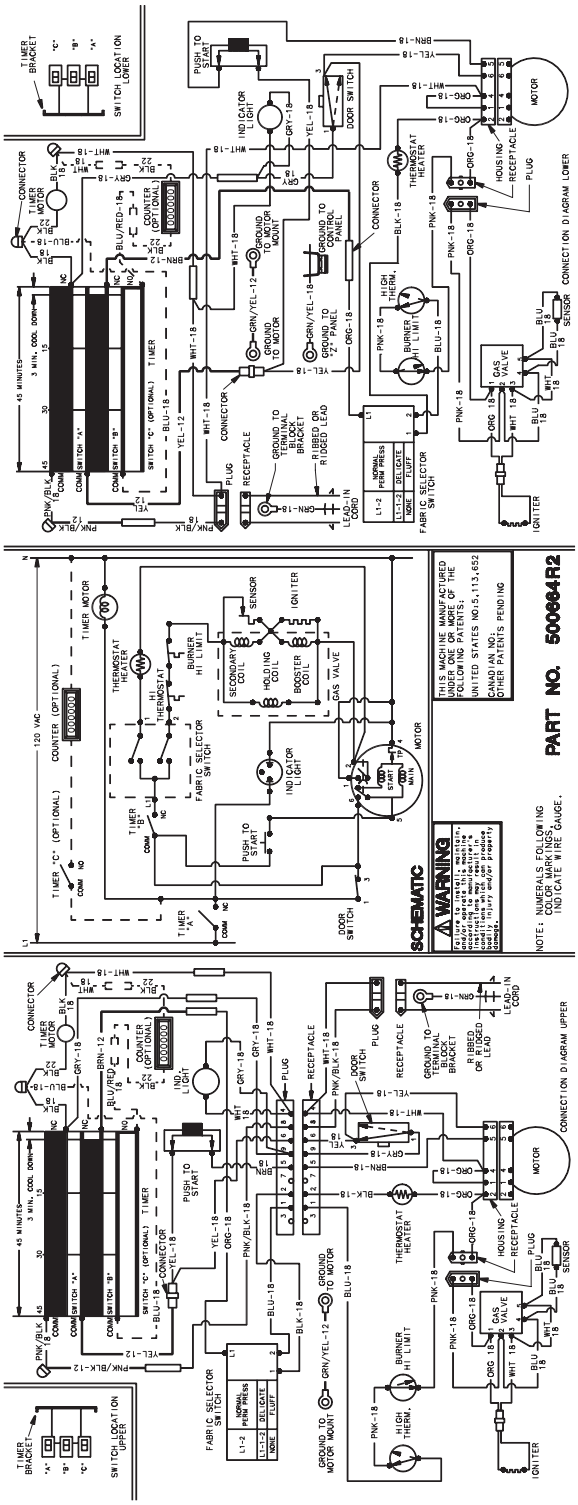


MODELS EE5107, EE5117 AND EE5507

WARNING

Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.

