Commercial Dryers

Metered and Nonmetered "EE" and "EG" Series

Refer to Page 6 for Model Numbers

Service

Alliance Laundry Systems

www.comlaundry.com

Part No. 62955R1
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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.**

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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 dryer.

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

Locating an Authorized Servicer

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

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

Section 2
Introduction

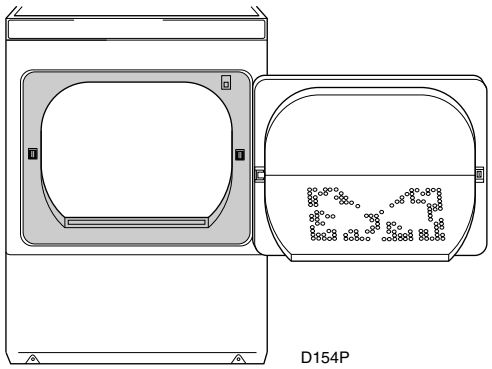
Customer Service

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

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

Nameplate Location

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



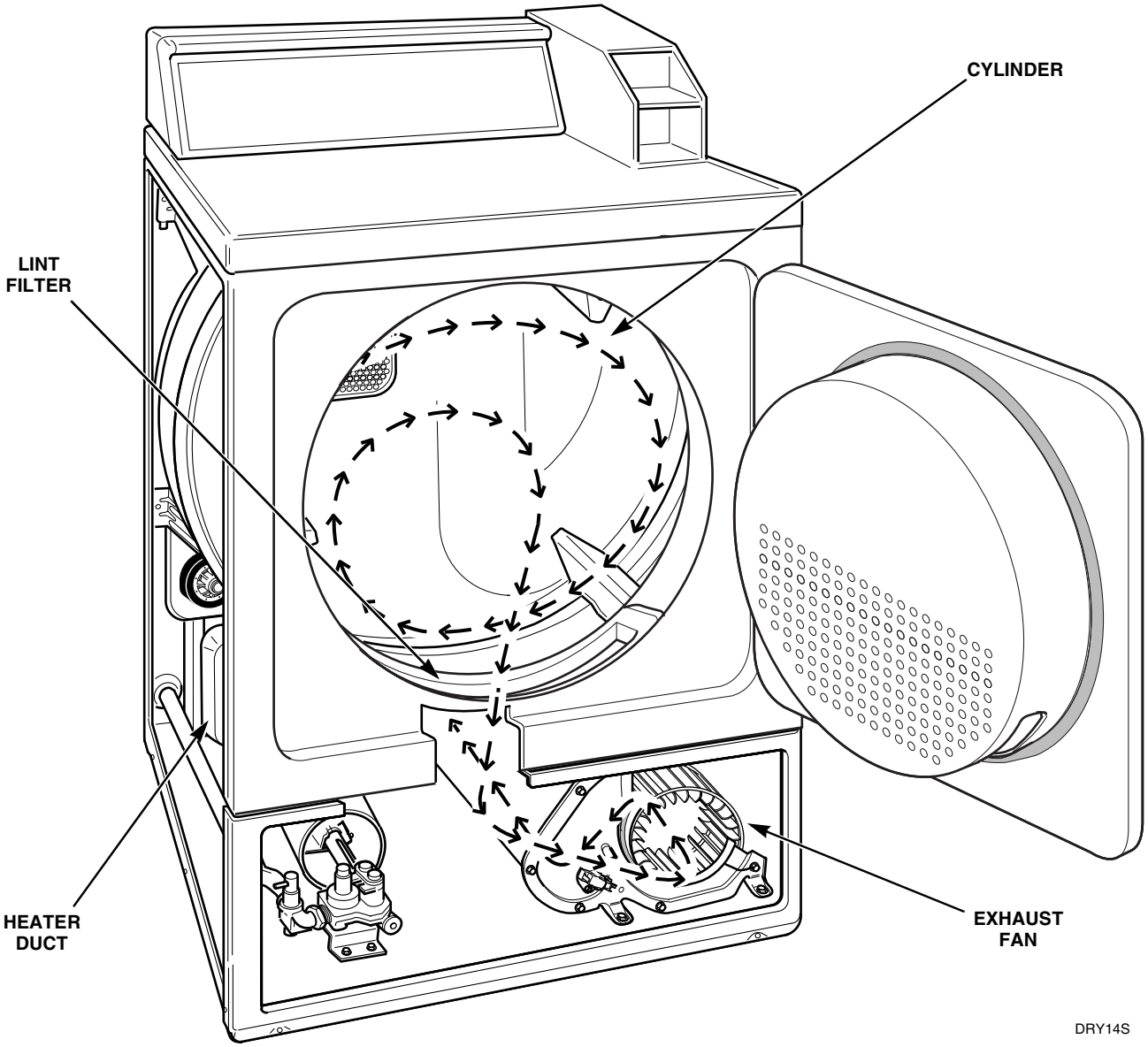
D154P

Model Identification

Information in this manual is applicable to these dryers.

Model Numbers	Nonmetered Models	Metered Models	Audit Models	Computerized Audit Models	Electric Heat	Gas Heat
EE2007	X				X	
EG2009	X					X
EE2107		X			X	
EG2109		X				X
EE2507		X	X		X	
EG2509		X	X			X
EE2607		X		X	X	
EG2609		X		X		X
*** Add Letter To Designate Color. L – Almond W – White**						

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.**

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IMPORTANT: Refer to appropriate model 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. A 208 or 240 Volt dryer has an electrical circuit with two fuses – make sure both fuses are good and are tight.
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. Make sure accumulator mounting bracket is 90 degrees to the service door.
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.
Motor is dead, won't run.	• Check start switch and start windings.
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 for the correct wiring.

WARNING

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- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.**

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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 ***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.
Broken, loose or incorrect wiring.	• Refer to appropriate wiring diagram.
Motor switch functions inoperative. Short in motor winding.	• Check switch and windings.
Belt not installed properly.	• Refer to *Figure 45* 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 46*.
Belt not installed on pulley, belt upside down or twisted.	• Install belt properly.
Broken cylinder belt.	• Replace belt.
Clothes cylinder is binding.	• Check cylinder for binding and "out of round" condition. Also check front and rear bulkheads for warping. Check cylinder rollers for binding. Check cylinder seals and glides for wear or damage.
Broken or disconnected idler lever spring.	• Replace or reconnect spring. Refer to *Figure 46*.

4. MOTOR DOES NOT STOP

POSSIBLE CAUSE	TO CORRECT
Incorrect wiring.	• Refer to appropriate wiring diagram.
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.

WARNING

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- **Close gas shut-off valve to gas dryer(s) before servicing.**
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5. MOTOR STARTS WHEN DOOR IS CLOSED

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

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 open? The dryer itself does not have an electrical fuse. A 208 or 240 Volt dryer has an electrical circuit with two fuses — make sure both fuses are good and are tight.
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 45.*
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 47.*
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.

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.**
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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 45.*
Sensor failed with contacts open.	• Replace sensor.
Igniter broken or open.	• Replace igniter.

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 45.*

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).
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

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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 60*.
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 60*.
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, *Paragraph 44*.
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:
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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*.
Incorrect wiring.	• Refer to appropriate wiring diagram.
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 45*.

WARNING

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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 hascompleted.	• 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:
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15. MOTOR MOUNTING BRACKET TO MOTOR (Gas And Electric Models)
Refer to *Figure 1*

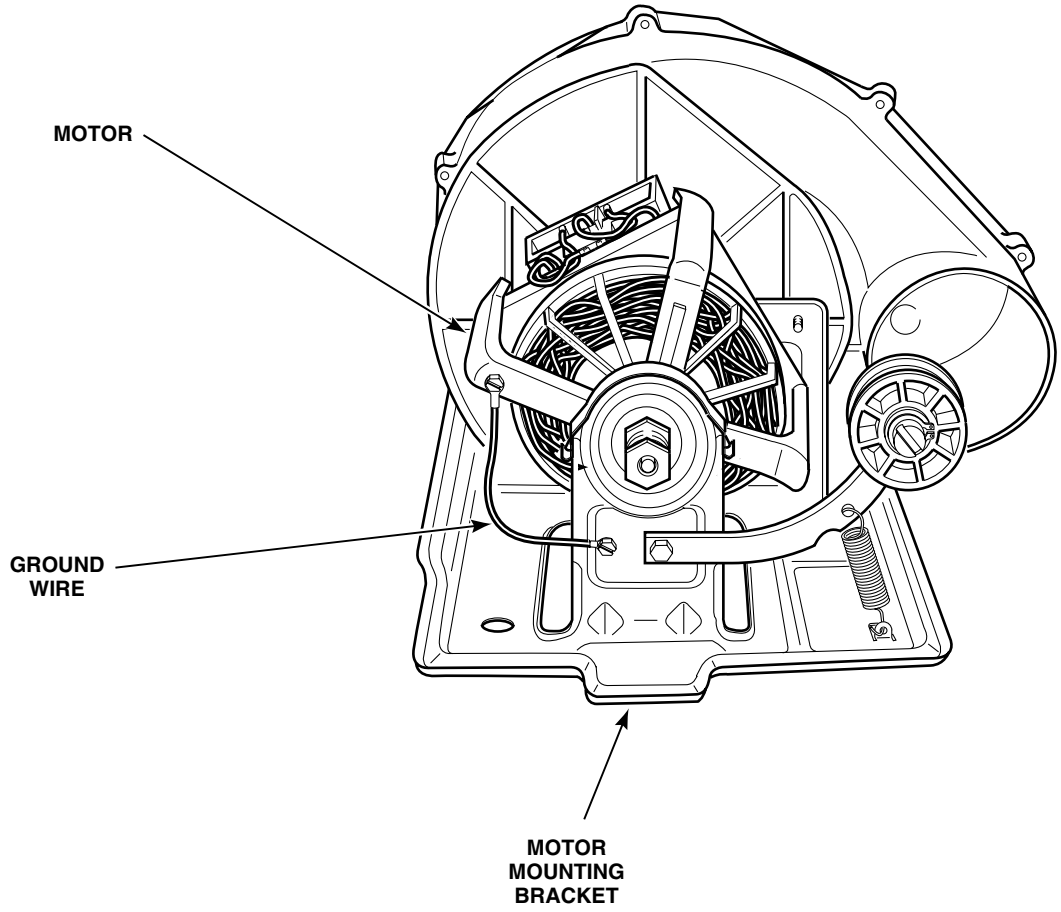

Figure 1

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

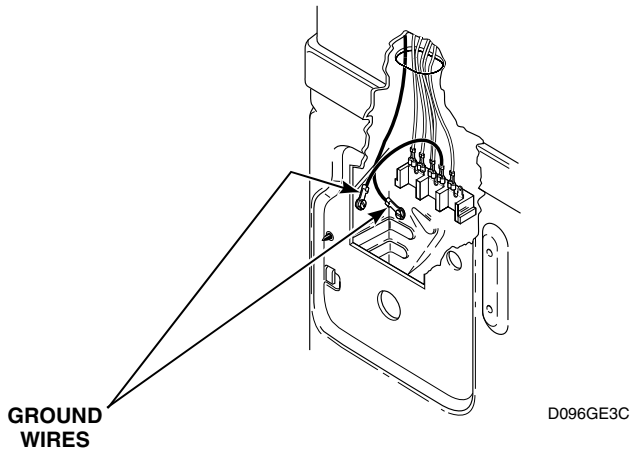

Figure 2

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

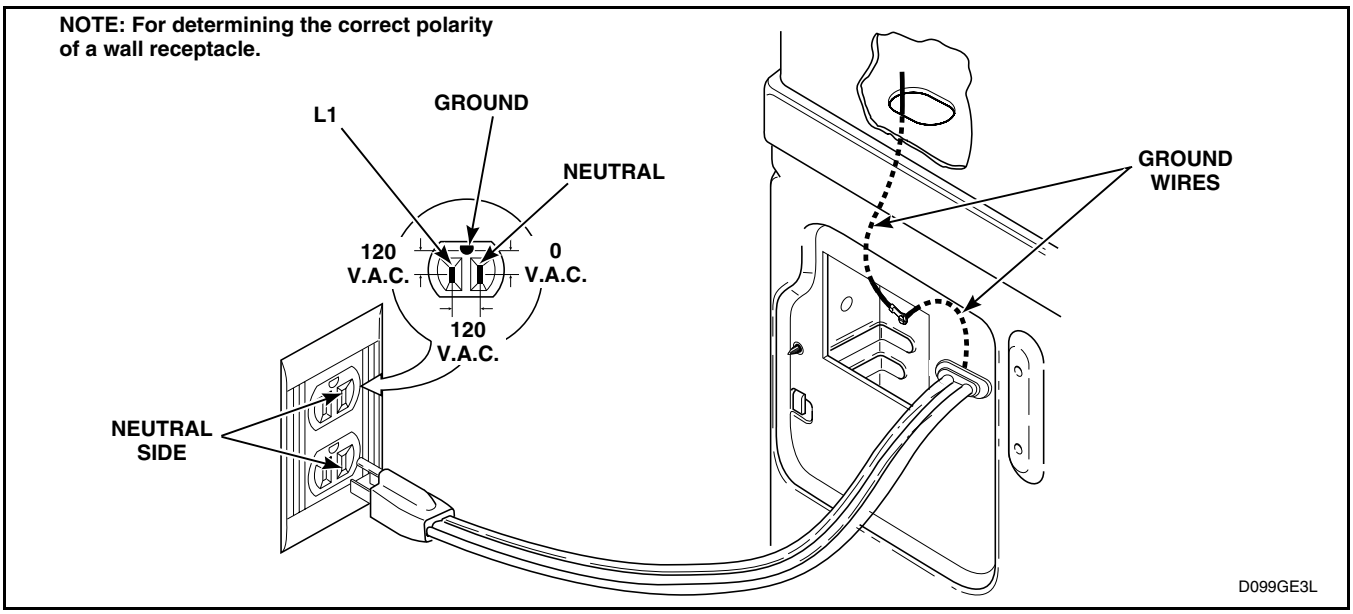

Figure 3

WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:
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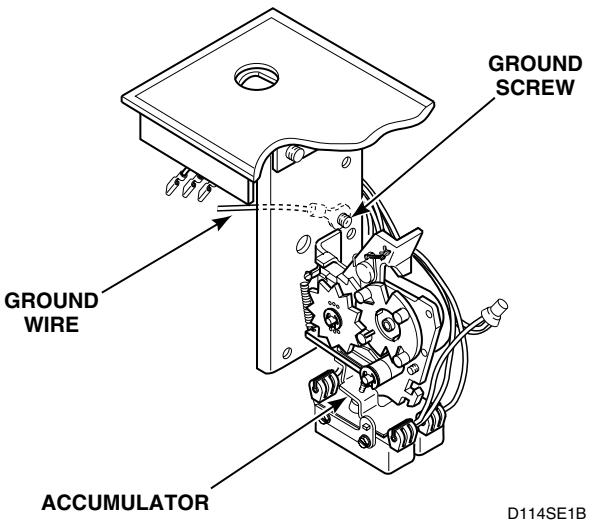
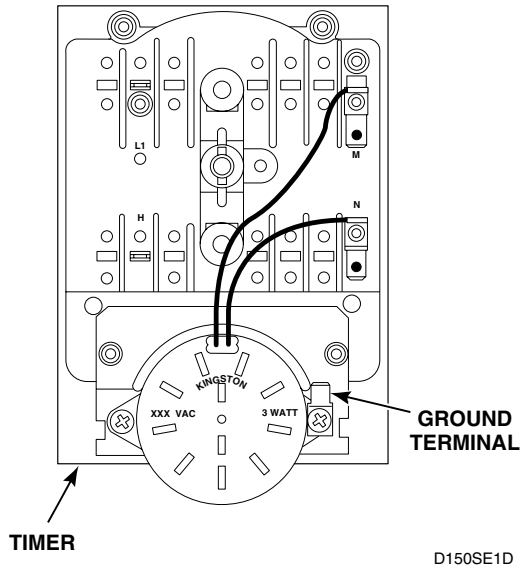
18. METERED AND NONMETERED MODELS — FROM REAR BULKHEAD TO ACCUMULATOR BRACKET OR TIMER (DEPENDING ON MODEL) AND FROM CABINET TOP TO CONTROL PANEL





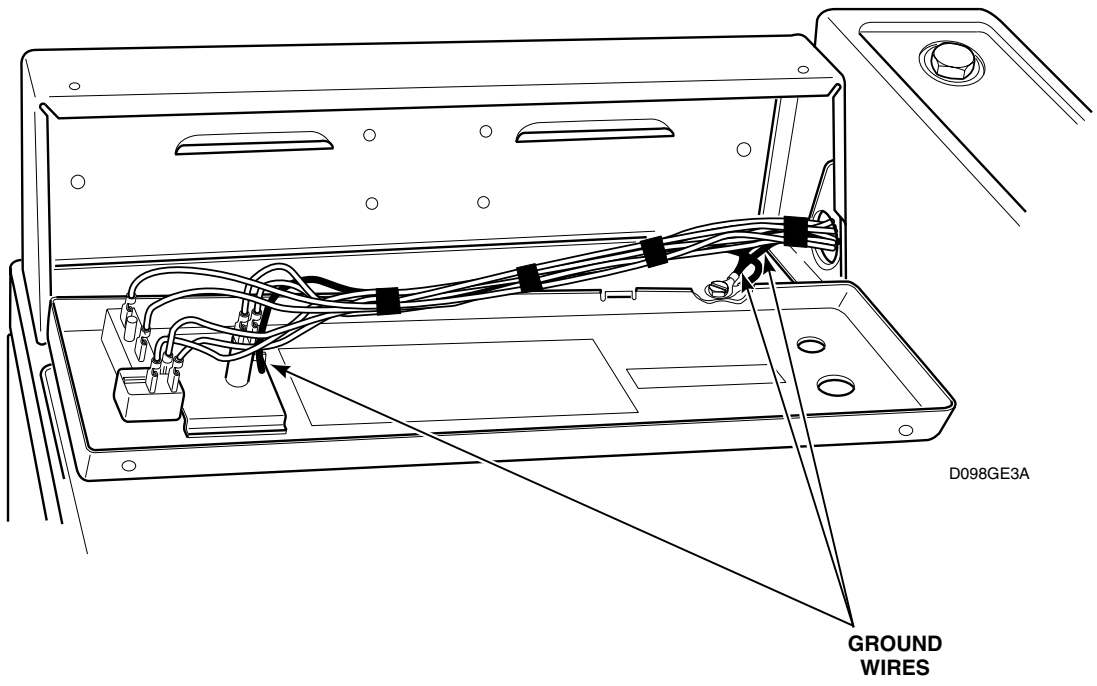


Figure 4

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.**

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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.

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

Refer to *Figure 5*

a. Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top.

b. Disconnect all wires to temperature switch, PUSH-TO-START switch and INDICATOR LIGHT and remove ground clip and screw holding ground wire to cabinet top and control panel.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

c. Loosen setscrew holding temperature switch knob to shaft and pull knob off shaft.

d. Remove knurled nut holding temperature switch to panel and remove switch.

e. Remove hex nut from PUSH-TO-START switch and remove switch.

f. Squeeze locking tabs on INDICATOR LIGHT and pull light out from back of panel.

To Test Push-to-Start Switch

1. Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top. Refer to *Figure 5*.
2. Unplug dryer from electrical supply and disconnect wires from switch terminals.
3. Set Volt-Ohm meter on OHMS scale and calibrate at appropriate scale.
4. Place meter probes on switch terminals. You should see an "infinite" reading on the meter.
5. With probes attached to switch, press the start switch button. You should read "0" Ohms.

To Test Temperature Switch

1. Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top. Refer to *Figure 5*.
2. Disconnect all wires from temperature switch.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

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

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

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

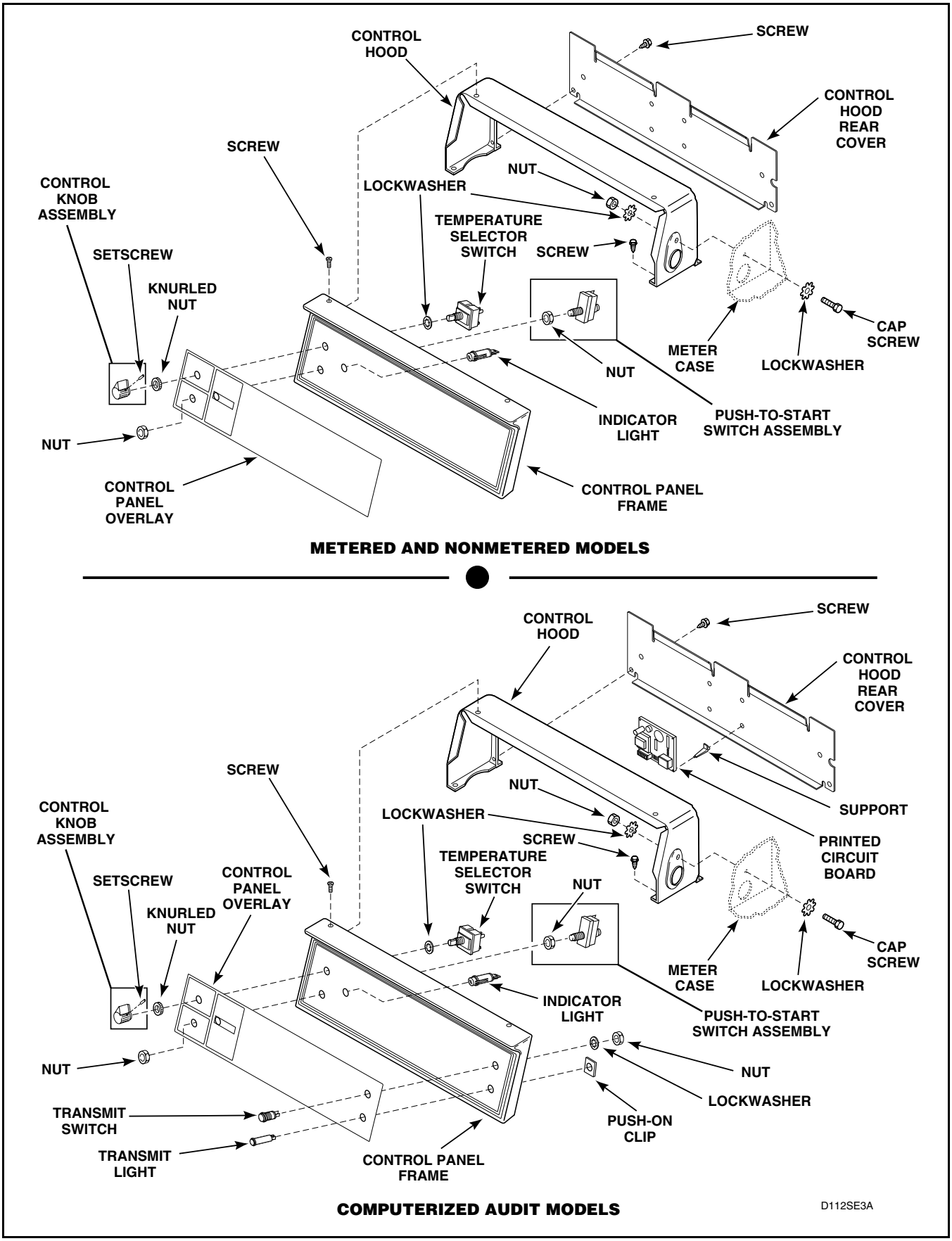

Figure 5

WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:
- **Disconnect electric power to the dryer(s) before servicing.**
- **Close gas shut-off valve to gas dryer(s) before servicing.**
- **Never start the dryer(s) with any guards/panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.**

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20. GRAPHICS PANEL

Refer to *Figure 5*

a. Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top.
b. Remove knurled nut holding temperature switch to panel.
c. Remove hex nut from PUSH-TO-START switch.
d. Remove graphic panel.