W030

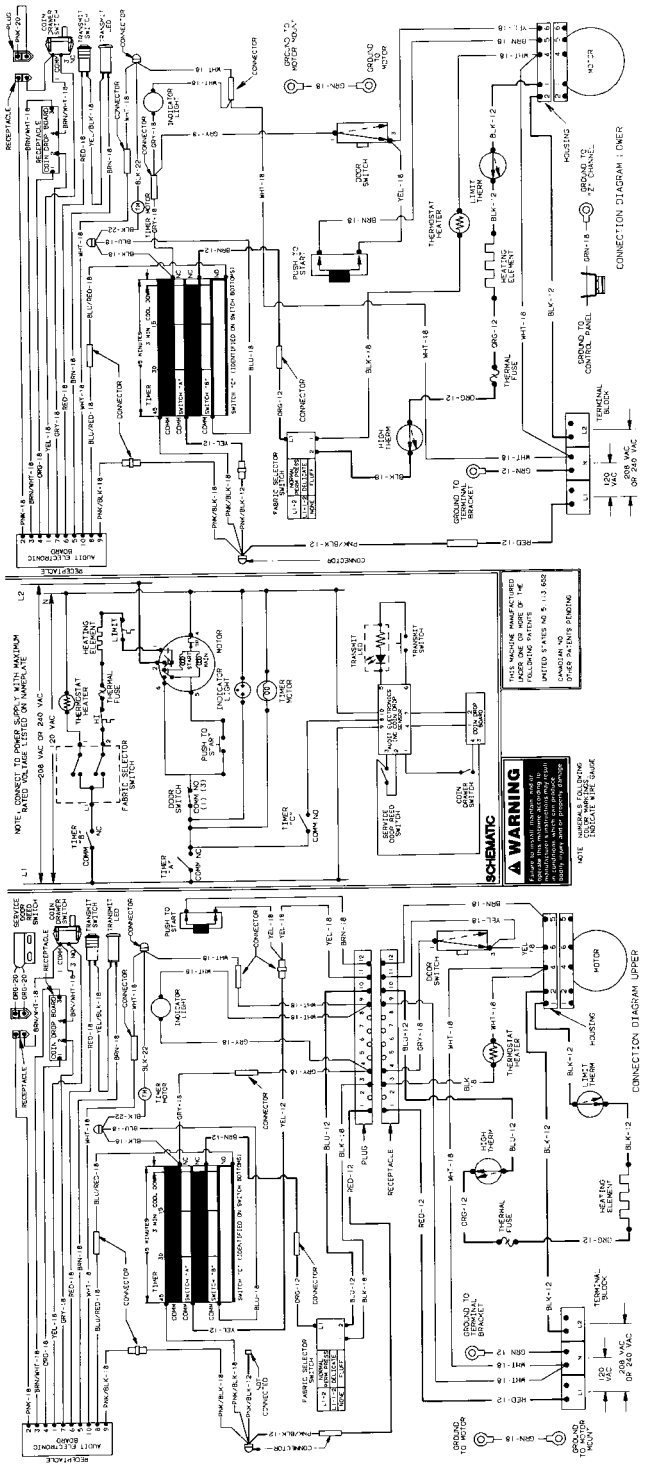


MODELS EG5109, EG5119 AND EG5509

WARNING

Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.

W030

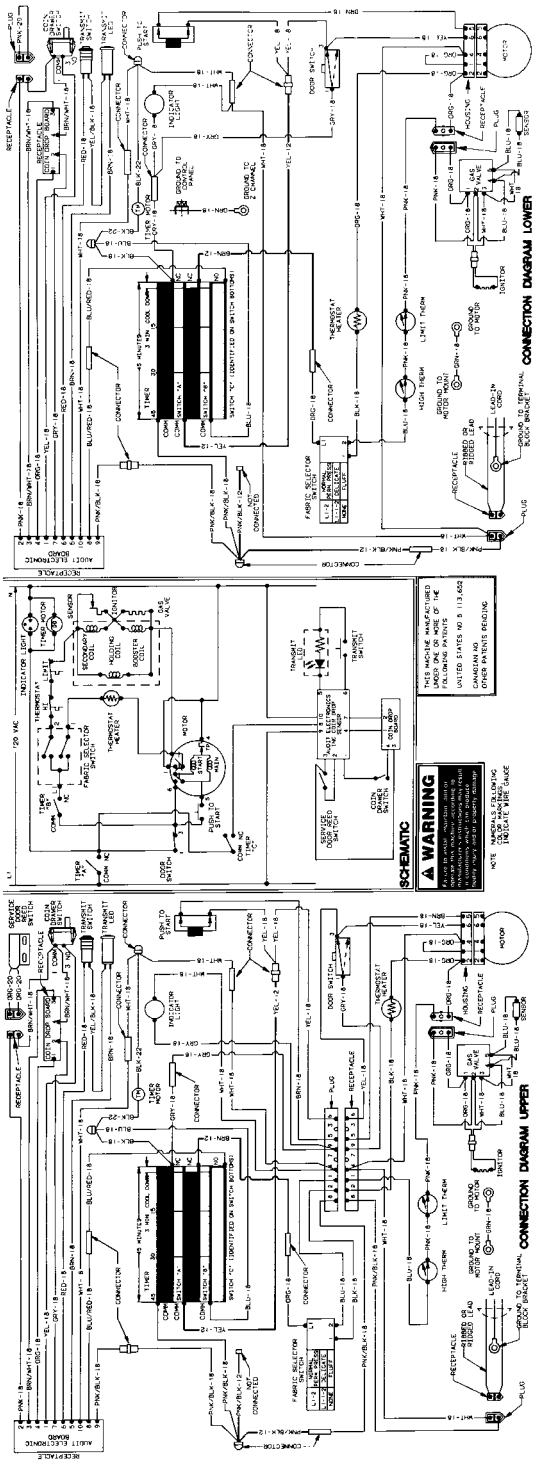


MODEL EE5607

WARNING

Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.