21. TIMER (Nonmetered Models)

a. Refer to *Figure 7* for timer removal.
b. Loosen setscrew holding timer knob to timer shaft and remove knob.
c. Remove four screws holding timer and plate to timer case.

NOTE: When reinstalling timer plate, lockwasher must be between head of screw and plate.

d. Pull timer and plate out of timer case as far as wires will permit.
e. Remove ground wire from ground terminal on timer. Refer to *Figure 4*.
f. Disconnect wires from timer.

NOTE: Refer to appropriate wiring diagram when rewiring timer.

g. Remove two screws holding timer to plate. Refer to *Figure 7*.

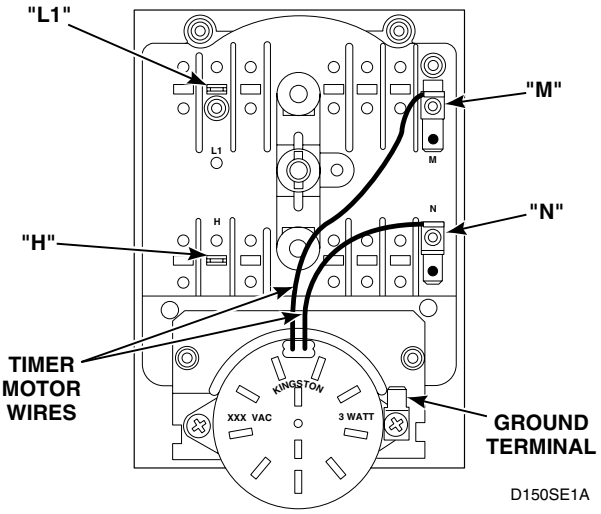

Figure 6

To Test Timer Contacts (Nonmetered Models)

4. Disconnect wires from timer, except timer motor wires. Refer to *Figure 6*.

NOTE: Refer to appropriate wiring diagram when rewiring timer.

5. Manually rotate timer out of "OFF" position and into cycle.
6. 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: NOTE: Timer Motor Resistance
120 Volt, 60 Hz.2,460 - 3,100 Ohms
240 Volt, 50 Hz.10,900 - 13,300 Ohms

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

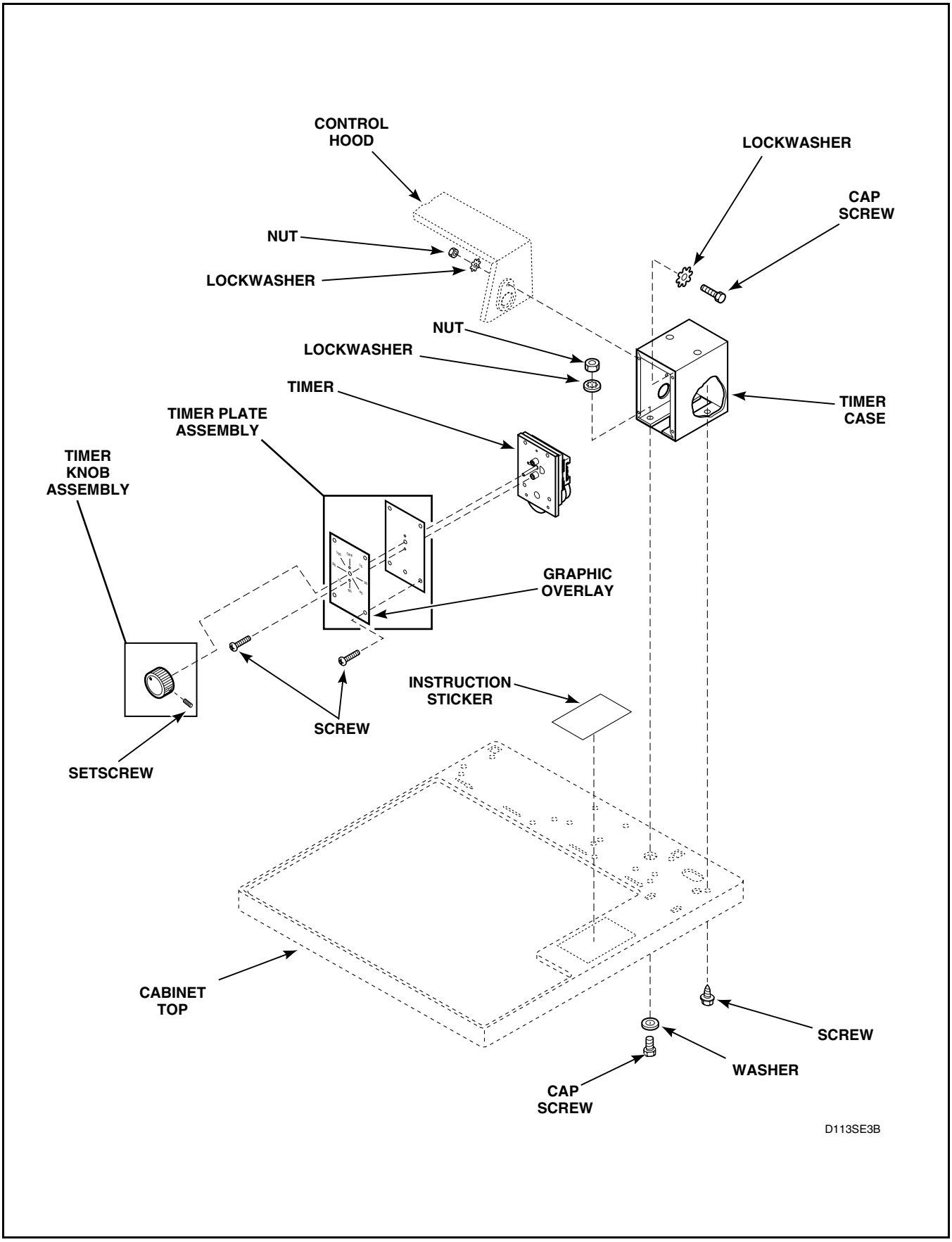

Figure 7

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 HOOD

a. Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top. Refer to *Figure 5*.

b. Disconnect all wires to temperature switch, PUSH-TO-START switch and INDICATOR LIGHT and remove ground clip and screw holding ground wire to cabinet top and control panel. Refer to *Figure 4*.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

c. **Metered models**: (Refer to *Figure 8*)
   (1) Insert key in service door lock on top of meter case and unlock door.
   (2) Lift rear of service door approximately 45° off meter case to disengage notched tabs with internal rib at top of meter case.

NOTE: When reinstalling service door and accumulator, front end of door must be inserted at about a 45° angle in order to engage notched tabs with internal rib at top of meter case.

Nonmetered models: (Refer to *Figure 7*)
   (1) Remove four screws holding timer and plate to timer case.
   (2) Pull timer and plate out of timer case as far as wires will permit.

d. Remove cap screw holding control hood to meter case. Refer to *Figure 5*.

e. Remove two screws holding control hood to cabinet top and lift hood off rear tabs. Refer to *Figure 5*.

23. CONTROL HOOD REAR COVER

Refer to *Figure 5* for removal.

24. SERVICE DOOR, ACCUMULATOR AND COUNTER (Metered Models)

Refer to *Figure 8*

a. Insert key in service door lock on top of meter case and unlock door.

b. Lift rear of service door approximately 45° off meter case to disengage notched tabs with internal rib at top of meter case.

NOTE: When reinstalling service door and accumulator, front end of door must be inserted at about a 45° angle in order to engage notched tabs with internal rib at top of meter case.

c. Disconnect accumulator wires at connectors.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

d. Remove ground screw holding green ground wire to accumulator mounting bracket.

e. Remove two screws and lockwashers holding accumulator to mounting bracket.

f. Counter (if present)
   (1) Disconnect wire from terminal on accumulator switch “C.”
   (2) Cut other wire at butt splice connector.

NOTE: The 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 is mounted inside the meter case with two-sided tape.

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

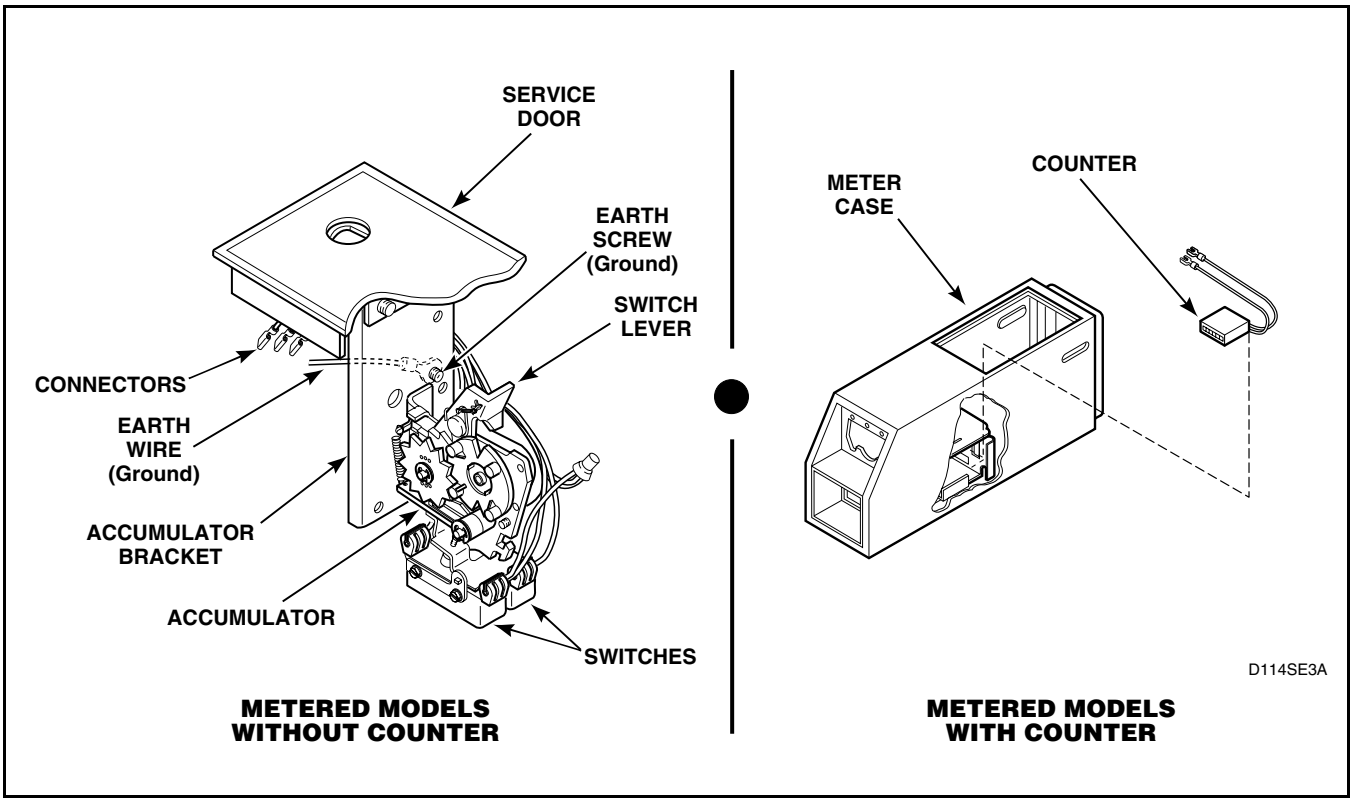

Figure 8

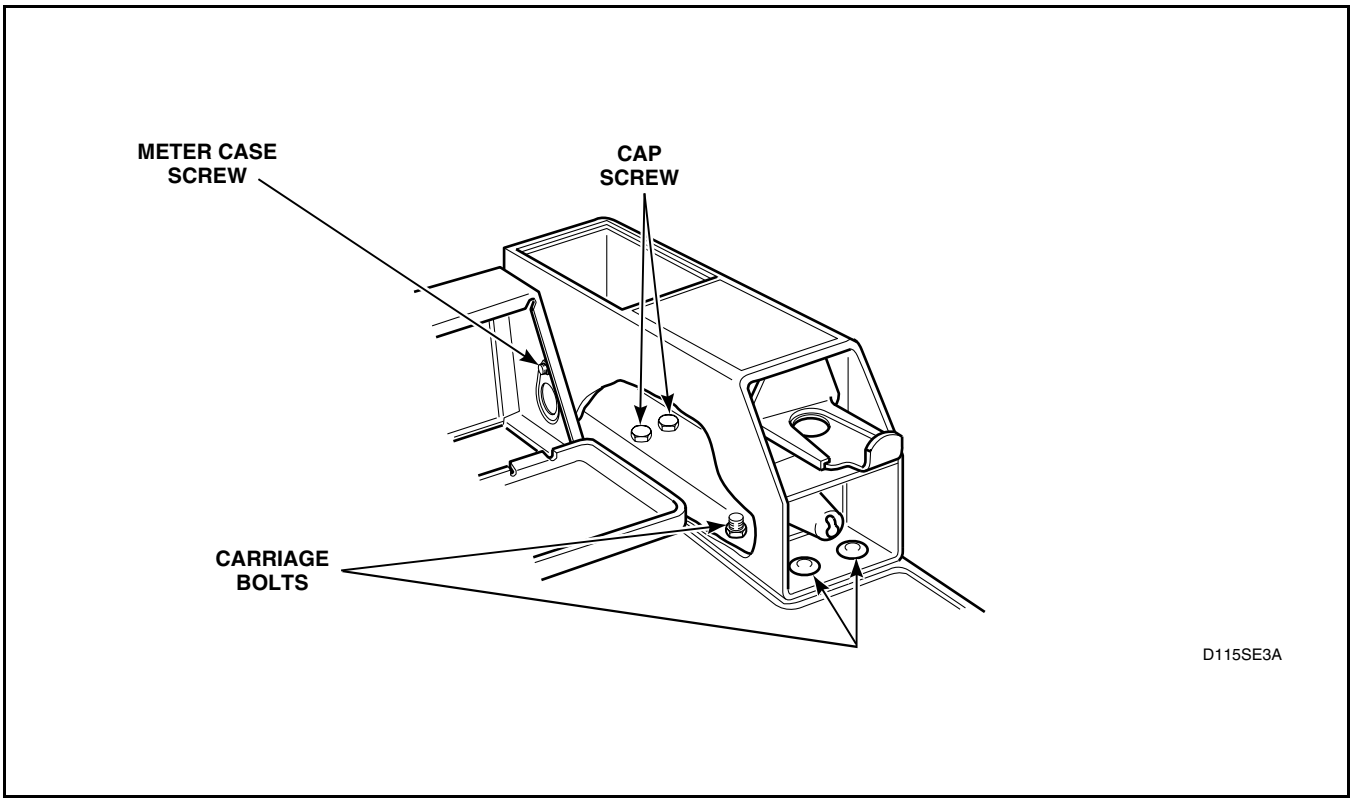

Figure 9

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

To Test Accumulator and Timing Motor (Metered Models - Refer to *Figure 10*)

1. Remove service door, accumulator and timing motor assembly. Refer to *Paragraph 24*.
2. Remove wires from one side of each switch.

NOTE: Refer to appropriate wiring diagram when rewiring switches.

3. Manually advance timing cam to disengage it from ratchet wheel.
4. 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)
5. Manually advance timing cam until it engages with ratchet wheel and the first “click” is heard. Switch B should now read “infinite” (open).
6. 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).
7. Timing motor – Apply live power to timing motor leads. Timing motor should advance timing cam.

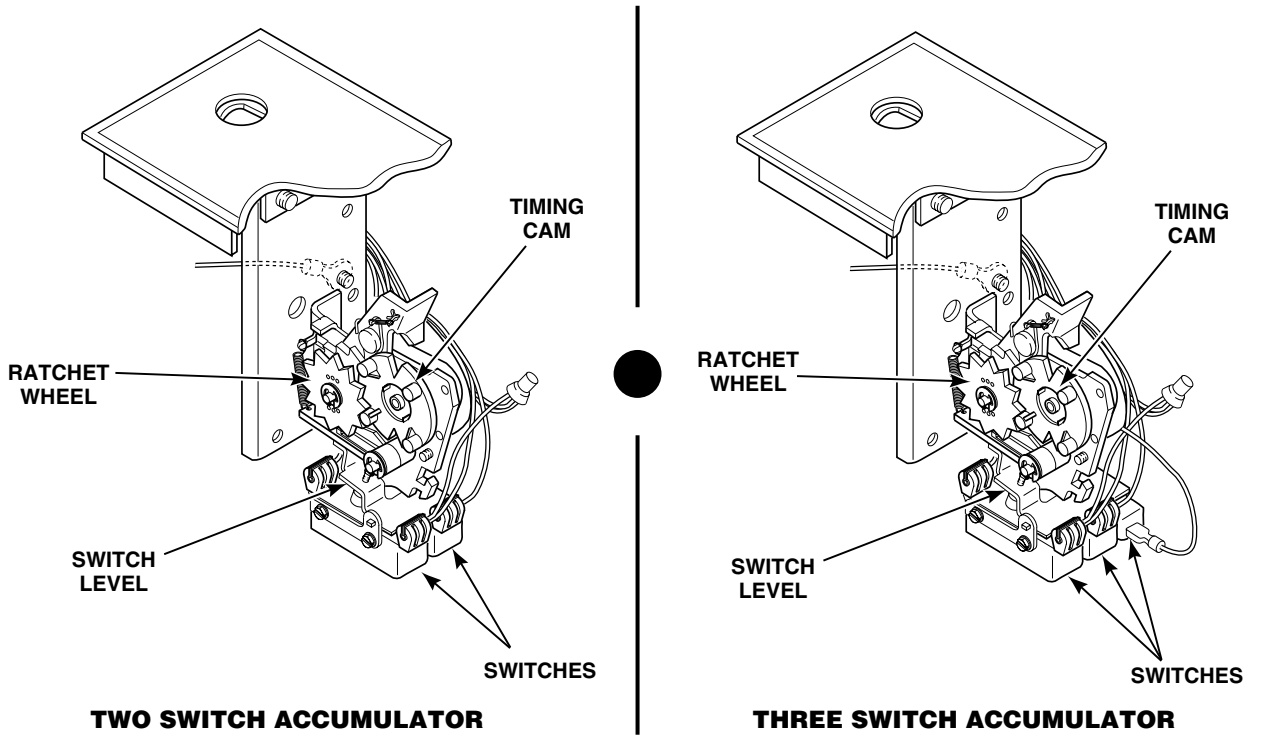

Figure 10

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. DUAL COIN DROP

a. Unlock and open service door.

NOTE: If screw type lock is used, the retainer bracket must be removed from inside meter case.

b. Disconnect wire harness from coin drawer switch and disconnect coin drops at disconnect plugs.

c. Press in on locking tabs of service door switch and remove switch from bracket on meter case. Refer to *Figure 11*.

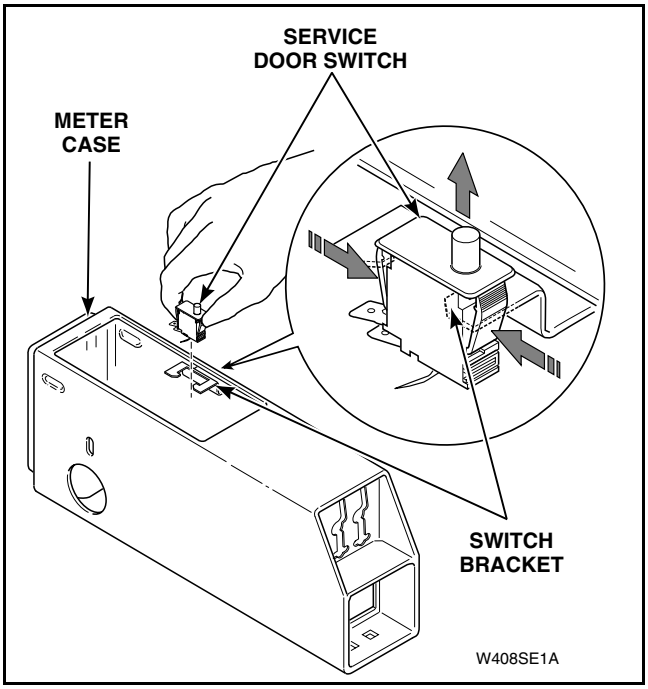

Figure 11

d. Remove wire harness from multiplier. Move wire harness out of the way. Refer to *Figure 12*.

e. Remove multiplier from inside meter case. Refer to *Figure 12*.

NOTE: Multiplier is held inside meter case by two Velcro strips.

f. Press in on locking tabs of coin drawer switch and remove switch through front of meter case. Refer to *Figure 12*.

g. Use a 7/16 inch socket with No. 310P4 1/4 inch Ratchet Extension Tool and remove two locknuts holding coin drop to front of meter case. Refer to *Figure 12*.

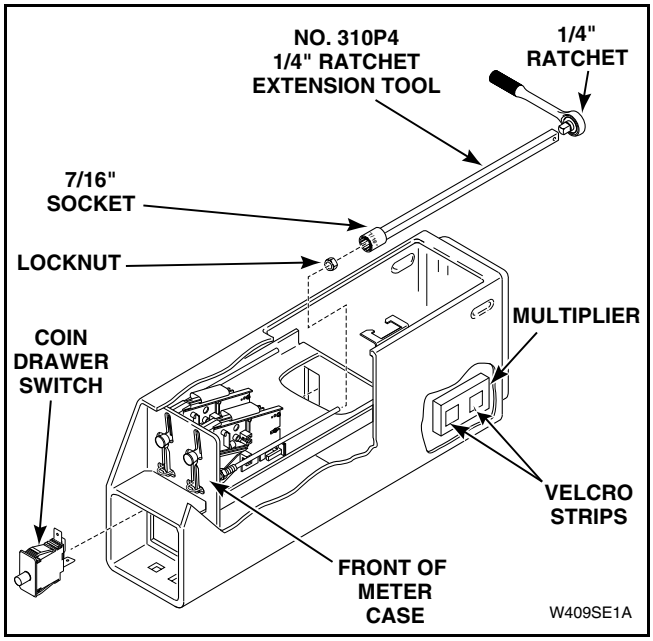

Figure 12

h. Lift back end of coin drop and pull straight back until bottom edge of the drop's front face plate falls behind the coin drawer housing. Refer to *Figure 13*.

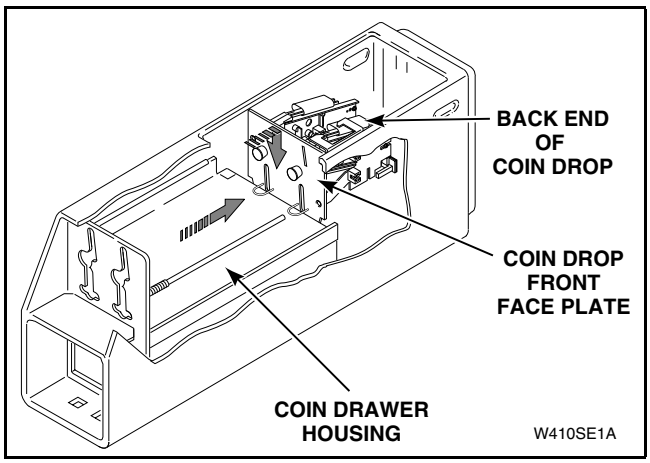

Figure 13

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. Lift up back end of coin drop until the two coin-return stops slide down past the coin drawer housing, as shown in *Figure 14*.

j. While holding back end of drop, allow drop's front face plate to rest on bottom of meter case. Refer to *Figure 14*.

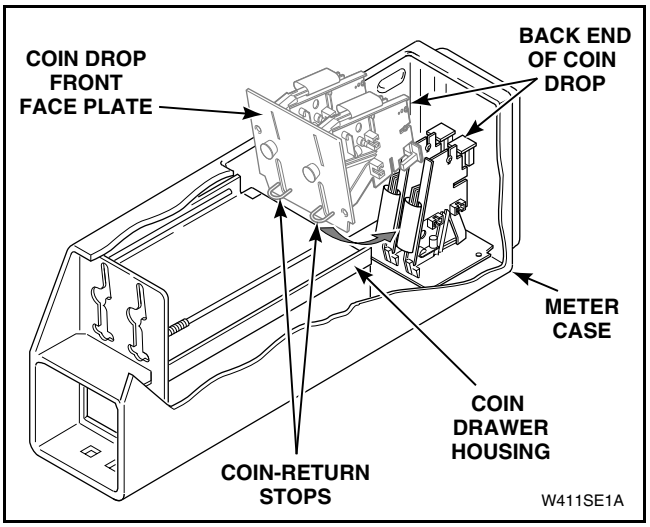

Figure 14

k. Carefully lift complete coin drop straight up and out of meter case. Refer to *Figure 15*.

NOTE: When lifting drop out of meter case, tip drop slightly so front face plate clears service door opening. Refer to *Figure 15*.

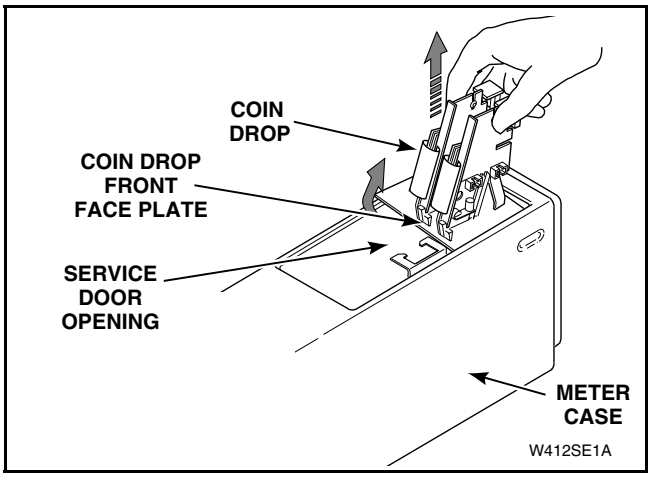

Figure 15

l. Gently work new coin drop into meter case with the drop's front face plate down. Refer to *Figure 16*.

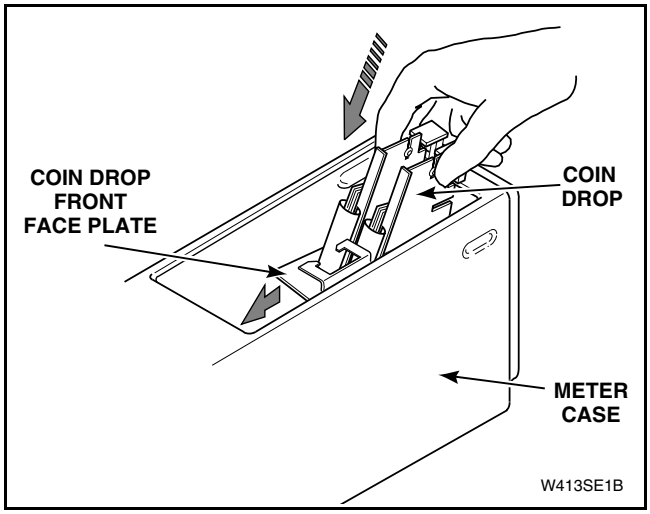

Figure 16

m. Carefully pull front of coin drop up and forward, so the drop's front face plate clears the meter case's door switch bracket. Refer to *Figure 17*.

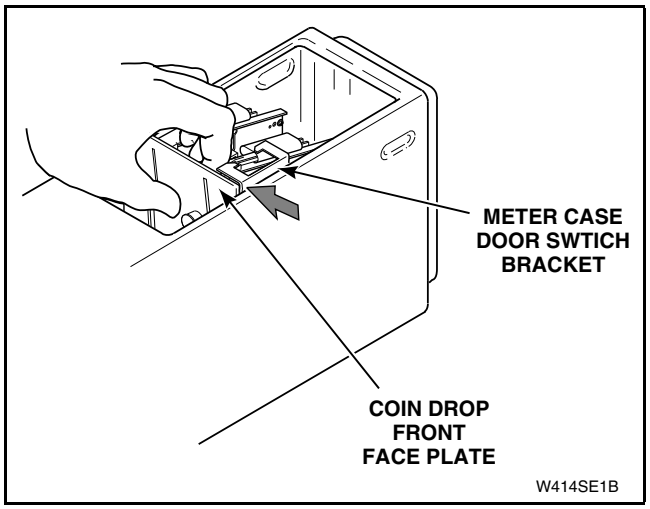

Figure 17

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

n. Rest the two coin-return stops on top of the coin drawer housing. Refer to *Figure 18*.

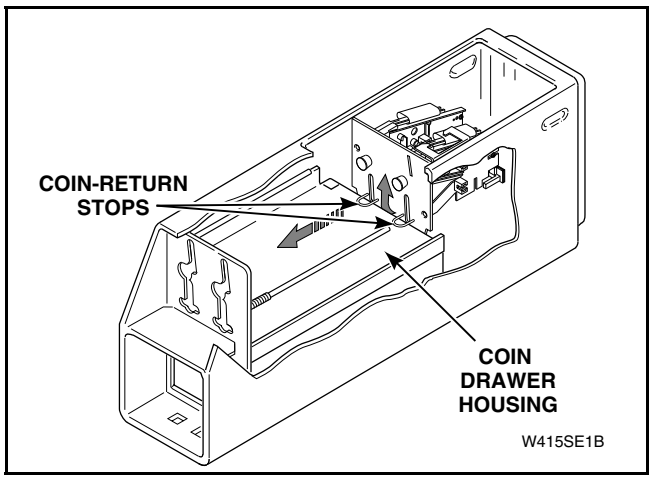

Figure 18

o. Grasp top of coin drop front face plate between the two drops. Refer to *Figure 17*.

p. Lift up front face plate of coin drop with one hand, while gently pushing down rear of drop with other hand, so the bottom of the drop's front face plate clears coin drawer housing. Refer to *Figure 19*.

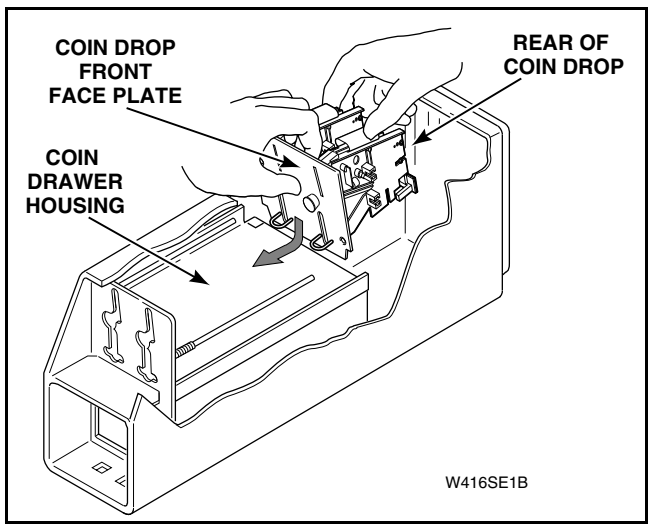

Figure 19

q. Carefully slide coin drop forward into position. Refer to *Figure 20*. (Front face plate of coin drop should be secure against front plate of meter case.)

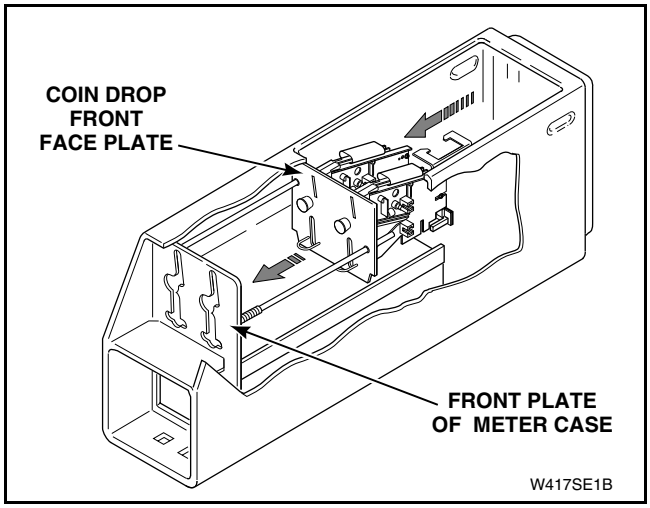

Figure 20

r. Using a 7/16 inch socket with No. 310P4 1/4 inch Ratchet Extension Tool, reinstall the 2 locknuts removed in Step 7. Tighten locknuts firmly.

s. Reinstall coin drawer switch, removed in Step 6.

t. Reconnect wires by referring to the wiring diagram located inside the control hood.

u. Reinstall service door switch and wire harness into meter case bracket. Refer to *Figure 11*.

v. Reinstall multiplier and reconnect wires. Refer to *Figure 12*.

w. Close and lock service door.

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. METER CASE (Metered Models)

a. Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top. Refer to *Figure 5*.

b. Disconnect all wires to components, and remove ground clip and screw holding ground wire to cabinet top and control panel. Refer to *Figure 4*.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

c. Insert key in service door lock on top of meter case and unlock door. Refer to *Figure 8*.

d. Lift rear of service door approximately 45° off meter case to disengage notched tabs with internal rib at top of meter case. Refer to *Figure 8*.

NOTE: When reinstalling service door and accumulator, front end of door must be inserted at about a 45° angle in order to engage notched tabs with internal rib at top of meter case.

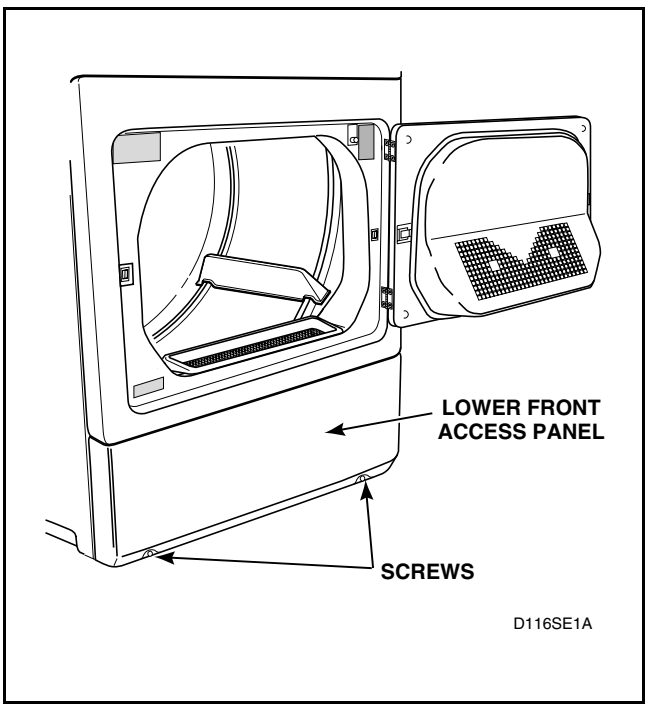

Figure 21

e. Disconnect accumulator wires at connectors. Refer to *Figure 8*.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

f. Remove ground screw holding green ground wire to accumulator mounting bracket. Refer to *Figure 8*.

g. Remove two cap screws holding meter case to cabinet top. Refer to *Figure 9*.

h. Remove nut, lockwasher and screw holding meter case to right end of control hood,

i. While supporting the lower access panel, remove two screws from bottom edge of lower access panel. Refer to *Figure 21*.

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

k. Remove two screws holding bottom tabs on front panel to dryer cabinet. Swing front panel away from dryer to disengage hold-down clips and guide lugs from cabinet top. Refer to *Figure 22*.

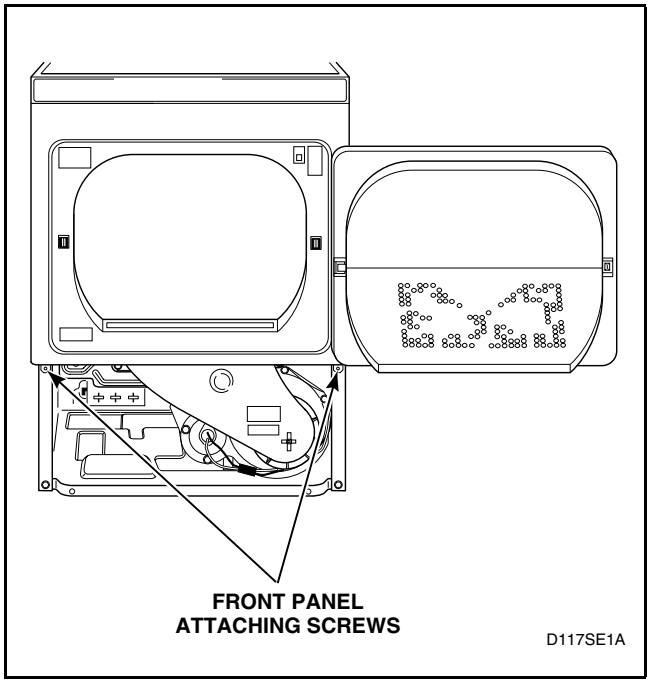

Figure 22

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

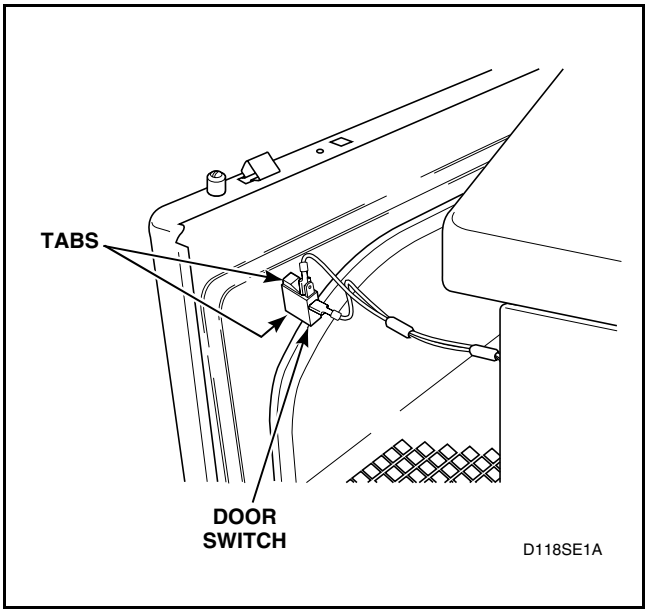

Figure 23

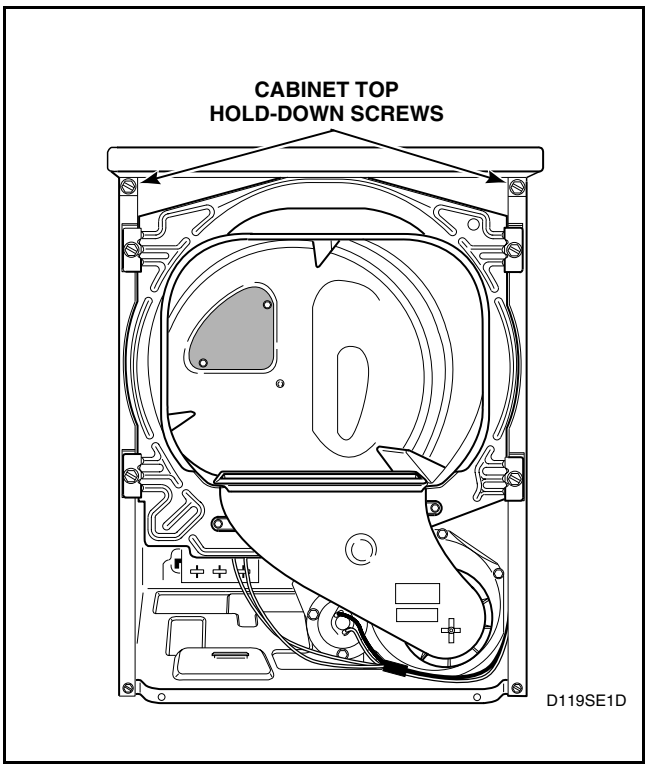

Figure 24

l. Disconnect wires from door switch. Refer to *Figure 23*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

m. Remove two cabinet top hold-down screws. Refer to *Figure 24*.

n. Lift cabinet top to a vertical position by hinging it on the rear hinges. Refer to *Figure 25*.

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

o. Carefully withdraw the wire harness through hole in cabinet top and lift the entire cabinet top assembly off the rear hinges. Refer to *Figure 25*.

p. Lay the cabinet top assembly flat, remove carriage bolts, washers, bracket, gasket and nuts holding meter case to cabinet top and remove meter case, *Figure 9*.

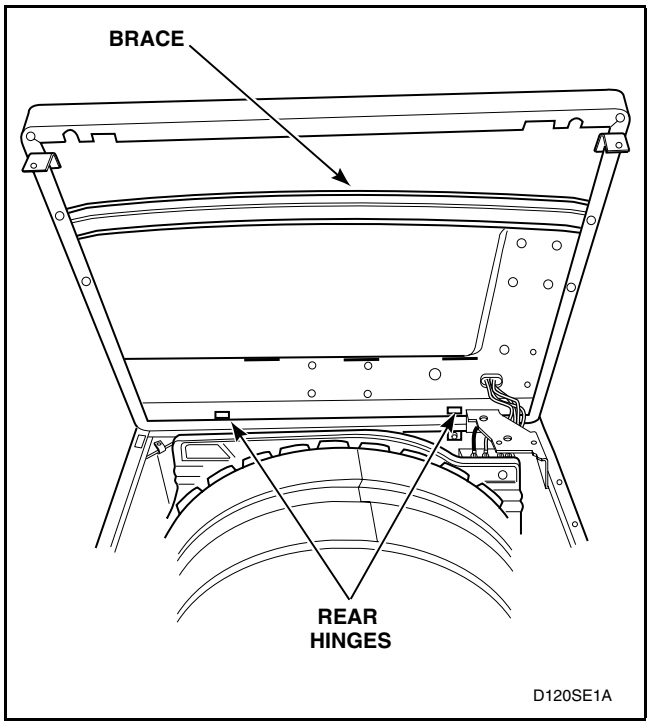

Figure 25

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

27. TIMER CASE (Nonmetered Models)

a. Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top. Refer to *Figure 5*.

b. Disconnect all wires from components and remove ground clip and screw holding ground wire to cabinet top and control panel. Refer to *Figure 4*.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

c. Remove four screws holding timer and plate to timer case. Refer to *Figure 7*.

d. Pull timer and plate out of timer case as far as wires will permit. Refer to *Figure 7*.

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

f. Disconnect wires from timer. Refer to *Figure 7*.

NOTE: Refer to appropriate wiring diagram when rewiring timer.

g. Remove cap screw, lockwashers and nut holding timer case to control hood. Refer to *Figure 7*.

h. While supporting the lower access panel, remove two screws from bottom edge of lower access panel. Refer to *Figure 21*.

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

j. Remove two screws holding bottom tabs on front panel to dryer cabinet. Swing front panel away from dryer to disengage hold-down clips and guide lugs from cabinet top. Refer to *Figure 22*.

k. Disconnect wires from door switch. Refer to *Figure 23*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

l. Remove two cabinet top hold-down screws. Refer to *Figure 24*.

m. Lift cabinet top to a vertical position by hinging it on the rear hinges. Refer to *Figure 25*.

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

n. Carefully withdraw wire harness through hole in cabinet top and lift the entire cabinet top assembly off the rear hinges. Refer to *Figure 25*.

o. Lay the cabinet top assembly flat and remove two carriage bolts, washers, lockwashers and nuts holding front of timer case to cabinet top. Refer to *Figure 7*.

p. Remove screw holding rear of case to cabinet top and remove case. Refer to *Figure 7*.

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

28. CABINET TOP (Nonmetered Models)

a. Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top. Refer to *Figure 5*.

b. Disconnect all wires to temperature switch, PUSH-TO-START switch and INDICATOR LIGHT and remove ground clip and screw holding ground wire to cabinet top and control panel. Refer to *Figure 4*.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

c. Remove four screws holding timer and plate to timer case. Refer to *Figure 7*.

d. Pull timer and plate out of timer case as far as wires will permit. Refer to *Figure 7*.

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

f. Disconnect wires from timer.

NOTE: Refer to appropriate wiring diagram when rewiring timer.

g. Remove cap screw, lockwashers and nut holding timer case to control hood. Refer to *Figure 7*.

h. Remove two screws holding control hood to cabinet top and lift hood off rear tabs. Refer to *Figure 7*.

i. While supporting the lower access panel, remove two screws from bottom edge of lower access panel. Refer to *Figure 21*.