W030

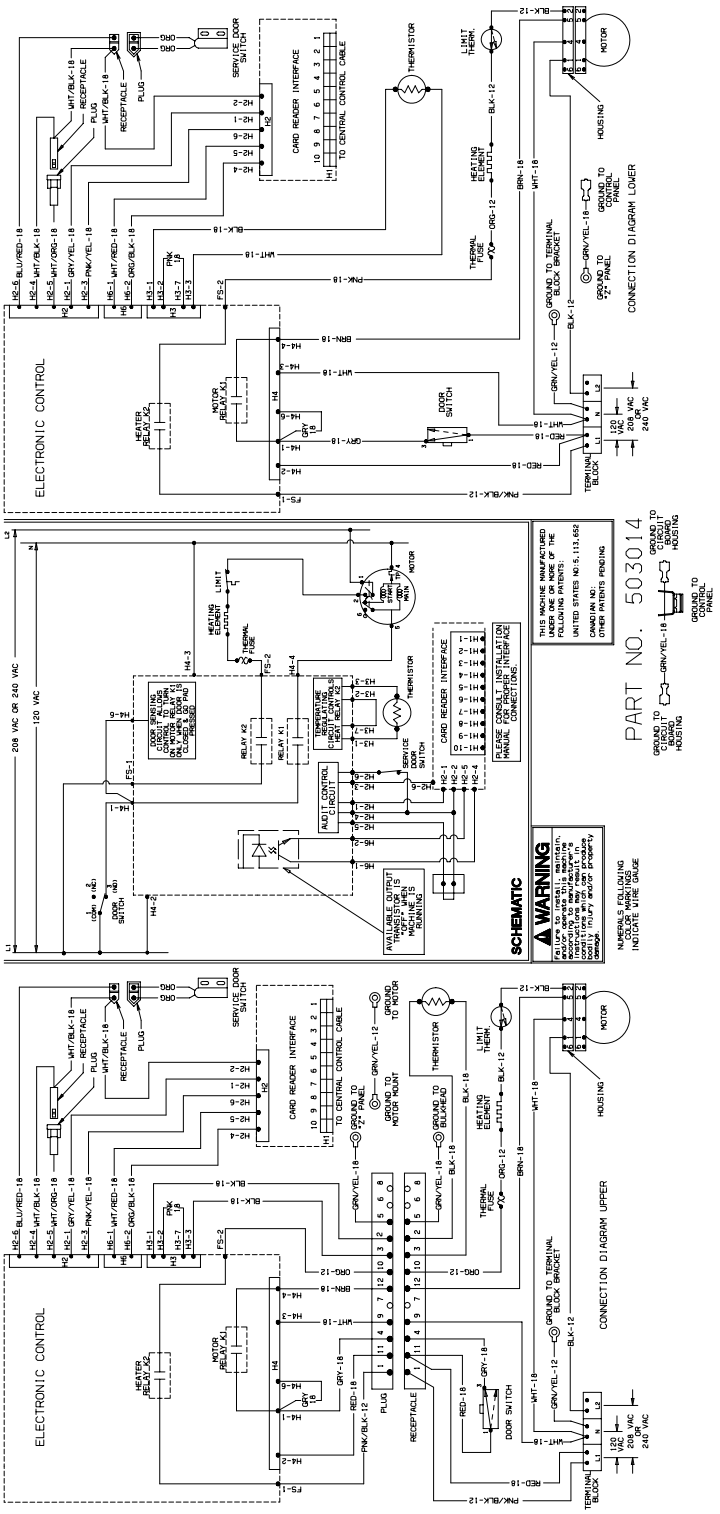


MODEL EG5609

WARNING

Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.