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

k. Remove two screws holding bottom tabs on front panel to dryer cabinet. Swing bottom of front panel away from dryer to disengage hold-down clips and guide lugs from cabinet top. Refer to *Figure 22*.

l. Disconnect wires from door switch. Refer to *Figure 23*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

m. Remove two cabinet top hold-down screws. Refer to *Figure 24*.

n. Lift cabinet top to a vertical position by hinging it on the rear hinges. Refer to *Figure 25*.

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

o. Carefully withdraw wire harness through hole in cabinet top and lift the top off the rear hinges with timer case attached. Refer to *Figure 25*.

p. Lay cabinet top flat and remove two cap screws, washers, lockwashers and nuts holding front of timer case to cabinet top. Refer to *Figure 7*.

q. Remove screw holding rear of case to cabinet top and remove case. Refer to *Figure 7*.

r. Remove brace from underside of cabinet top by swinging one end toward front or rear. Refer to *Figure 25*.

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. CABINET TOP (Metered Models)

a. Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top. Refer to *Figure 5*.

b. Disconnect all wires to temperature switch, PUSH-TO-START switch and INDICATOR LIGHT and remove ground clip and screw holding ground wire to cabinet top and control panel. Refer to *Figure 4*.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

c. Insert key in service door lock on top of meter case and unlock door. Refer to *Figure 8*.

d. Lift rear of service door approximately 45° off meter case to disengage notched tabs with internal rib at top of meter case. Refer to *Figure 8*.

NOTE: When reinstalling service door and accumulator, front end of door must be inserted at about a 45° angle in order to engage notched tabs with internal rib at top of meter case.

e. Disconnect accumulator wires at connectors. Refer to *Figure 8*.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

f. Remove hex head ground screw holding green ground wire to accumulator mounting bracket. Refer to *Figure 8*.

g. Remove two cap screws (inside meter case) holding meter case to cabinet top. Refer to *Figure 9*.

h. Remove nut, lockwasher and screw holding meter case to right end of control hood. Refer to *Figure 9*.

i. Remove two screws holding control hood to cabinet top and lift hood off rear tabs. Refer to *Figure 5*.

j. While supporting the lower access panel, remove two screws from bottom edge of lower access panel. Refer to *Figure 21*.

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

l. Remove two screws holding bottom tabs on front panel to dryer cabinet. Swing bottom of front panel away from dryer to disengage hold-down clips and guide lugs from cabinet top. Refer to *Figure 22*.

m. Disconnect wires from door switch. Refer to *Figure 23*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

n. Remove two cabinet top hold-down screws. Refer to *Figure 24*.

o. Lift cabinet top to a vertical position by hinging it on the rear hinges. Refer to *Figure 25*.

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

p. Carefully withdraw the wire harness through hole in cabinet top and lift the top off the rear hinges with meter case attached. Refer to *Figure 25*.

q. Lay cabinet top flat, remove carriage bolts, washers, bracket, gasket, and nuts holding meter case to cabinet top and remove the meter case. Refer to *Figure 9*.

r. Remove brace from underside of cabinet top by swinging one end toward front or rear. Refer to *Figure 25*.

WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:
- **Disconnect electric power to the dryer(s) before servicing.**
- **Close gas shut-off valve to gas dryer(s) before servicing.**
- **Never start the dryer(s) with any guards/panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.**

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30. LINT FILTER

Refer to *Figure 26*

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

b. Lift filter out of front bulkhead.

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

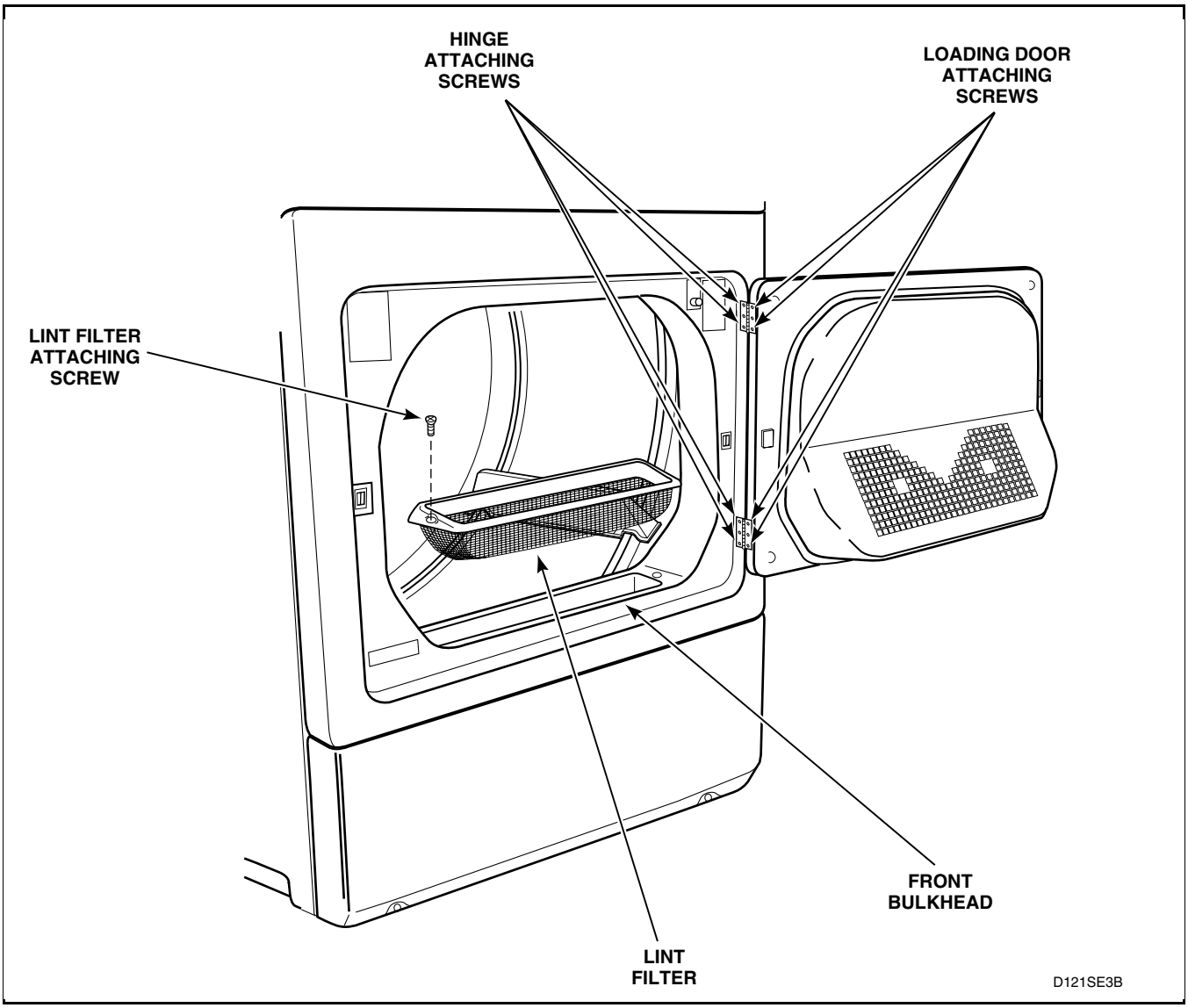

Figure 26

WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:
- **Disconnect electric power to the dryer(s) before servicing.**
- **Close gas shut-off valve to gas dryer(s) before servicing.**
- **Never start the dryer(s) with any guards/panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.**

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31. LOADING DOOR

a. Open loading door.

b. Remove screws holding loading door and hinges to front panel. Refer to *Figure 26*.

REVERSING DOOR PROCEDURE (Optional)

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 27*. Remove complete door assembly.

b. Remove screw from door pull and the remaining 11 screws around the door perimeter. Refer to *Figure 28*. Set hinges aside at this time.

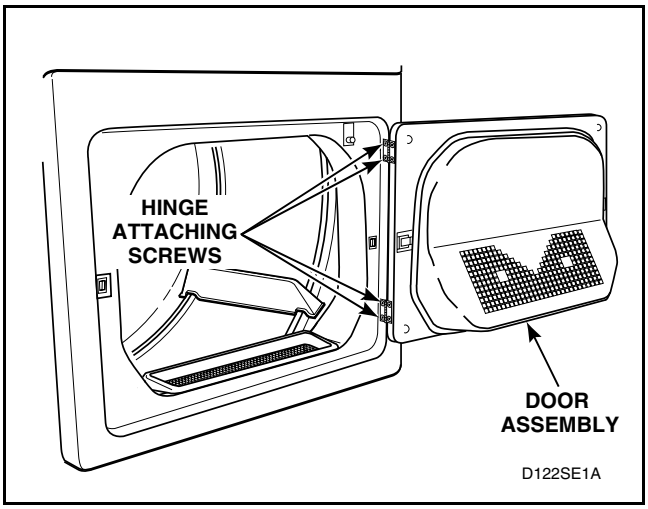

Figure 27

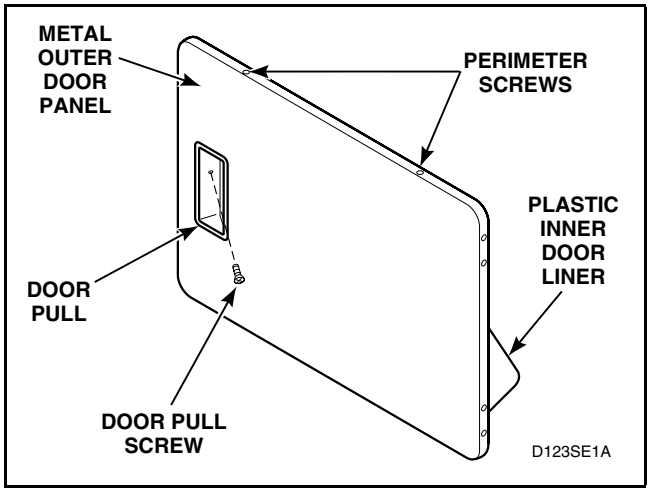

Figure 28

c. Remove plastic inner door liner (with the door strike attached) from the metal door panel. Refer to *Figure 28*.

d. Rotate the metal outer door panel 180 degrees.

e. Remove door strike from door liner and reinstall strike on opposite side. Refer to *Figure 29*.

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.

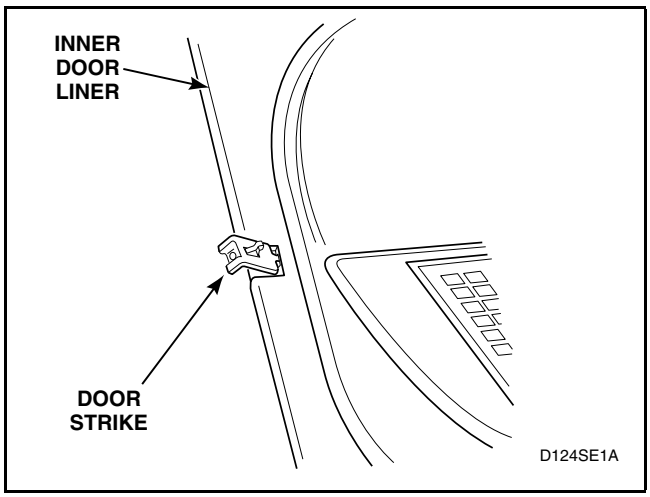

Figure 29

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.**

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f. Reinstall the two hinges on the side of door opposite of door pull and door strike. Refer to *Figure 30*.

NOTE: Screw the hinges onto door with the hinge pin facing the front of the door. Refer to *Figure 30*.

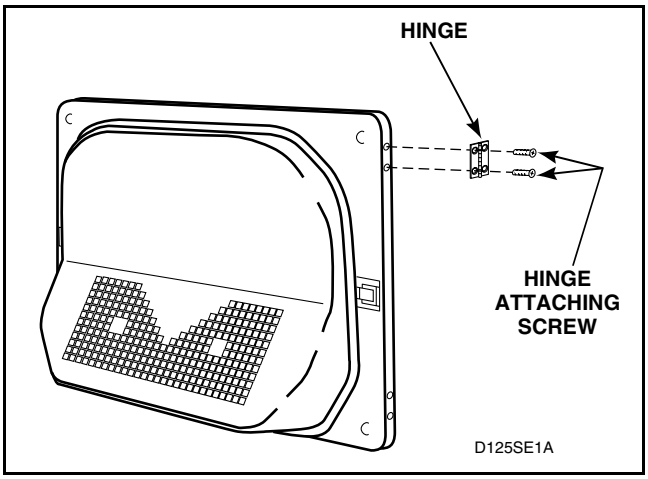

Figure 30

g. Reinstall door pull screw and the remaining seven 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 31*.

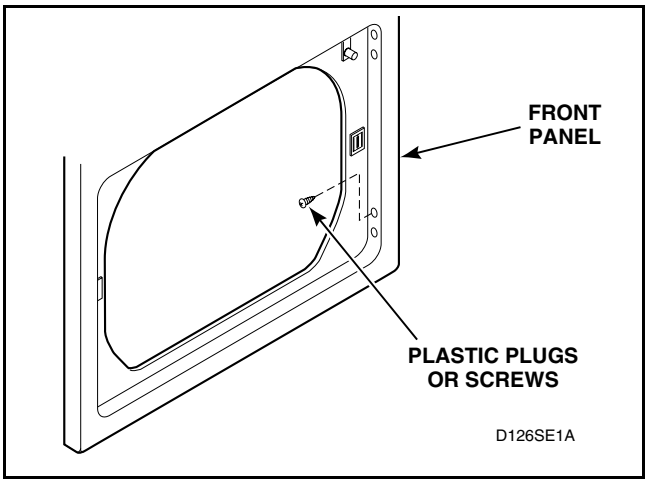

Figure 31

i. While supporting door assembly, secure hinges to front panel using the four remaining screws. Refer to *Figure 32*. Tighten all screws firmly.

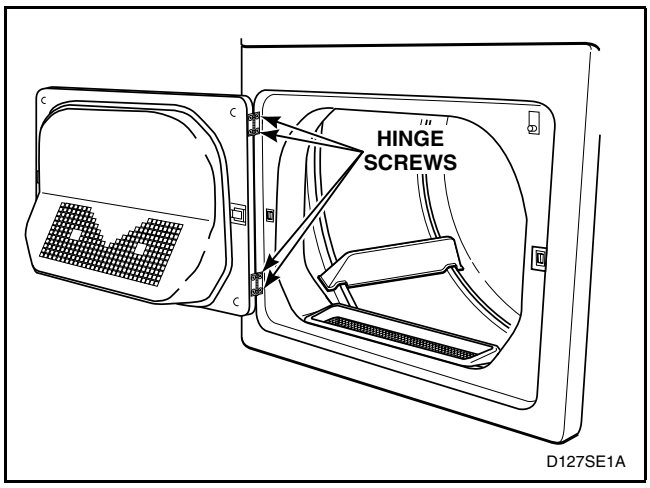

Figure 32

32. INNER AND OUTER DOOR PANELS AND DOOR PULL

a. Remove four screws holding door assembly to hinges. Refer to *Figure 26*.

b. Remove screw from door pull and the remaining seven screws around the door perimeter and separate panels. Refer to *Figure 33*.

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

IMPORTANT: Do not over-tighten screw when reinstalling door pull.

WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:
- **Disconnect electric power to the dryer(s) before servicing.**
- **Close gas shut-off valve to gas dryer(s) before servicing.**
- **Never start the dryer(s) with any guards/panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.**

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33. DOOR STRIKE

a. Open loading door.
b. Remove screw holding door strike and bracket to loading door, and remove strike and bracket. Refer to *Figure 33*.

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

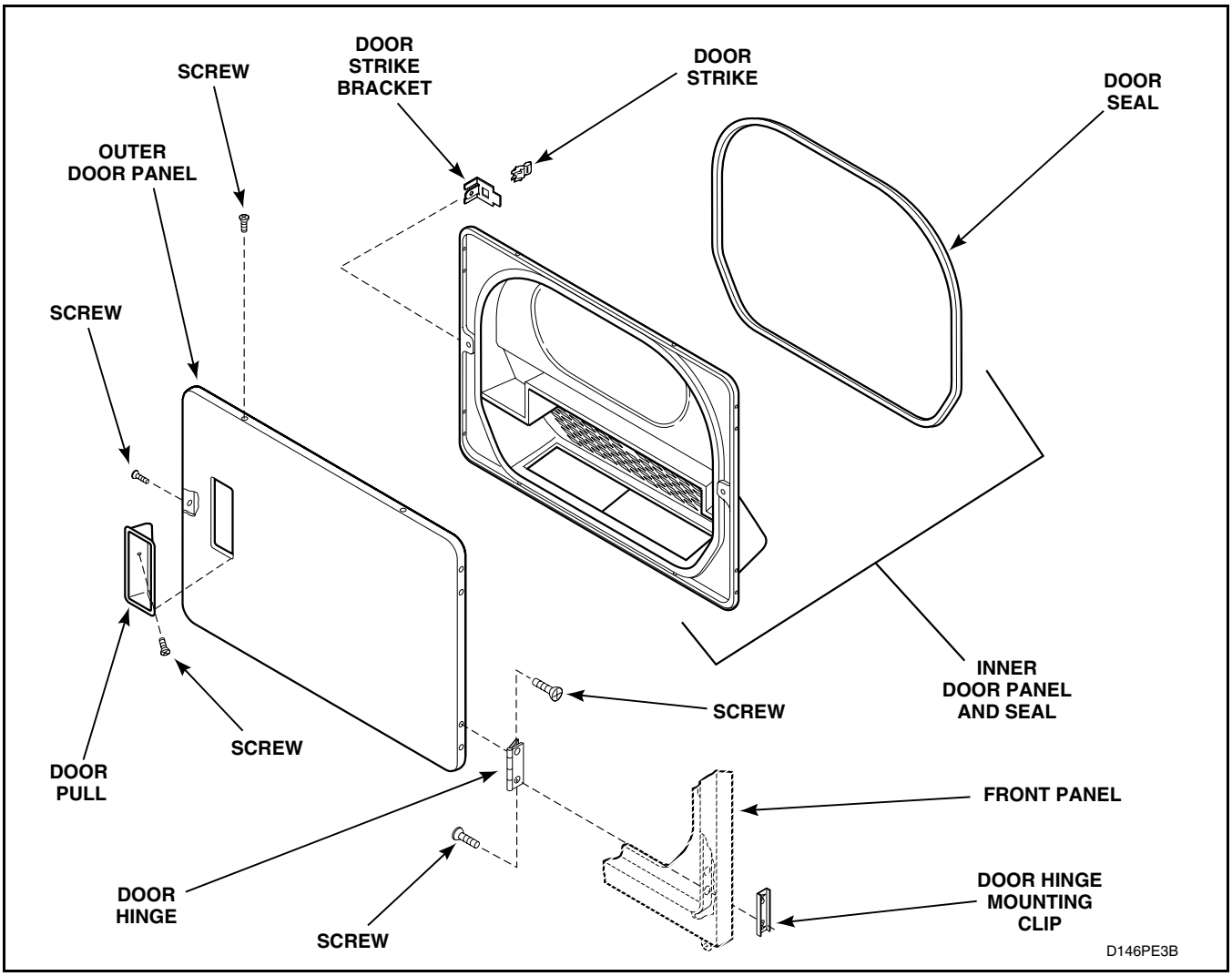

Figure 33

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.**

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34. 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 34*.

NOTE: When replacing seal, be 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 34*.

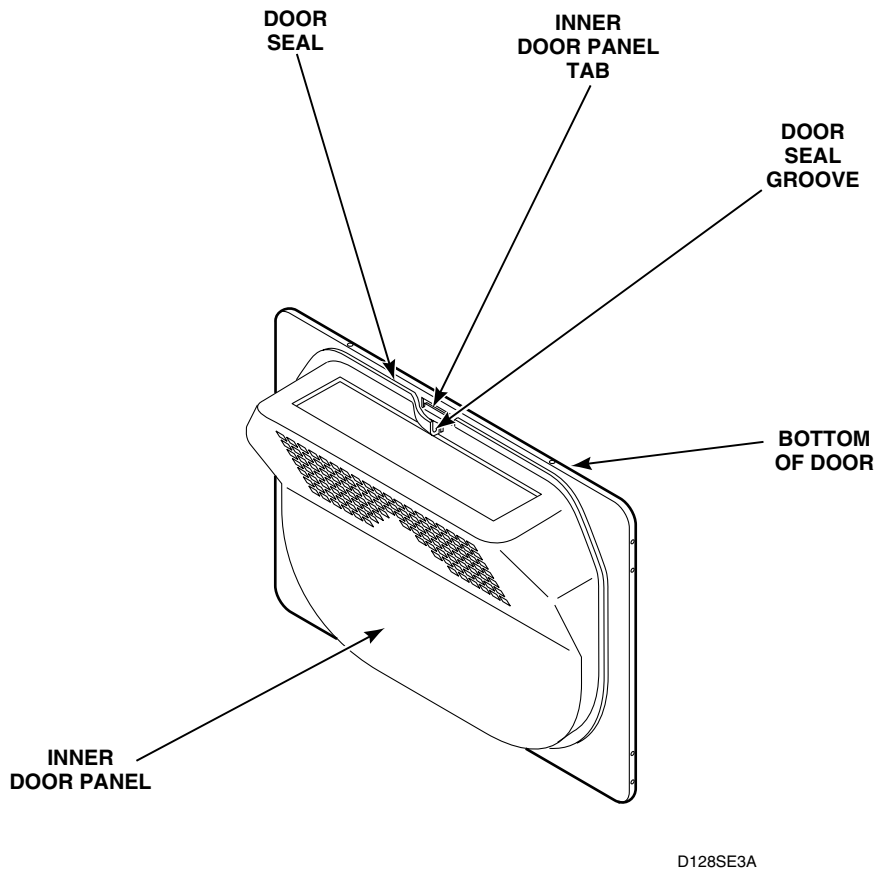

Figure 34

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.**

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35. 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 21*.
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 22*. 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 23*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

e. Remove front panel seal from flange around inside of door opening. Refer to *Figure 35*.

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

36. DOOR SWITCH

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 21*.
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 22*. 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 23*.

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 23*.

To Test Door Switch

1. Disconnect wires from door switch. Refer to *Figure 23*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

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

37. DOOR CATCH

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 21*.
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 22*. 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 23*.

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 35*.

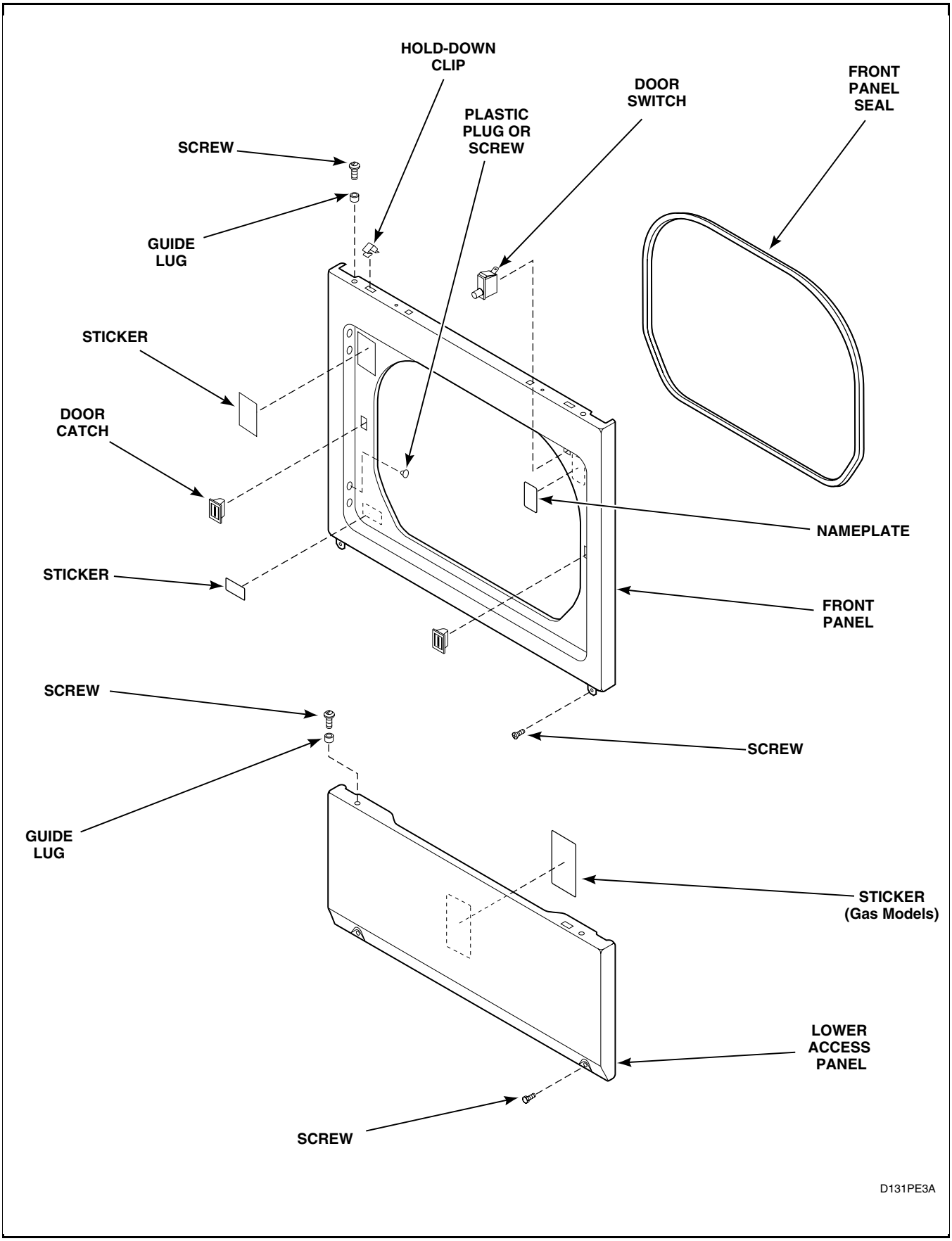

Figure 35

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.**

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38. DOOR HINGE

a. Open loading door. While supporting door, remove four screws holding door assembly and hinges to front panel. Refer to *Figure 36*.

b. Remove four screws holding hinges to loading door. Refer to *Figure 36*.

39. 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 21*.

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 22*. Swing bottom edge 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 23*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

e. Compress hold-down clips and remove from slot in top flange of front panel.

f. Remove screws holding guide lugs to access panel or front panel. Refer to *Figure 35*.

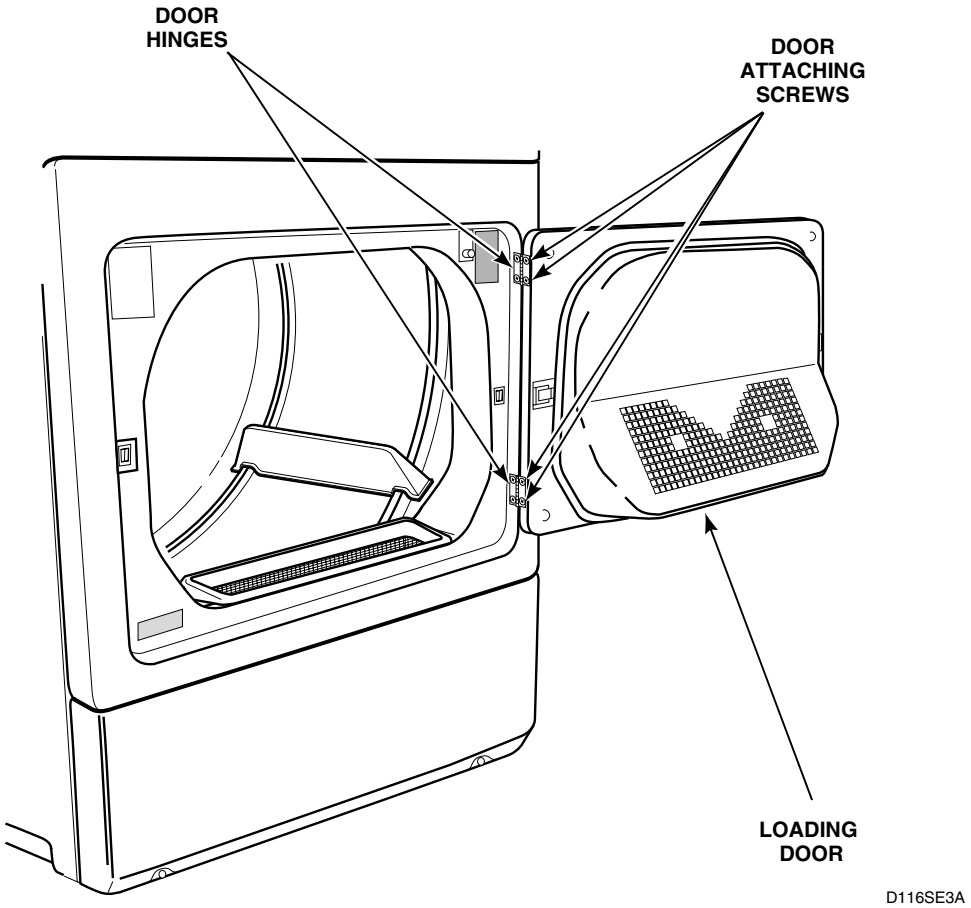

Figure 36

WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:
- **Disconnect electric power to the dryer(s) before servicing.**
- **Close gas shut-off valve to gas dryer(s) before servicing.**
- **Never start the dryer(s) with any guards/panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.**

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40. BURNER SYSTEM OPERATION (Gas Models)

Refer to *Figure 37*

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.

41. IGNITION SYSTEM FEATURES (Gas Models)

Refer to *Figure 37*

a. **Momentary Power Interruption**

Upon resumption of power, flame 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. Flame sensor will continue to recycle the igniter and secondary valve (about once per minute) until ignition is made or dryer is turned off.

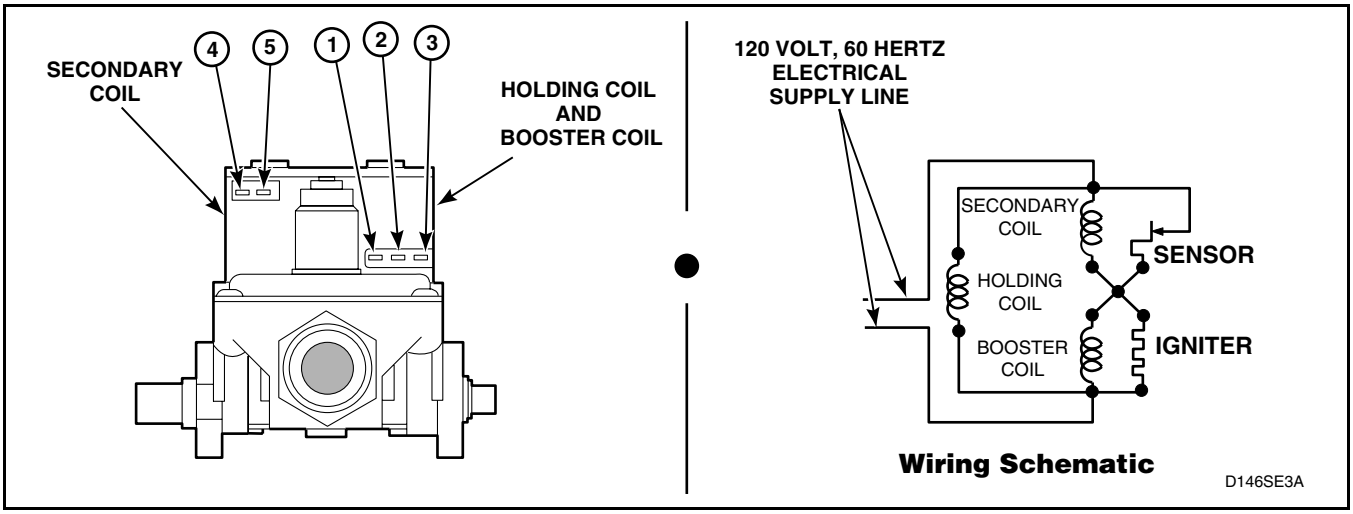

Figure 37

WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:
- **Disconnect electric power to the dryer(s) before servicing.**
- **Close gas shut-off valve to gas dryer(s) before servicing.**
- **Never start the dryer(s) with any guards/panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.**

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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 37*.
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 37*. Meter should register line voltage in all Fabric settings, except FLUFF which should read "zero" VAC.
4. If meter does not read line voltage in step "f", check motor switch, thermostats, fabric switch, accumulator, or timer.

To Test Gas Valve Coils (Gas Models)

1. Remove disconnect blocks from gas valve coils. Refer to *Figure 37*.
2. Set test meter to read OHMS and put meter probes to terminals as follows:
   a. Holding Coil (Refer to *Figure 38*) – Terminals 1 and 2 - Meter should read 1365 ± 25 Ohms.
   b. Booster Coil (Refer to *Figure 38*) – Terminals 1 and 3 - Meter should read 560 ± 25 Ohms.
   c. Secondary Coil (Refer to *Figure 38*) – 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.

NOTE: Test procedure can be performed on workbench if gas valve, igniter, burner tube and burner housing have been removed from dryer.

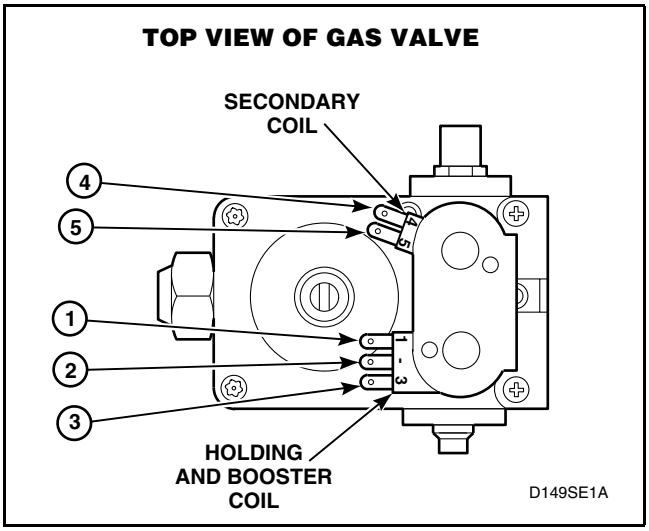

Figure 38

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

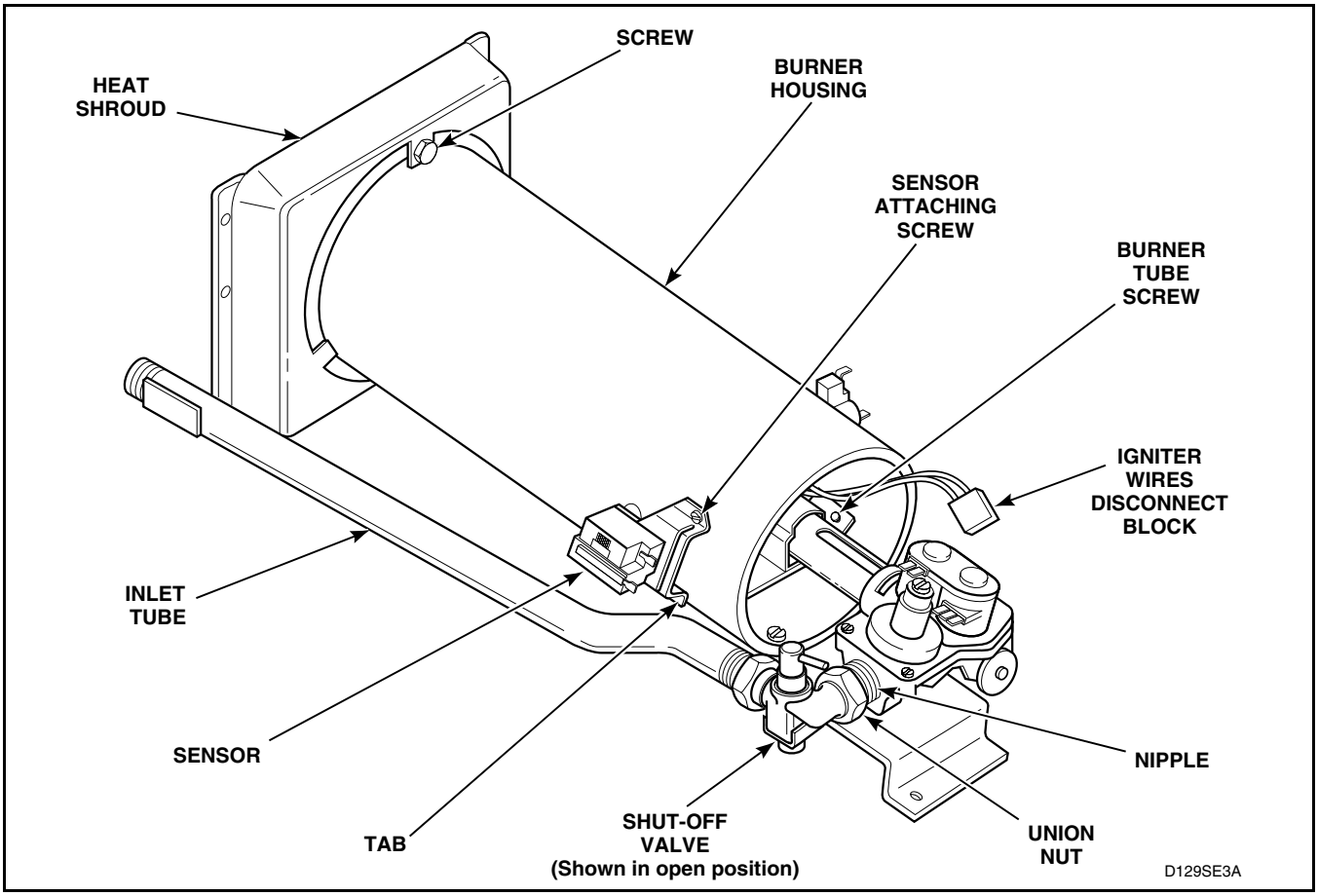

Figure 39

42. 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 21*.

(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 41*.

(4) Disconnect gas shut-off valve from gas valve at the union nut. Refer to *Figure 39*.

(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 39*.

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.

WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:
- **Disconnect electric power to the dryer(s) before servicing.**
- **Close gas shut-off valve to gas dryer(s) before servicing.**
- **Never start the dryer(s) with any guards/panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.**

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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 39*.
(2) Gently move burner tube toward rear of dryer to disengage tab from slot on left side of burner housing. Refer to *Figure 39*.
(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 40*.

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.

To Test Igniter (Gas Models)

1. Disconnect igniter wires at disconnect block. Refer to *Figure 39*.
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 100 to 800 Ohms. If meter registers other than 100 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 procedure can be performed on workbench if gas valve, igniter, burner tube and burner housing have been removed from 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.**

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c. **Sensor**

(1) While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 21*.

(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 39*.

(4) Remove screw holding sensor to burner housing. Refer to *Figure 39*.

To Test Sensor (Gas Models)

1. Remove wires from sensor terminals. Refer to *Figure 39*.
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.

NOTE: Test procedure can be performed on workbench if gas valve, igniter, burner tube and burner housing have been removed from dryer.

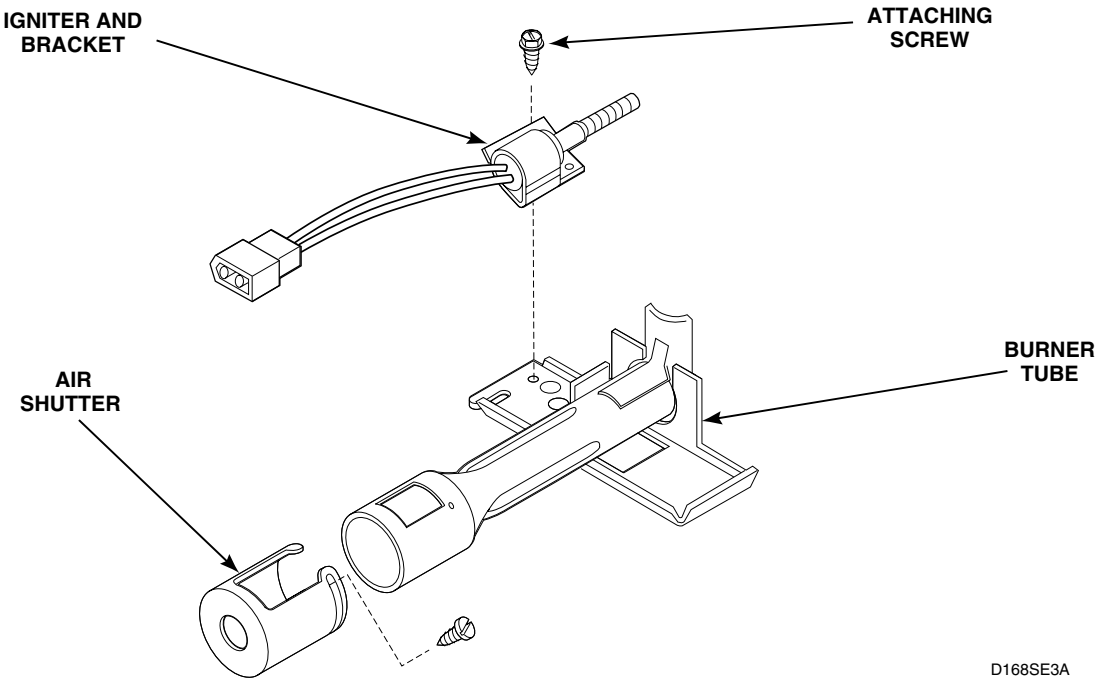

Figure 40

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.**

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43. 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 21*.
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 41*.
d. Remove screw from right side of burner housing holding burner tube in place. Refer to *Figure 41*.
e. Gently move burner tube toward rear of dryer to disengage tab from slot on left side of burner housing. Refer to *Figure 39*.
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 39*.
i. Remove screw holding front of burner housing to dryer base and remove housing out through front of dryer. Refer to *Figure 41*.
j. Remove two screws holding shroud to heater box and take shroud out through front of dryer.

44. LIMIT THERMOSTAT

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 21*.
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 41*.

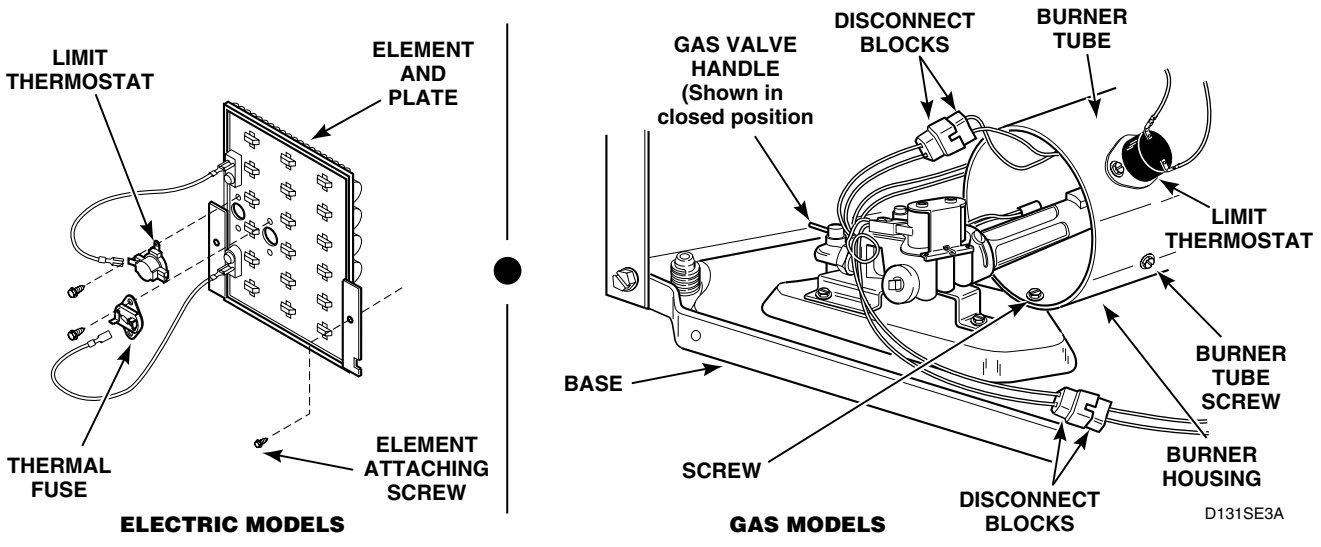

Figure 41

WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:
- **Disconnect electric power to the dryer(s) before servicing.**
- **Close gas shut-off valve to gas dryer(s) before servicing.**
- **Never start the dryer(s) with any guards/panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.**

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To Test Cycling or Limit Thermostat

1. Disconnect wires from thermostat. Refer to *Figure 41* or *Figure 42*.

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 42*.
   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”.

45. 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 21*.
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 41*.
d. Disconnect wires from element and plate. Refer to *Figure 41*.
e. Remove screws holding thermostat and thermal fuse to element plate. Refer to *Figure 41*.

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

46. THERMOSTAT AND HEATER

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 21*.
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 42*.