W030

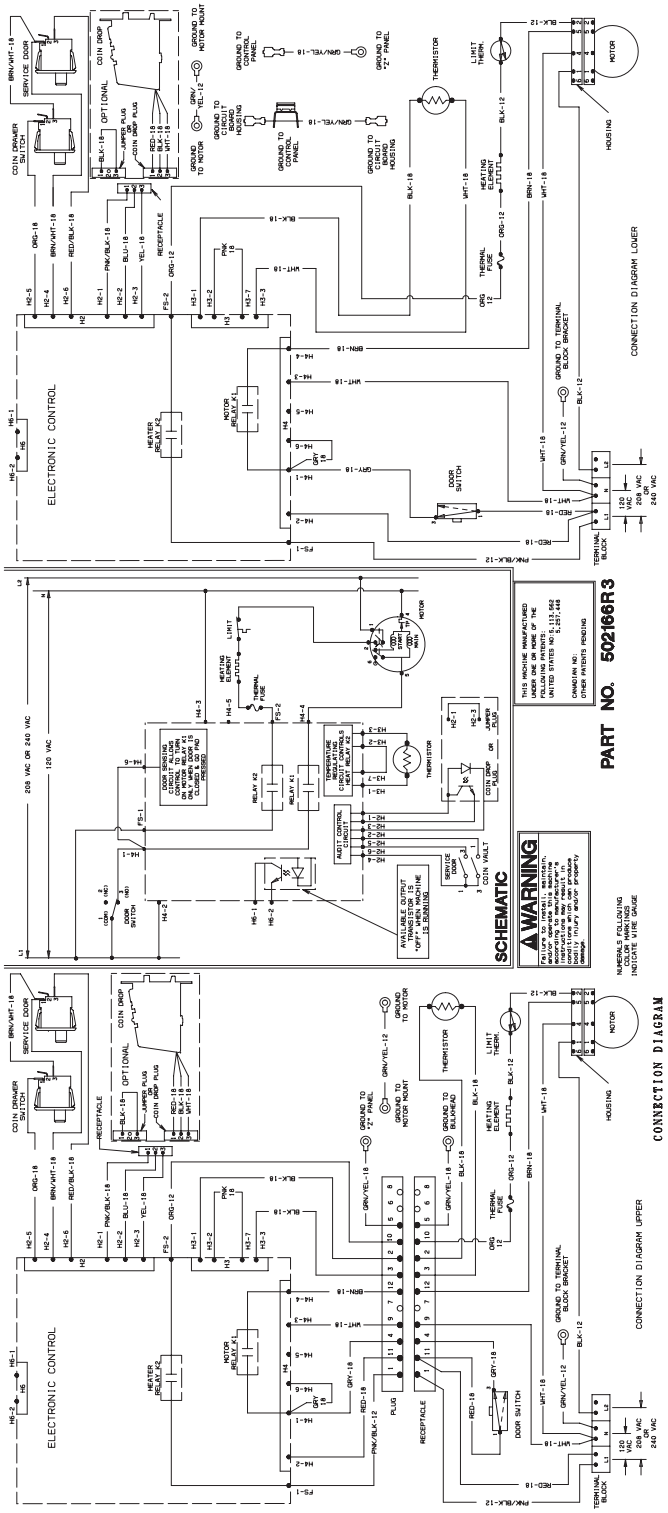


MODELS EE6907 AND EE6917

WARNING

Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.