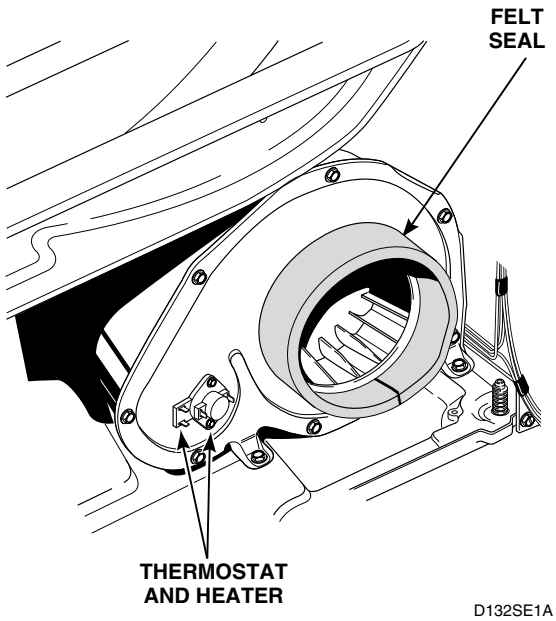


Figure 42

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

To Test Thermostat Heater

1. Disconnect wires from thermostat heater. Refer to *Figure 42*.

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.

To Test Thermal Fuse (Electric Models)

1. Disconnect wires from thermal fuse. Refer to *Figure 41*.

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

2. Set meter to read OHMS. 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.

To Test Heater Assembly (Electric Models)

1. Disconnect wires from heater assembly. Refer to *Figure 41*.

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	204 V 50 Hz.	16.7 ± .5 Ohms cold

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

47. FRONT AIR DUCT

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 21*.

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 26*.

IMPORTANT: When installing lint filter, be 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 43*.

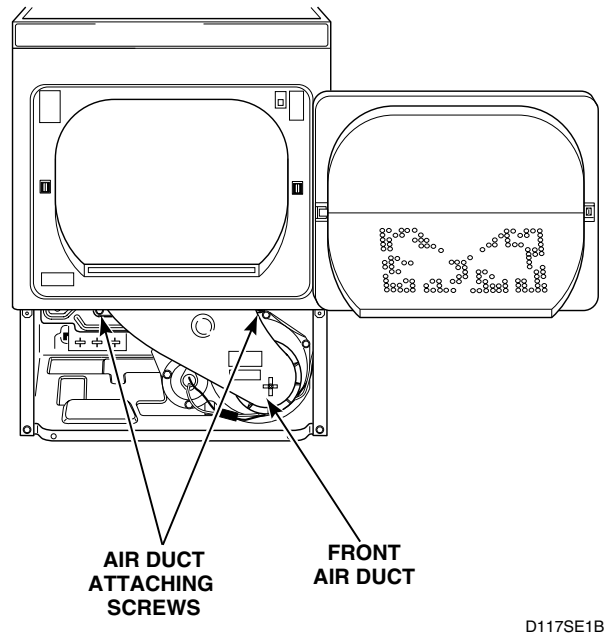


Figure 43

IMPORTANT: When reassembling, be sure felt seal on exhaust fan cover makes air tight seal on flange of duct. Refer to *Figures 42* and *43*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can cause fire and dryer malfunction.

48. 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 21*.

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 26*.

NOTE: When installing lint filter, be 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 43*.

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, be sure felt seal on exhaust fan cover makes air tight seal on flange of duct. Refer to *Figures 42* and *43*. 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 44*.

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

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

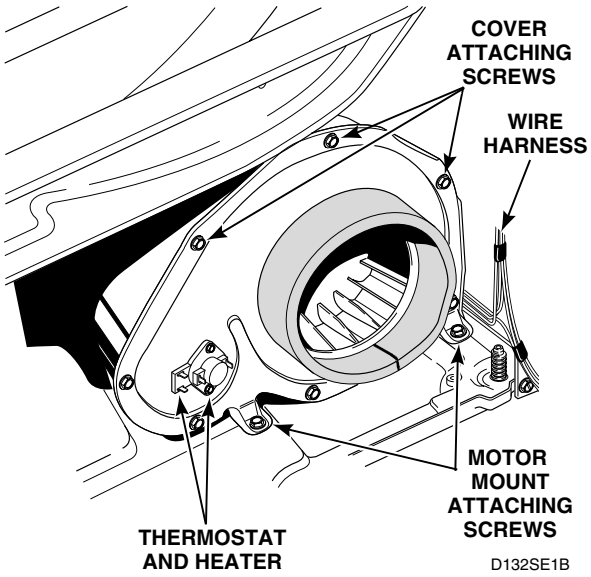


Figure 44

f. Remove cylinder belt from idler and motor pulleys. Refer to *Figure 45*.

NOTE: When installing belt, be sure belt is properly installed on motor and idler pulleys, and is on the correct side of the idler lever. Refer to *Figure 45*. Belt must be positioned around cylinder approximately three inches ahead of the rear rib on cylinder. Refer to *Figure 53*, with the ribbed surface of the belt against the cylinder. 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 48*.

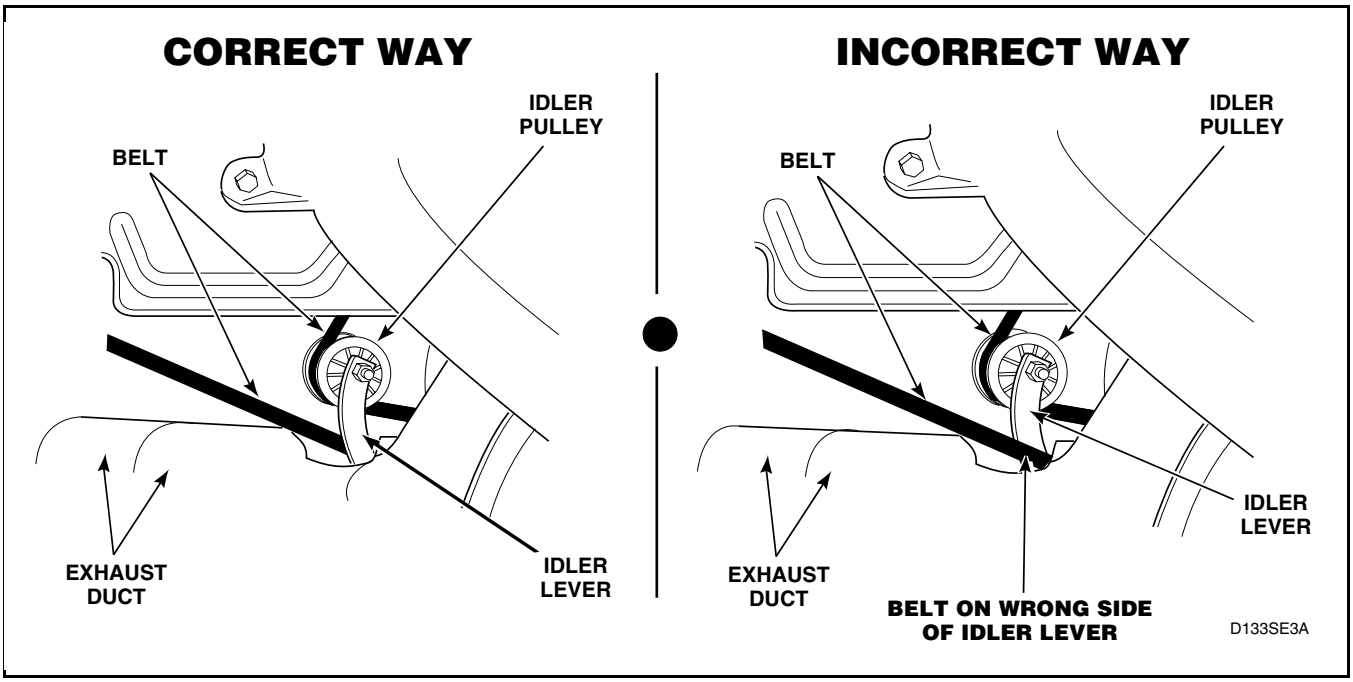


Figure 45

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

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 44*. Tab on rear of motor mounting bracket must be slid into slot in dryer base. Be sure the belt has been installed on the correct side of the idler lever. Refer to *Figure 45*.

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.

j. **Motor pulley and idler pulley assemblies.** Refer to *Figure 46* for motor and idler pulley removal.

NOTE: Unthread motor pulley from motor shaft (left hand thread).

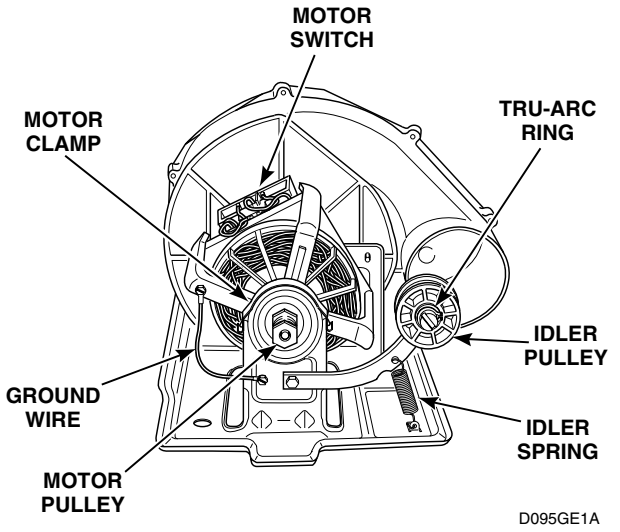


Figure 46

k. **Impeller and housing.**
   (1) Remove screws holding cover to housing. Refer to *Figure 44*.
   (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 47*.

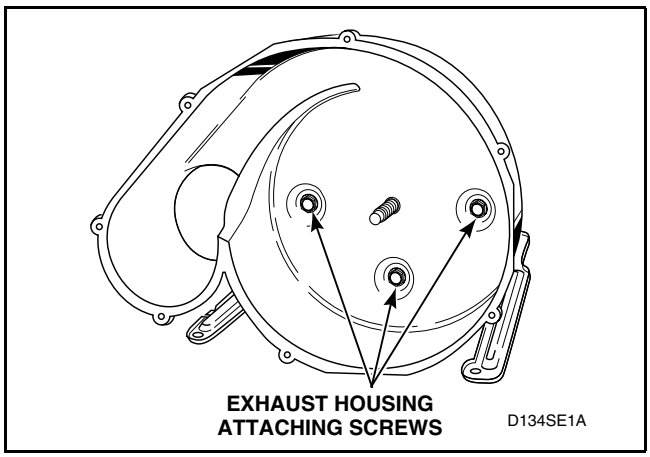


Figure 47

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

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 away from motor. Refer to *Figure 48*.

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, be 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 46*.

(3) Use a screwdriver and pry two motor clamps off motor mounting bracket. Refer to *Figure 46*. 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) in the motor mounting bracket. Refer to *Figure 46*.

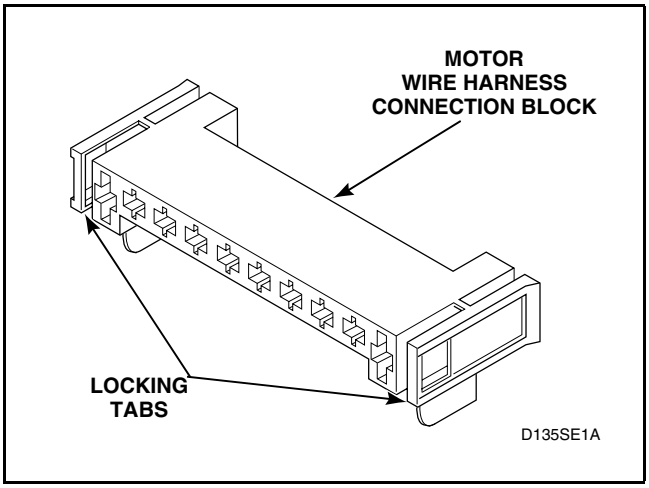


Figure 48

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 49*

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.

Drive Motor Resistance	
120 Volt	2,460 - 3,100 Ohms
240 Volt	10,900 - 13,300 Ohms

(continued)

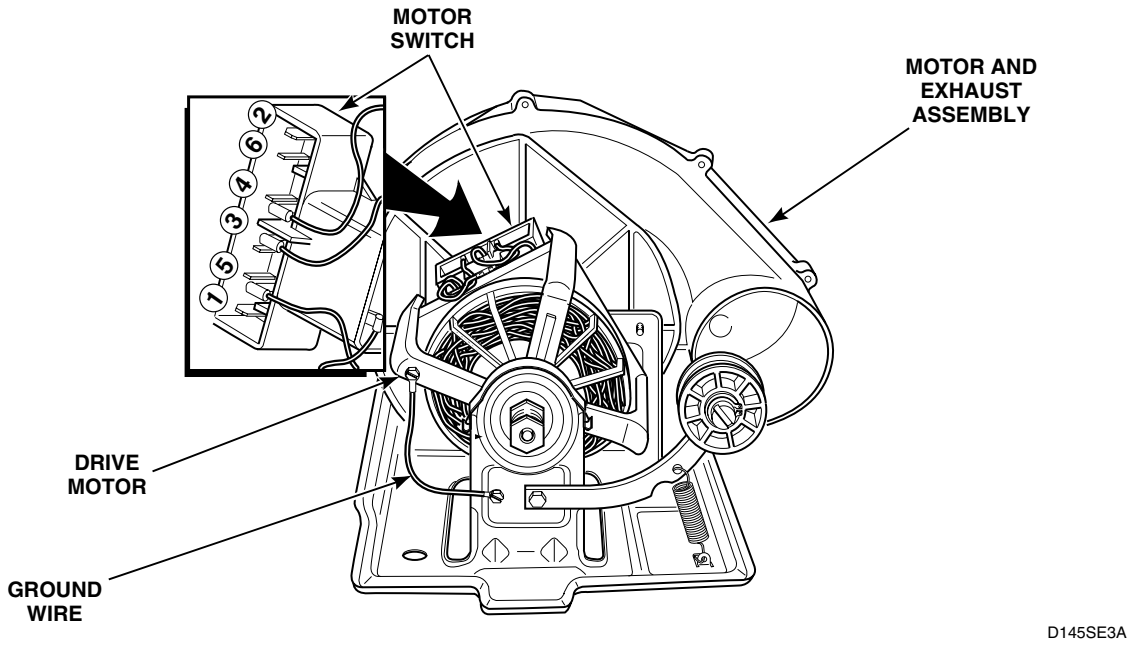


Figure 49

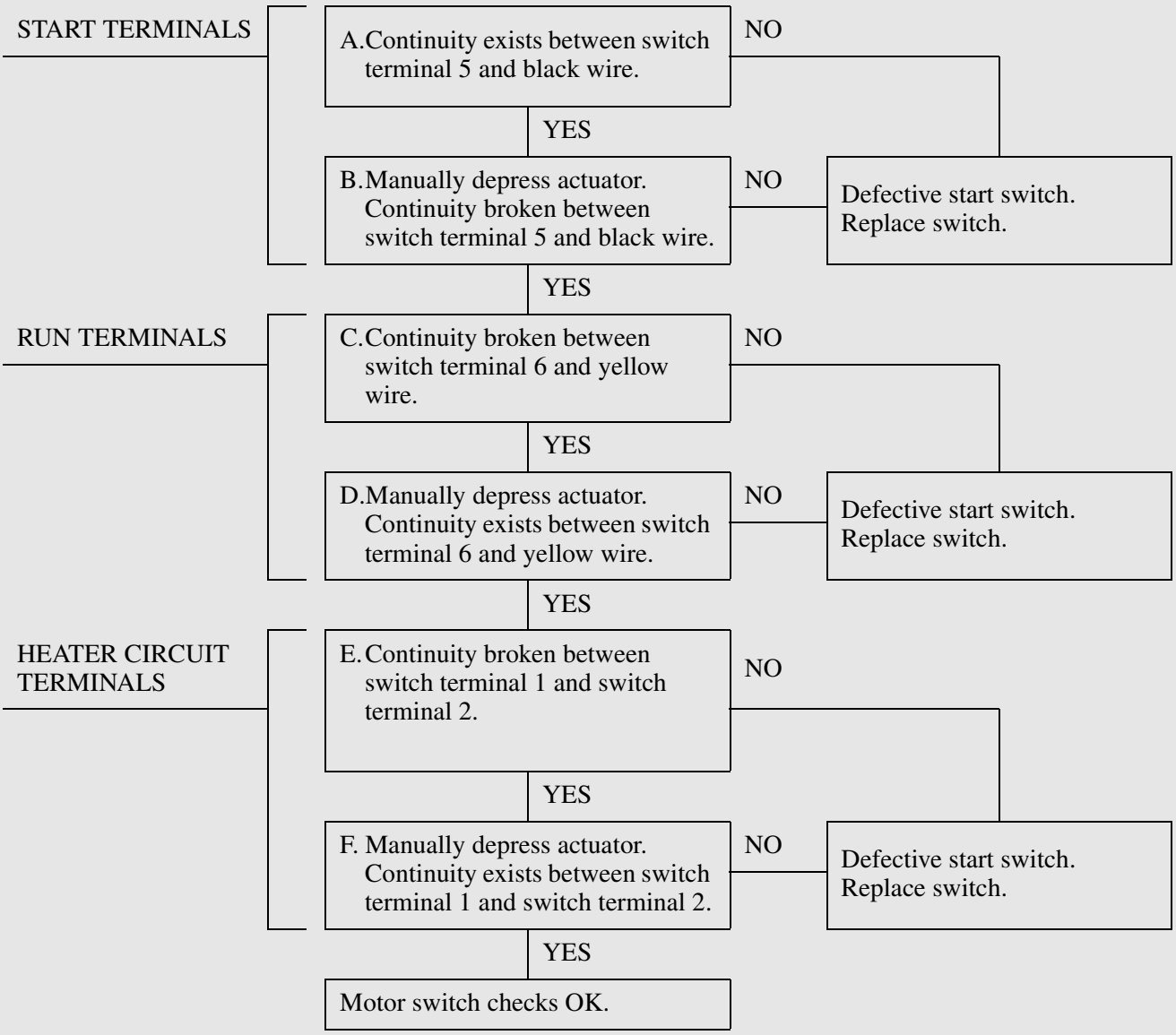
WARNING

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

To Test Drive Motor: (continued)

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



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

5. Indicate whether YES, the motor passed this test or, NO it failed this test

[Y] Yes [N] No

DRYER MOTOR FAILURE

Motor Switch:	Start Terminals	☐	A
		☐	B.
	Run Terminals:	☐	C.
		☐	D.
	Heater Circuit Terminals:	☐	E.
		☐	F.
Motor Windings:	Start winding:	☐	G.
	Run winding:	☐	H.
	Protector:	☐	I.

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. **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 50*.

(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 50*.

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.

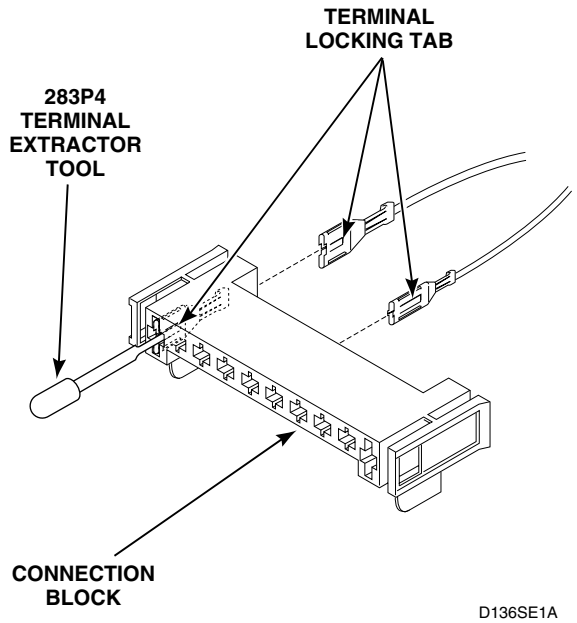


Figure 50

49. FRONT BULKHEAD ASSEMBLY

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 21*.

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 22*. 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 23*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

e. Disengage belt from motor and idler pulleys. Refer to *Figure 45*.

NOTE: When installing belt, be sure belt is properly installed on motor and idler pulleys, and is on the correct side of the idler lever. Refer to *Figure 45*. 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. 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 51*. 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 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

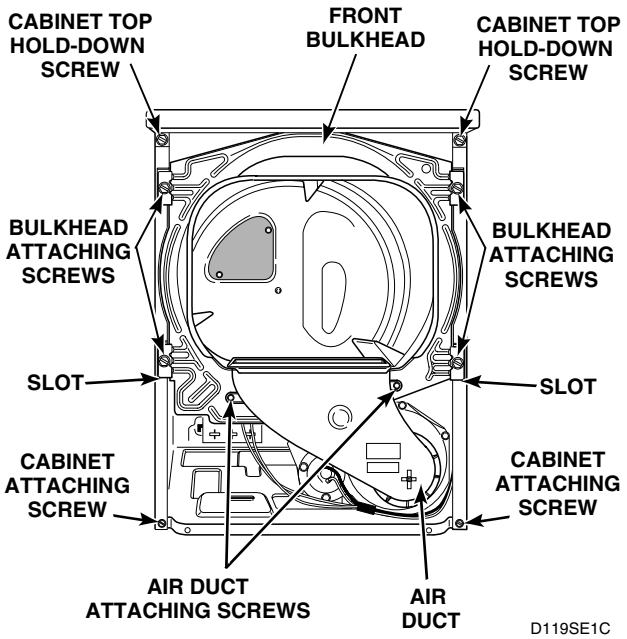


Figure 51

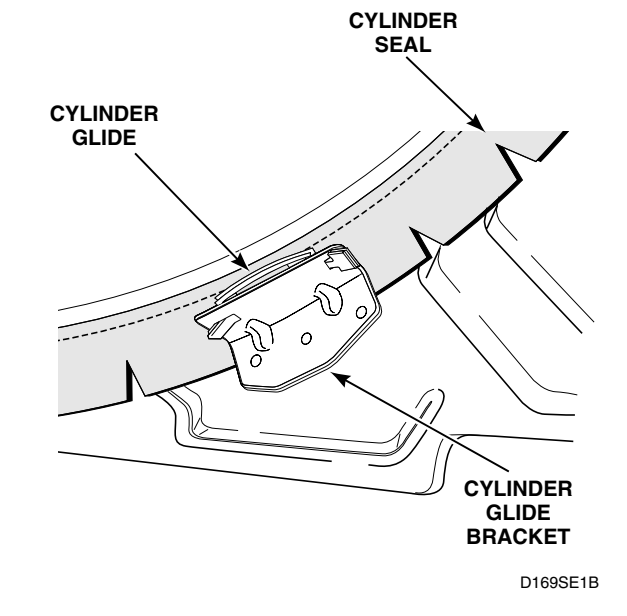


Figure 52

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, be sure felt seal on exhaust fan cover makes airtight seal on flange of duct. Refer to *Figures 42* and *43*. 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 52*)
   (1) Unsnap glides from each glide bracket and remove glides and pads.

h. Front cylinder seal (Refer to *Figure 52*)
   (1) 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.

50. CYLINDER BELT

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 21*.
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 22*. 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 23*.

NOTE: Refer to appropriate wiring diagram when rewiring 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

e. Disengage belt from motor and idler pulleys. Refer to *Figure 45*.

f. Remove four screws holding bulkhead to front flange of cabinet and lift complete bulkhead assembly out of slots in cabinet. Refer to *Figure 51*.

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 52*.

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: During reinstallation of front bulkhead, be sure that air duct is properly positioned with the flange inside of the felt seal on the exhaust fan cover. Refer to *Figure 42*. 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.

NOTE: When installing belt, be sure belt is properly installed on motor and idler pulleys, and is on the correct side of the idler lever. Refer to *Figure 45*. 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 53*. After installing belt, manually rotate cylinder counterclockwise to check that belt is properly aligned.

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

51. CYLINDER ASSEMBLY

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 21*.

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 22*. 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 23*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

e. Disengage belt from motor and idler pulleys. Refer to *Figure 45*.

NOTE: When installing belt, be sure belt is properly installed on motor and idler pulleys, and is on the correct side of the idler lever. Refer to *Figure 45*. 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. After installing belt, manually rotate cylinder counterclockwise to check that belt is properly aligned. Refer to *Figure 53*.

f. Remove four screws holding bulkhead to front flange of cabinet and lift complete bulkhead assembly out of slots in cabinet. Refer to *Figure 51*.

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 52*.

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: During reinstallation of front bulkhead, be sure that air duct is properly positioned with the flange inside of the felt seal on the exhaust fan cover. Refer to *Figure 42*. 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 screws. Refer to *Figure 51*.

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. **Baffles**
Remove screws holding baffles to cylinder. Refer to *Figure 53*.

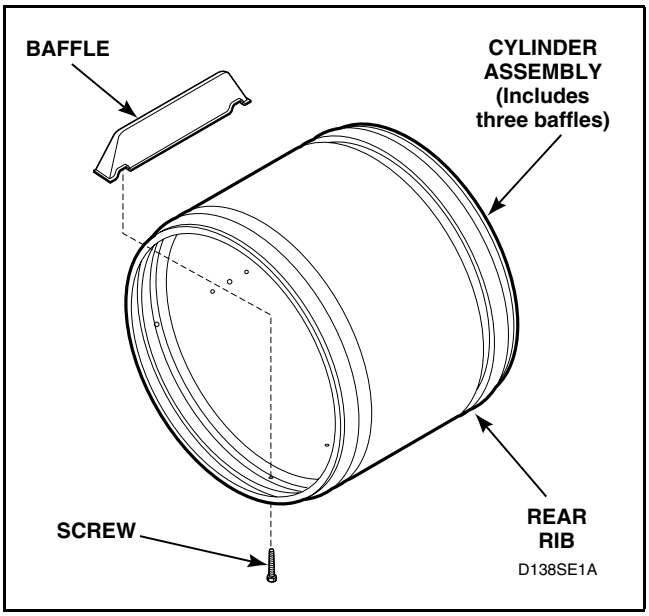


Figure 53

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

52. REAR SEAL

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 21*.

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 22*. 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 23*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

e. Remove two cabinet top hold-down screws. Refer to *Figure 51*.

f. Insert key in service door lock on top of meter case and unlock door. Refer to *Figure 8*.

g. Lift rear of service door approximately 45° off meter case to disengage notched tabs with internal rib at top of meter case.

h. Remove two hex head cap screws (inside meter case) holding meter case to cabinet top. Refer to *Figure 9*.

i. Raise front of cabinet top hinging it on the rear hinges. Refer to *Figure 25*.

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

j. Disengage belt from motor and idler pulleys. Refer to *Figure 45*.

NOTE: When installing belt, be sure belt is properly installed on motor and idler pulleys, and is on the correct side of the idler lever. Refer to *Figure 45*. 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. After installing belt, manually rotate cylinder counterclockwise to check that belt is properly aligned. Refer to *Figure 53*.

k. Remove four screws holding bulkhead to front flange of cabinet and lift complete bulkhead assembly out of slots in cabinet. Refer to *Figure 51*.

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 52*.

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: During reinstallation of front bulkhead, be sure that air duct is properly positioned with the flange inside of the felt seal on the exhaust fan cover. Refer to *Figure 42*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can cause fire and dryer malfunction.

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

m. Pull rear cylinder seal from flanged edge of bulkhead. Refer to *Figure 54*.

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.

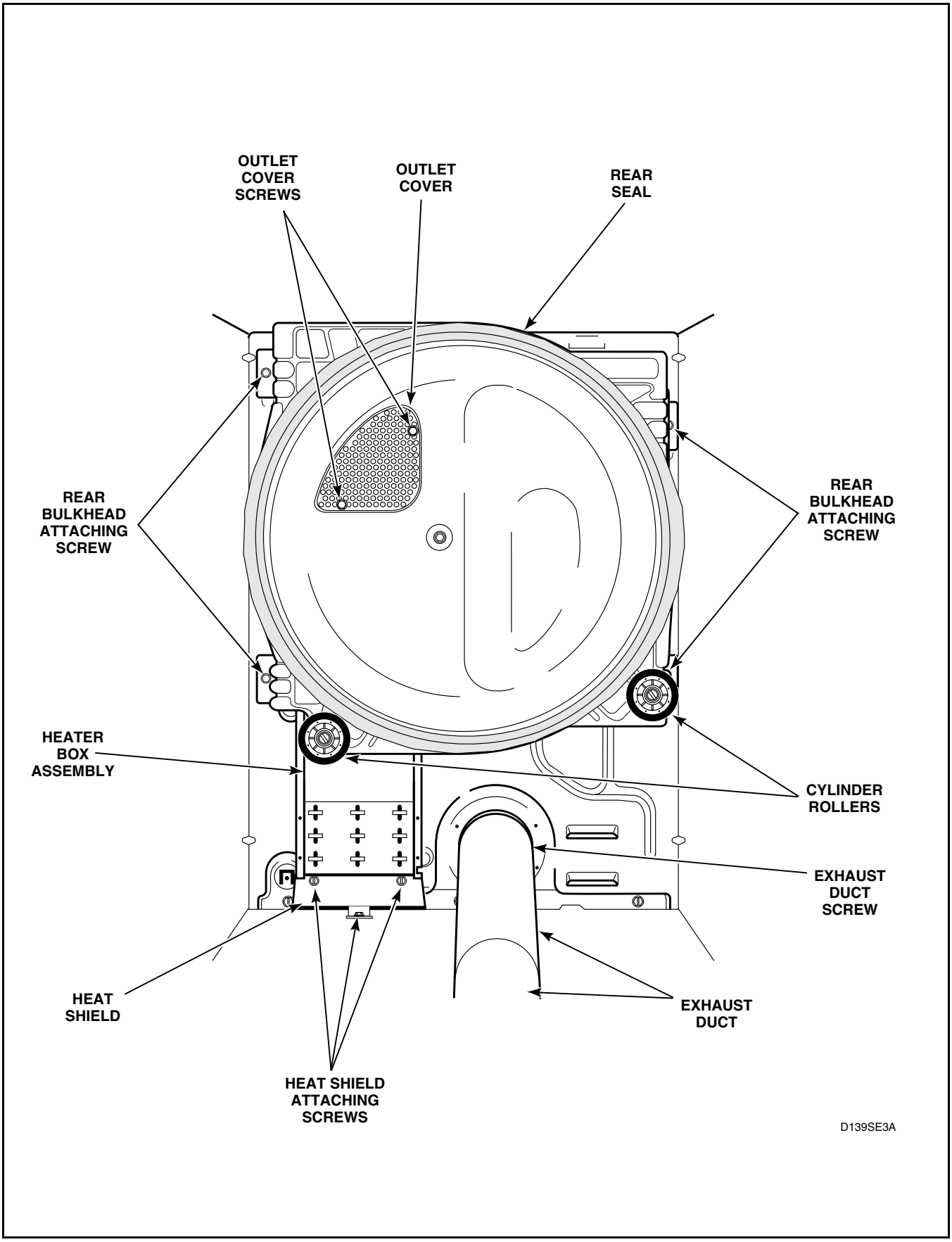


Figure 54

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. CYLINDER ROLLERS

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 21*.

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 22*. 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 23*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

e. Disengage belt from motor and idler pulleys. Refer to *Figure 45*.

NOTE: When installing belt, be sure belt is properly installed on motor and idler pulleys, and is on the correct side of the idler lever. Refer to *Figure 45*. Belt must be positioned around cylinder approximately three inches ahead of rear rib on cylinder, with the ribbed surface of the belt against cylinder. After installing belt, manually rotate cylinder counterclockwise to check that belt is properly aligned. Refer to *Figure 53*.

f. Remove four screws holding bulkhead to front flange of cabinet and lift complete bulkhead assembly out of slots in cabinet. Refer to *Figure 51*.

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 52*.

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: During reinstallation of front bulkhead, be sure that air duct is properly positioned with the flange inside of the felt seal on the exhaust fan cover. Refer to *Figure 42*. 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 55*.

h. Refer to *Figure 55* for removal of roller from bulkhead.

54. OUTLET COVER

Open door and remove two screws holding outlet cover to rear bulkhead. Refer to *Figure 54*.

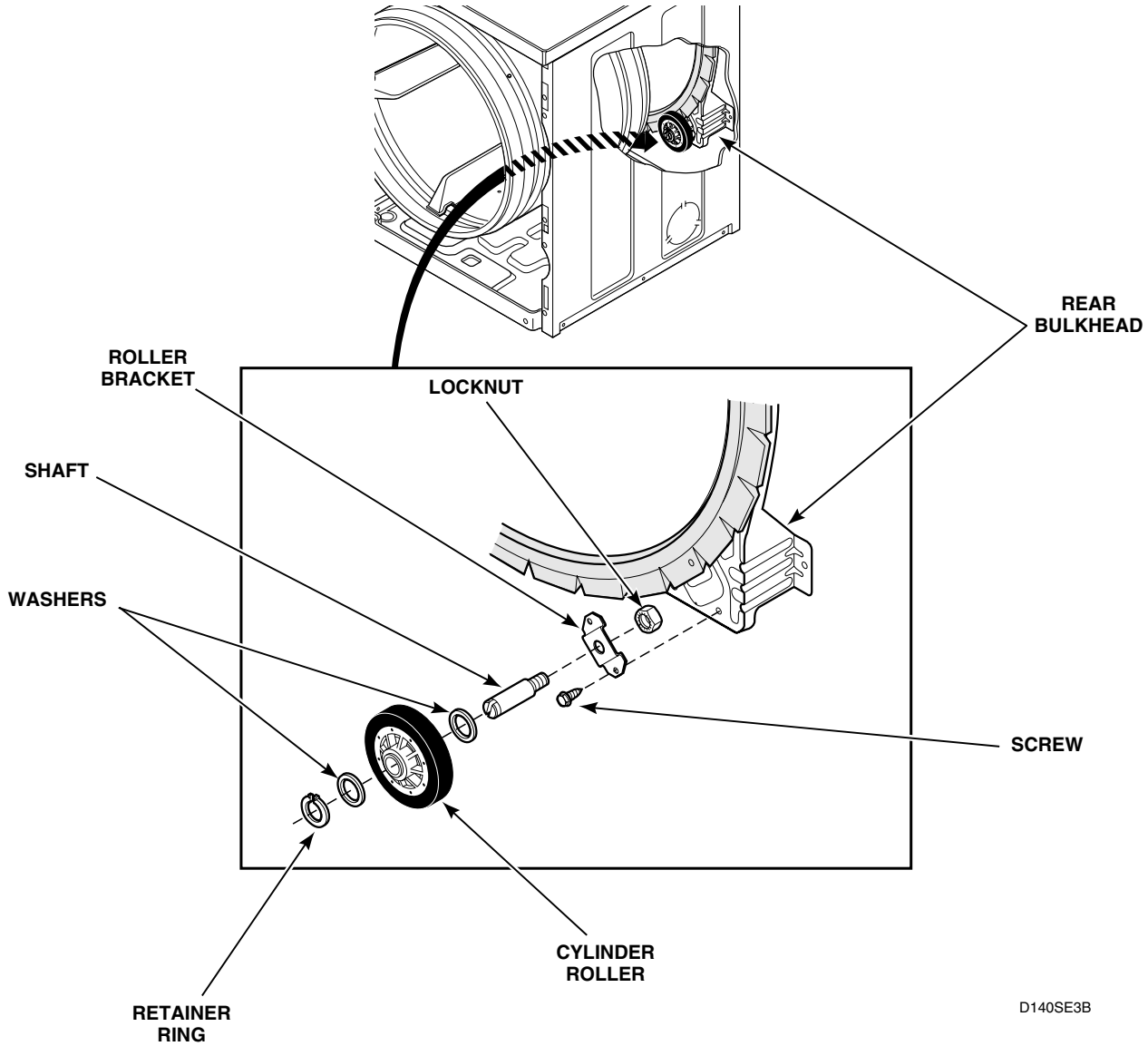


Figure 55

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. 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 21*.

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 22*. 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 23*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

e. Disengage belt from motor and idler pulleys. Refer to *Figure 45*.

NOTE: When installing belt, be sure belt is properly installed on motor and idler pulleys, and is on the correct side of the idler lever. Refer to *Figure 45*. Belt must be positioned around cylinder approximately three inches ahead of rear rib on cylinder, with the ribbed surface of the belt against cylinder. After installing belt, manually rotate cylinder counterclockwise to check that belt is properly aligned. Refer to *Figure 53*.

f. Remove four screws holding bulkhead to front flange of cabinet and lift complete bulkhead assembly out of slots in cabinet. Refer to *Figure 51*.

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 52*.

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: During reinstallation of front bulkhead, be sure that air duct is properly positioned with the flange inside of the felt seal on the exhaust fan cover. Refer to *Figure 42*. 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 51*.

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 39*.

(2) Remove screw from right side of burner housing, holding burner tube in place. Refer to *Figure 41*.

(3) Gently move burner tube toward rear of dryer to disengage tab from slot on left side of burner housing. Refer to *Figure 39*.

(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 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

(7) Remove screw holding front of burner housing to dryer base and remove housing out through front of dryer. Refer to *Figure 41*.

(8) Remove four screws holding shroud to heater box and remove shroud out through front of dryer. Refer to *Figure 39*.

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 41*.

k. Remove screw holding heat shield to dryer base. Refer to *Figure 54*.

l. While supporting bulkhead, remove the four screws holding rear bulkhead to dryer cabinet, then lift complete assembly out of dryer. Refer to *Figure 54*.

m. Remove two screws holding heat shield to heater box. Refer to *Figure 54*.

n. To remove heater box from rear bulkhead. Refer to *Figure 56*.

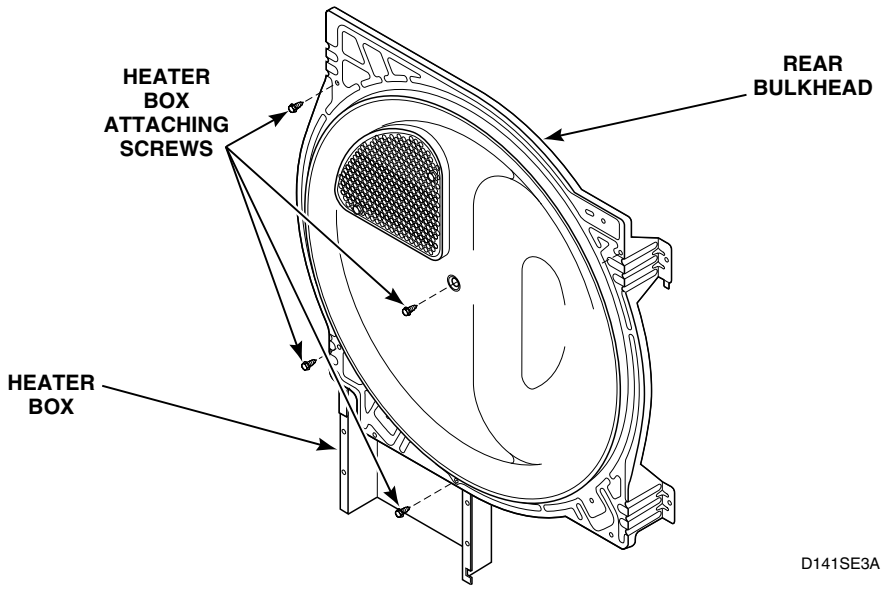


Figure 56

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. 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 21*.

(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 22*. Swing bottom of front panel away from dryer to disengage hold-down clips and guide lugs from cabinet top.

(4) Disconnect wires from door switch. Refer to *Figure 23*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

(5) Remove two cabinet top hold-down screws. Refer to *Figure 51*.

(6) Lift cabinet top to a vertical position by hinging it on the rear hinges. Refer to *Figure 57*.

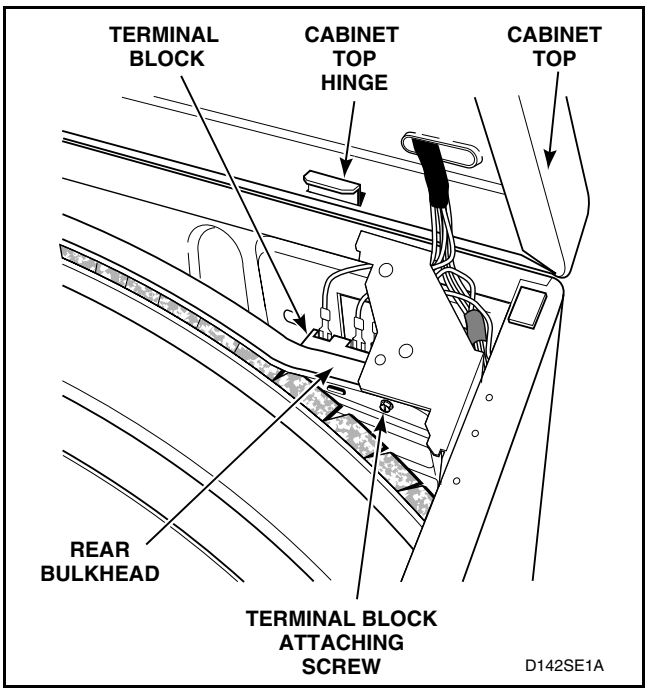


Figure 57

NOTE: When servicing, cabinet top may be raised and hinged on the rear hinges, 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 57*.

b. **Power cord** (Gas models)

(1) Remove access plate on rear of cabinet.

(2) Remove strain relief. Refer to *Figure 58*.

(3) Remove screw holding power cord ground wire to rear bulkhead. Refer to *Figure 58*.

NOTE: Reconnect screw and ground wire into same hole in bulkhead when reinstalling power cord.

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

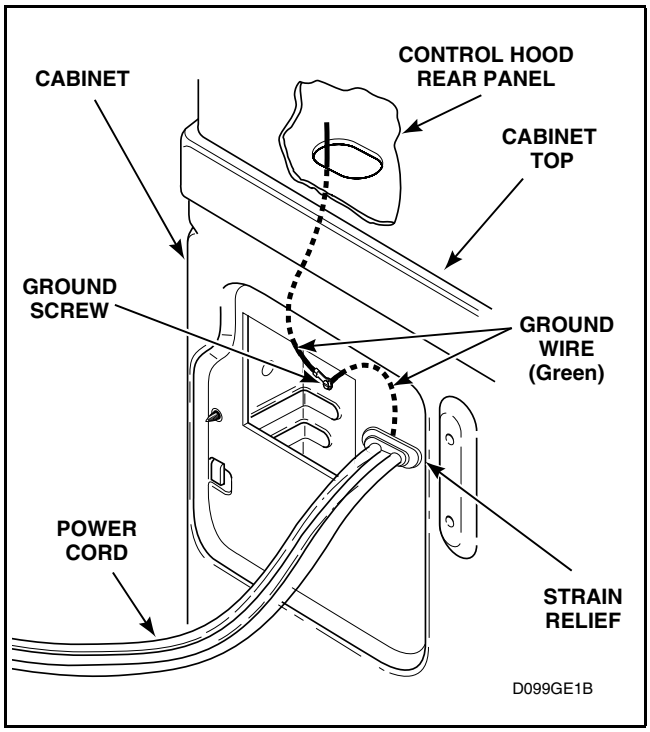


Figure 58

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

57. CABINET

a. Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top. Refer to *Figure 5*.

b. Disconnect all wires to temperature switch, PUSH-TO-START switch and INDICATOR LIGHT and remove ground clip and screw holding ground wire to cabinet top and control panel. Refer to *Figure 4*.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

c. **Metered models**:

(1) Insert key in service door lock on top of meter case and unlock door. Refer to *Figure 8*.

(2) Lift rear of service door approximately 45° off meter case to disengage notched tabs with internal rib at top of meter case. Refer to *Figure 8*.

NOTE: When reinstalling door and accumulator, front end of door must be inserted at about a 45° angle in order to engage notched tabs with internal rib at top of meter case.

(3) Disconnect accumulator wires at connector. Refer to *Figure 8*.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

(4) Remove hex head ground screw holding green ground wire to accumulator mounting bracket. Refer to *Figure 8*.

(5) Remove two hex head cap screws (inside meter case) holding meter case to cabinet top. Refer to *Figure 9*.

d. **Non-metered models**:

(1) Remove four screws holding timer and plate to timer case. Refer to *Figure 7*.

(2) Pull timer and plate out of timer case as far as wires will permit. Refer to *Figure 7*.

(3) Disconnect wires from timer. Refer to *Figure 7*.

NOTE: Refer to appropriate wiring diagram when rewiring timer.

e. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 21*.

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

g. Remove two screws holding bottom tabs on front panel to dryer cabinet. Refer to *Figure 22*. Swing bottom of front panel away from dryer to disengage hold-down clips and guide lugs from cabinet top.

h. Disconnect wires from door switch. Refer to *Figure 23*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

i. Remove two cabinet top hold-down screws. Refer to *Figure 51*.

j. Lift cabinet top to a vertical position by hinging it on the rear hinges. Refer to *Figure 57*.

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

k. Carefully withdraw wire harness through hole in cabinet top and lift the cabinet top assembly off the rear hinges and set aside.

l. Disengage belt from motor and idler pulleys. Refer to *Figure 45*.

NOTE: When reinstalling belt, be sure belt is properly installed on motor and idler pulleys and is on the correct side of the idler pulleys. Refer to *Figure 45*. Belt must be positioned around cylinder approximately three inches ahead of rear rib on cylinder, with the ribbed surface of the belt against cylinder. After installing belt, manually rotate cylinder counterclockwise to check that belt is properly aligned. Refer to *Figure 53*.

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

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 52*.

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: During reinstallation of front bulkhead, be sure that air duct is properly positioned with the flange inside the felt seal on exhaust fan cover. Refer to *Figure 42*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can cause fire and dryer malfunction.