W030

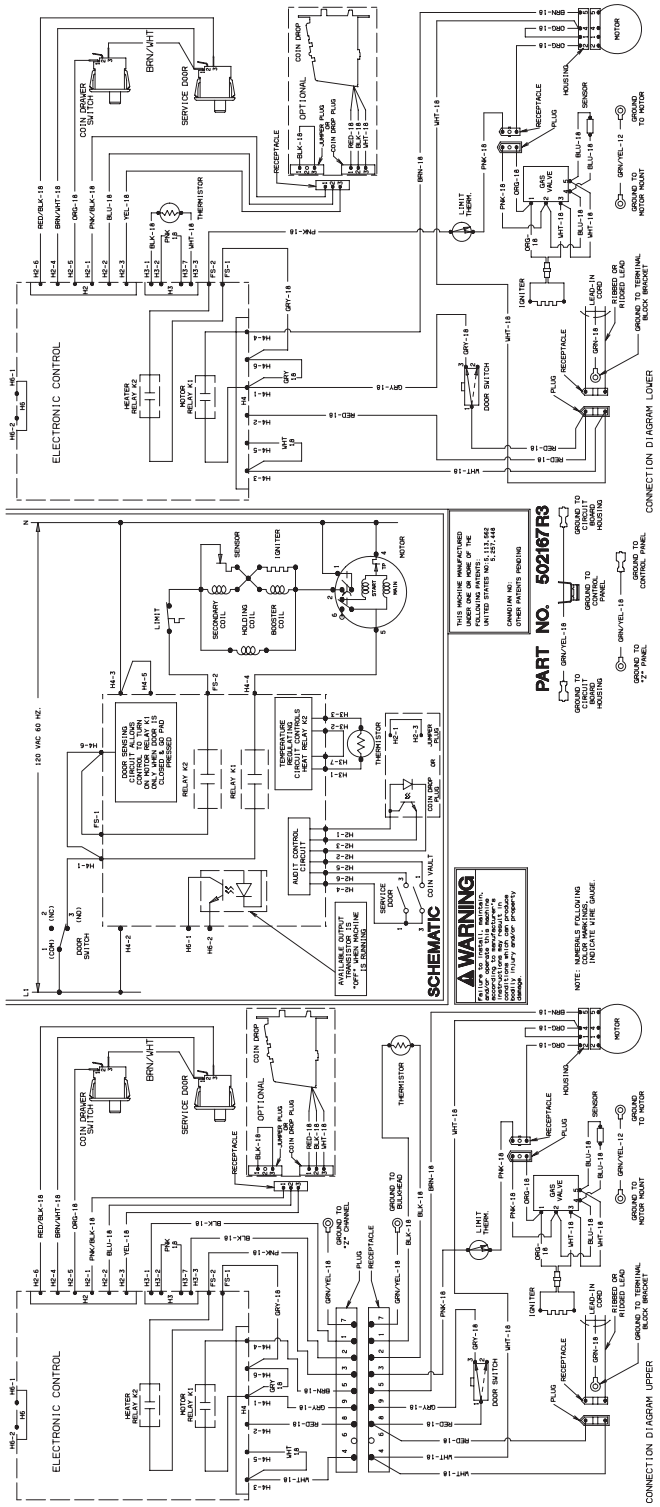


MODELS EE5807, EE5817, EE5907 AND EE5917

WARNING

Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.

W030

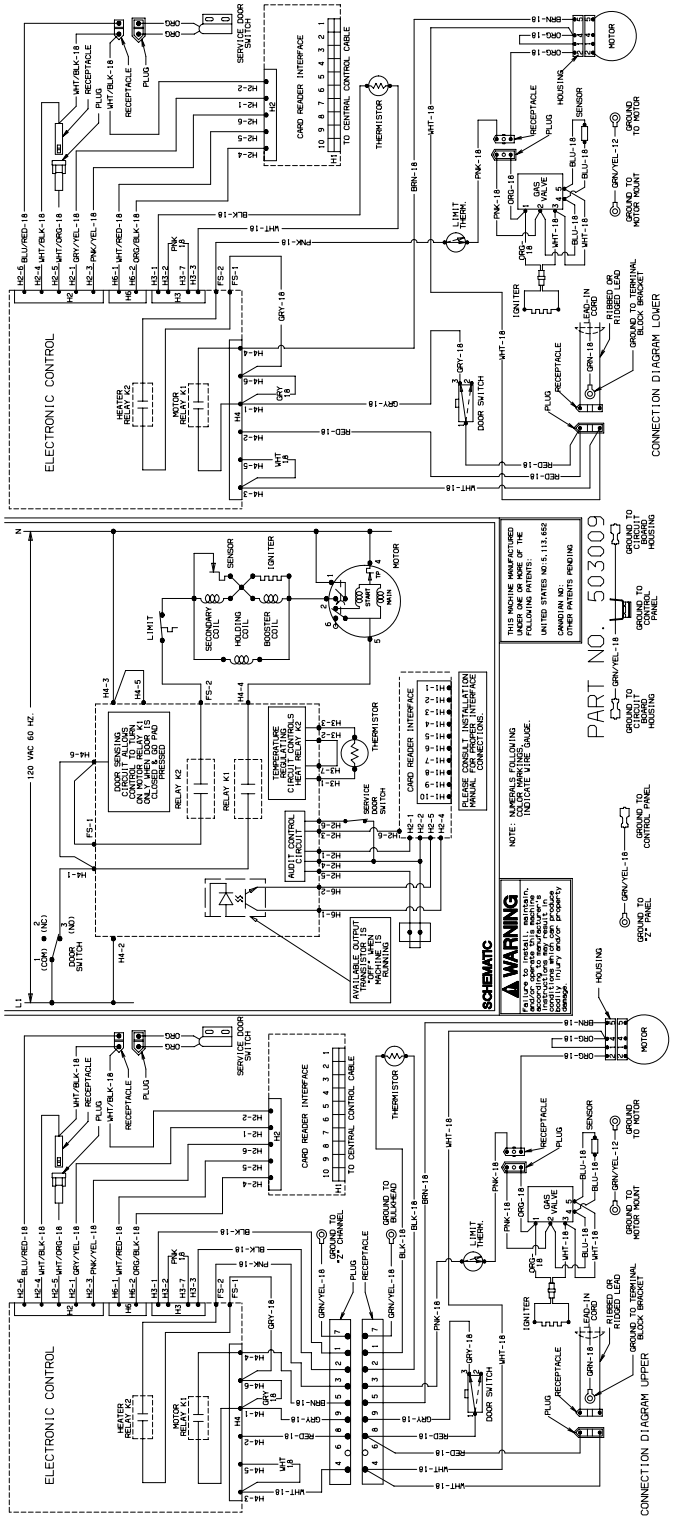


MODELS EG5809, EG5819, EG5909 AND EG5919

WARNING

Failure to install, maintain, and/or operate this machine according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.

W030



MODELS EG6909 AND EG6919