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

o. **Gas models**:
   (1) Disconnect igniter wires ar disconnect blocks, sensor wires from sensor terminals and wires from gas valve coils at the quick disconnect blocks. Refer to *Figures 39* and *41*.
   (2) Remove screw from right side of burner housing, holding burner tube in place. Refer to *Figure 41*.
   (3) Gently move burner tube toward rear of dryer to disengage tab from slot on left side of burner housing. Refer to *Figure 39*.
   (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 burner housing to heat shroud. Refer to *Figure 39*.
   (7) Remove screw holding front of burner housing to dryer base and remove housing out through front of dryer. Refer to *Figure 39*.
   (8) Remove four screws holding shroud to heater box and remove shroud out through front of dryer. Refer to *Figure 39*.

   Electric models:
   (9) Remove two screws holding element and plate to heater box, then pull element down and away from heater box. Refer to *Figure 41*.

p. Remove screw holding heat shield to dryer base. Refer to *Figure 54*.

q. While supporting bulkhead, remove screws holding bulkhead to rear of dryer cabinet, and remove assembly out of dryer. Refer to *Figure 54*.

r. Remove screw holding exhaust duct to dryer cabinet and pull duct out of cabinet. Refer to *Figure 54*.

s. Remove two screws from each rear hinge. Refer to *Figure 57*.

t. Remove screw holding terminal block access plate to rear of dryer cabinet and remove plate.

u. Remove wire harness clips.

v. Remove guide lugs and screws.

w. Remove two screws from front edge at each side of cabinet. Refer to *Figure 51*. Then remove remaining screws from around bottom of cabinet and lift cabinet off base.

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

58. BASE

a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. Refer to *Figure 21*.

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 22*. 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 23*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

e. **Gas models**:

(1) Disconnect igniter wires ar disconnect blocks, sensor wires from sensor terminals and wires from gas valve coils at the quick disconnect blocks. Refer to *Figures 39* and *41*.

(2) Close main gas shut-off valve and gas shut-off valve inside of dryer. Refer to *Figure 41*.

(3) Disconnect gas line to dryer.

(4) Remove two screws holding gas valve bracket to base and remove valve with lead-in pipe attached. Refer to *Figure 39*.

(5) Remove screw from right side of burner housing, holding burner tube in place. Refer to *Figure 41*.

(6) Gently move burner tube toward rear of dryer to disengage tab. Refer to *Figure 39*.

(7) Carefully rotate burner tube and igniter counterclockwise so tab is at 8 o'clock position and CAREFULLY remove burner tube and igniter assembly out through front of dryer.

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

(8) Remove screw holding front of burner housing to dryer base. Refer to *Figure 39*.

(9) Remove four screws holding shroud to heater box and remove shroud and burner housing out through front of dryer. Refer to *Figure 39*.

Electric models:

(1) Remove two screws holding element and plate to heater box, the pull element down and away from heater box. Refer to *Figure 41*.

(2) Disconnect wire harness from limit thermostat, thermal fuse and/or heating element. Refer to *Figure 41*.

f. Remove screw holding heat shield to dryer base. Refer to *Figure 54*.

g. Open loading door and remove two screws from lint filter and lift lint filter out of front bulkhead. Refer to *Figure 26*.

h. Remove screws holding air duct to front bulkhead and remove air duct. Refer to *Figure 43*.

NOTE: When reassembling, be sure felt seal on exhaust fan cover makes air tight seal on flange of air duct. Refer to *Figure 42*.

i. Disconnect wires from thermostat and heater. Refer to *Figure 42*.

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

j. Remove cylinder belt from idler and motor pulleys. Refer to *Figure 45*.

NOTE: When reinstalling belt, be sure belt is properly installed on motor and idler pulleys and is on the correct side of the idler pulleys. Refer to *Figure 45*. 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 53*. After installing belt, manually rotate cylinder counterclockwise to check that belt is properly aligned.

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

l. 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 50*.

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 44*. Tab on rear of motor mounting bracket must be slid into slot in dryer base. Be sure the belt has been installed on the correct side of the idler lever. Refer to *Figure 45*.

m. Pull motor and exhaust assembly forward and disengage the middle exhaust duct.
n. Rotate the motor and exhaust assembly 90° counterclockwise and slide out through front of dryer.
o. Remove two screws from front edge at each side of cabinet. Refer to *Figure 51*. Then remove remaining screws from around bottom of cabinet and lift cabinet off base.
p. Remove leveling legs from base and reinstall on new base.

Section 6
Adjustments

WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:
- **Disconnect electric power to the dryer(s) before servicing.**
- **Close gas shut-off valve to gas dryer(s) before servicing.**
- **Never start the dryer(s) with any guards/panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.**

W001R1

59. LEVELING LEGS
Refer to *Figure 59*

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.

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.

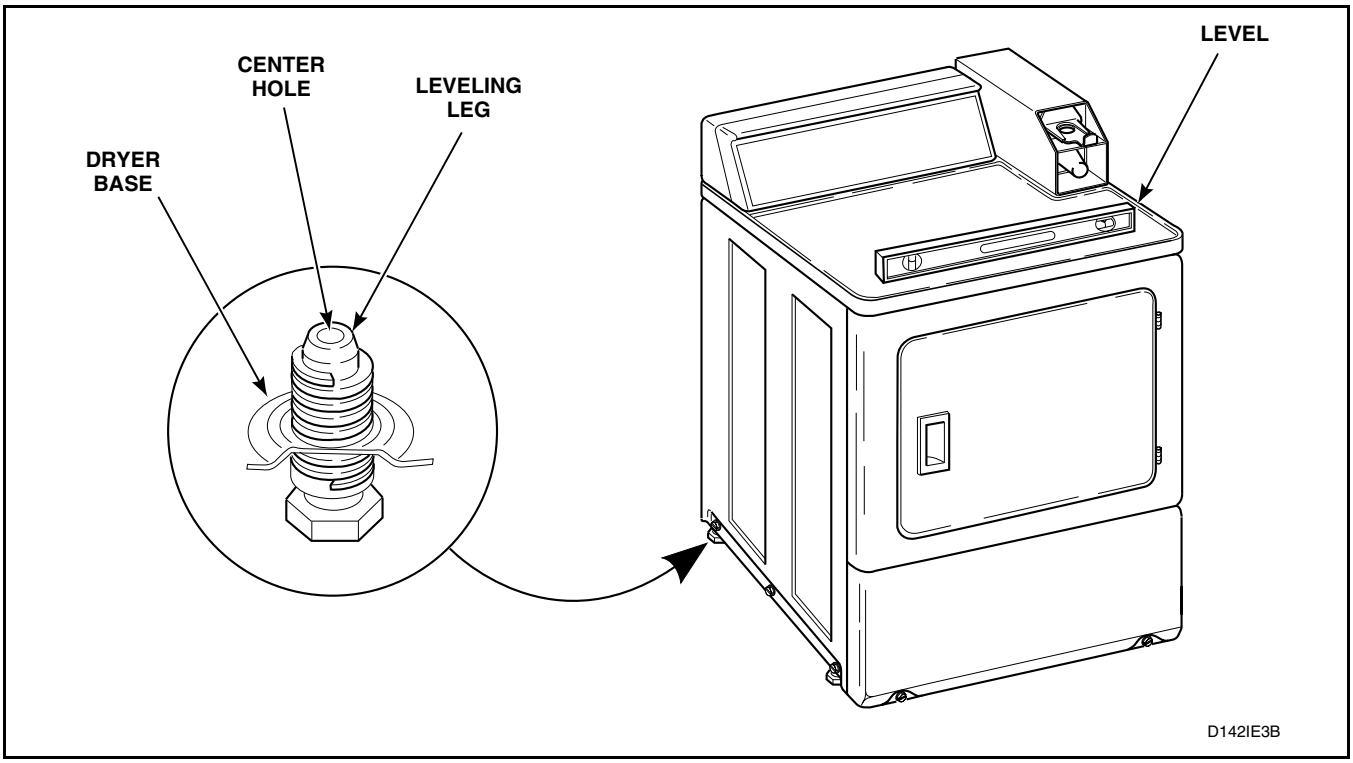


Figure 59

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

60. 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 21*.

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 60*.

f. Turn the air shutter to the right or left to obtain a soft, uniform blue flame. (A lazy, orange-tipped flame indicates lack of air. A harsh, roaring, very blue flame indicates too much air.)

g. After proper flame is obtained, tighten air shutter lockscrew securely. Refer to *Figure 60*.

h. 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.

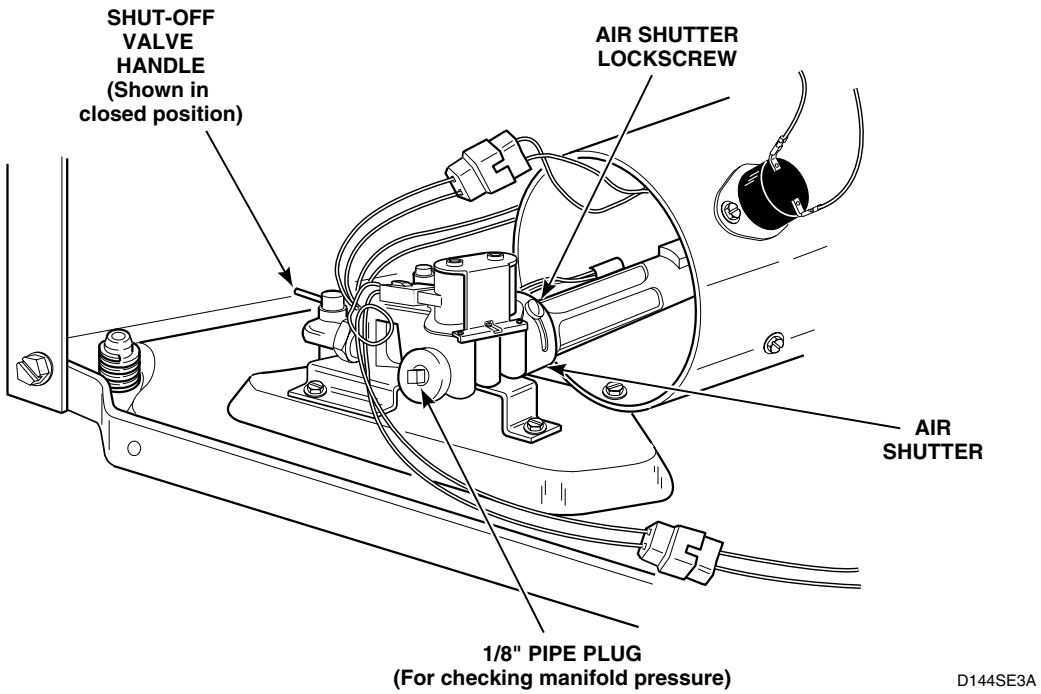


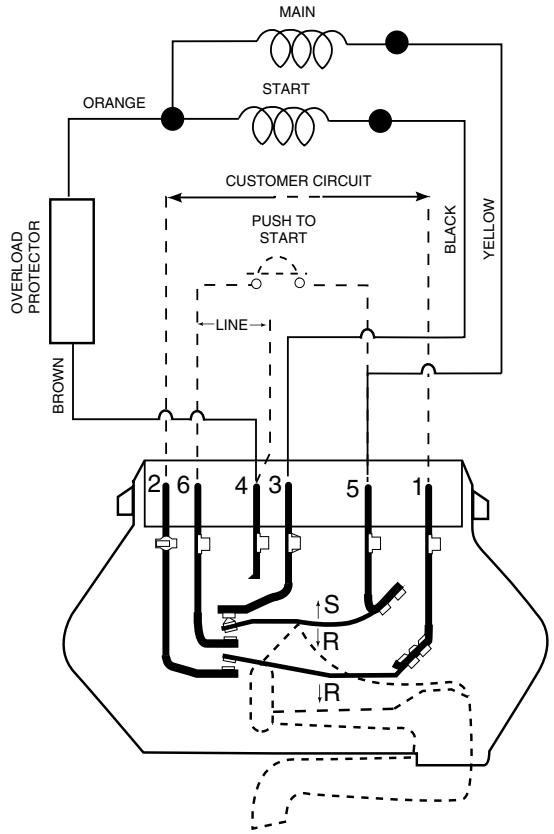
Figure 60

Section 7
Internal Wiring of Dryer Motor Switch

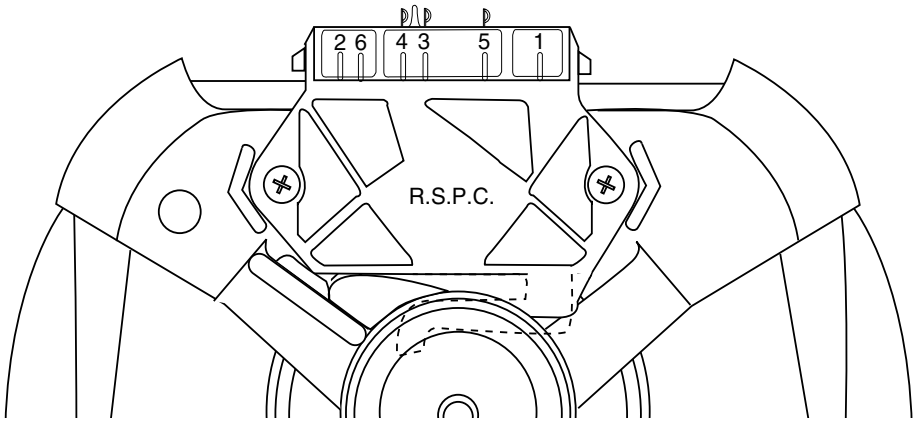
WARNING

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



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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.

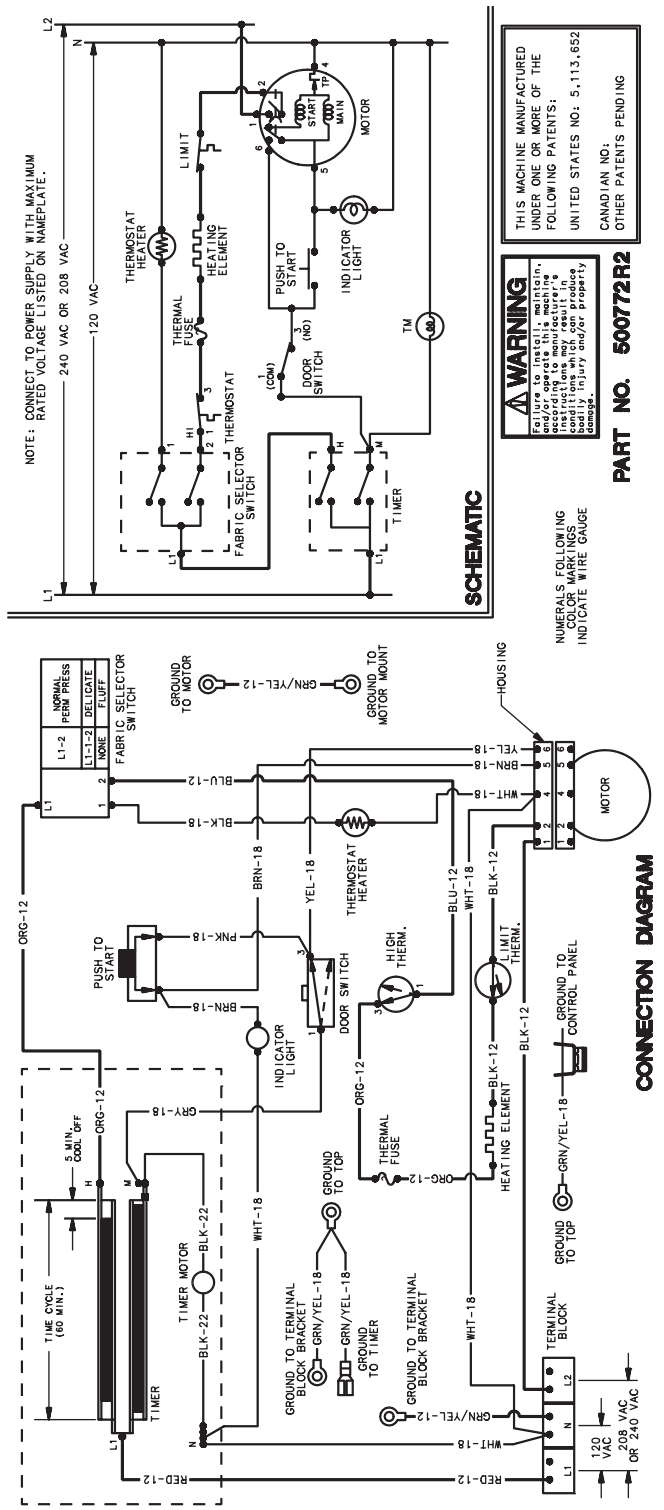
W030

**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

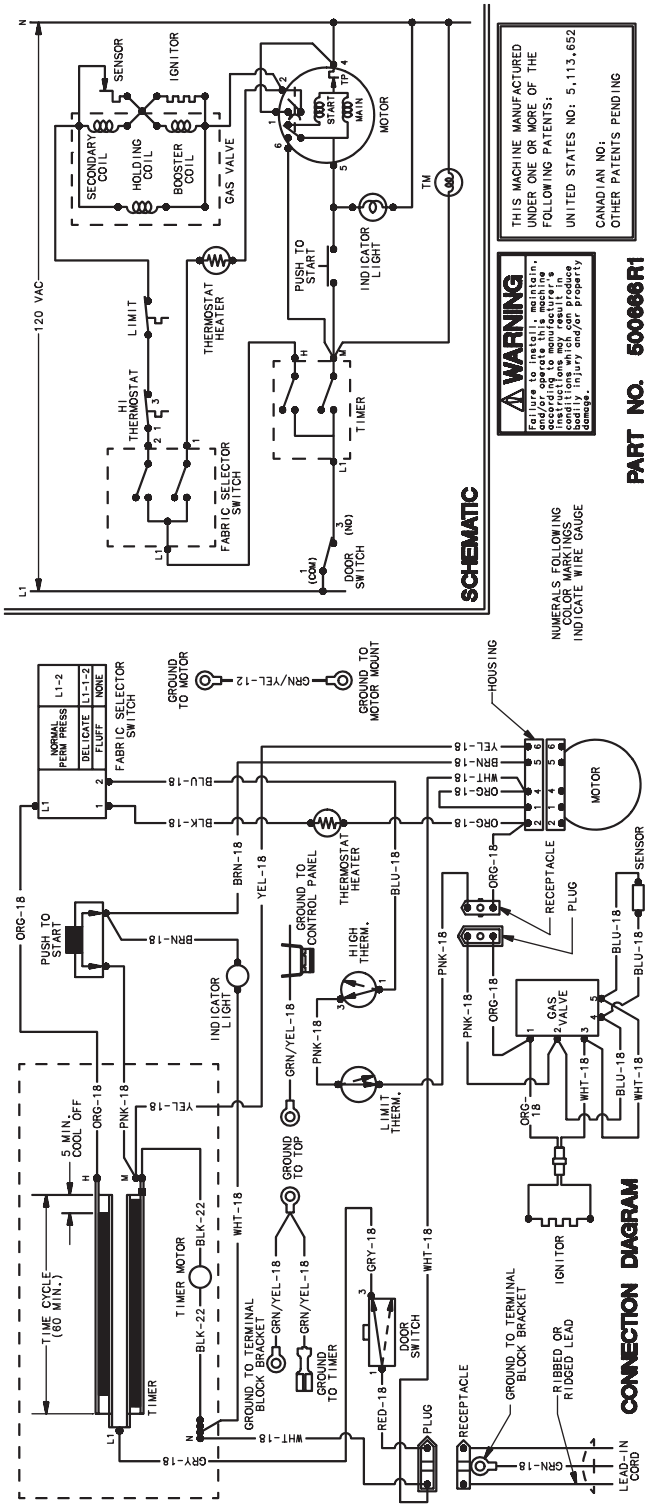


MODEL EE2007

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

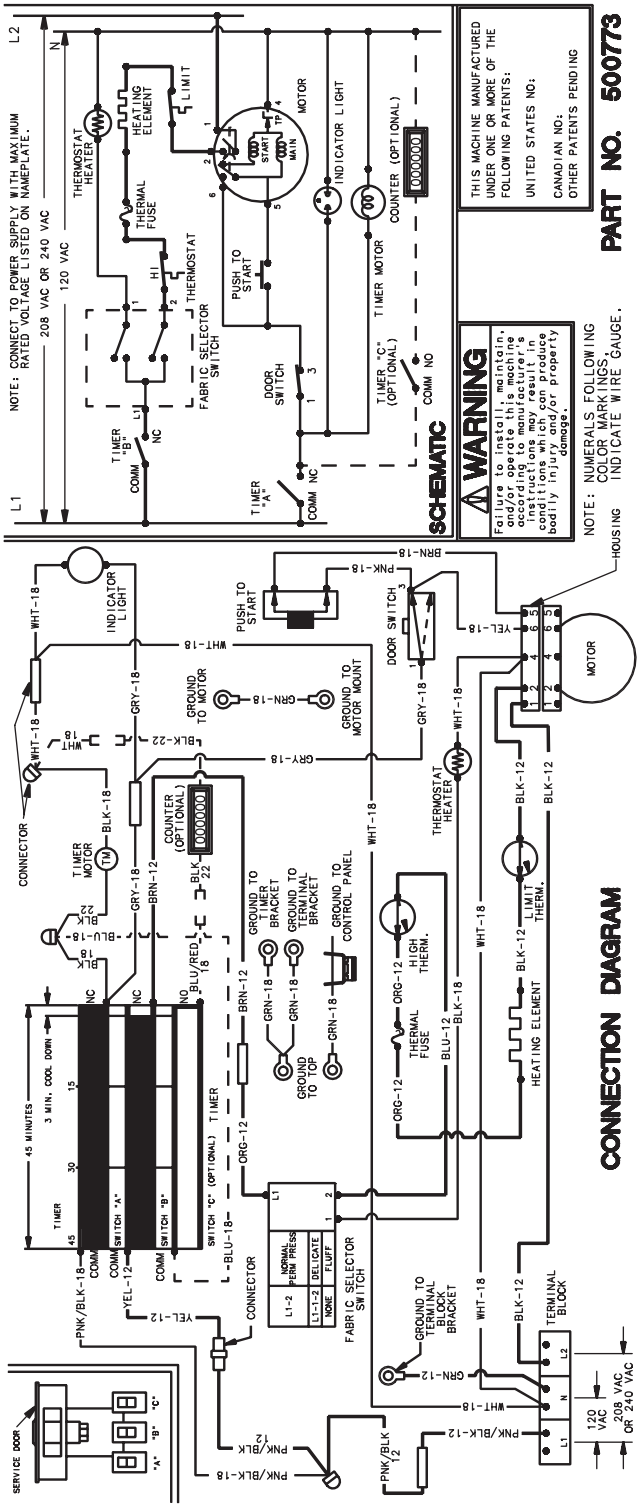


MODEL EG2009

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

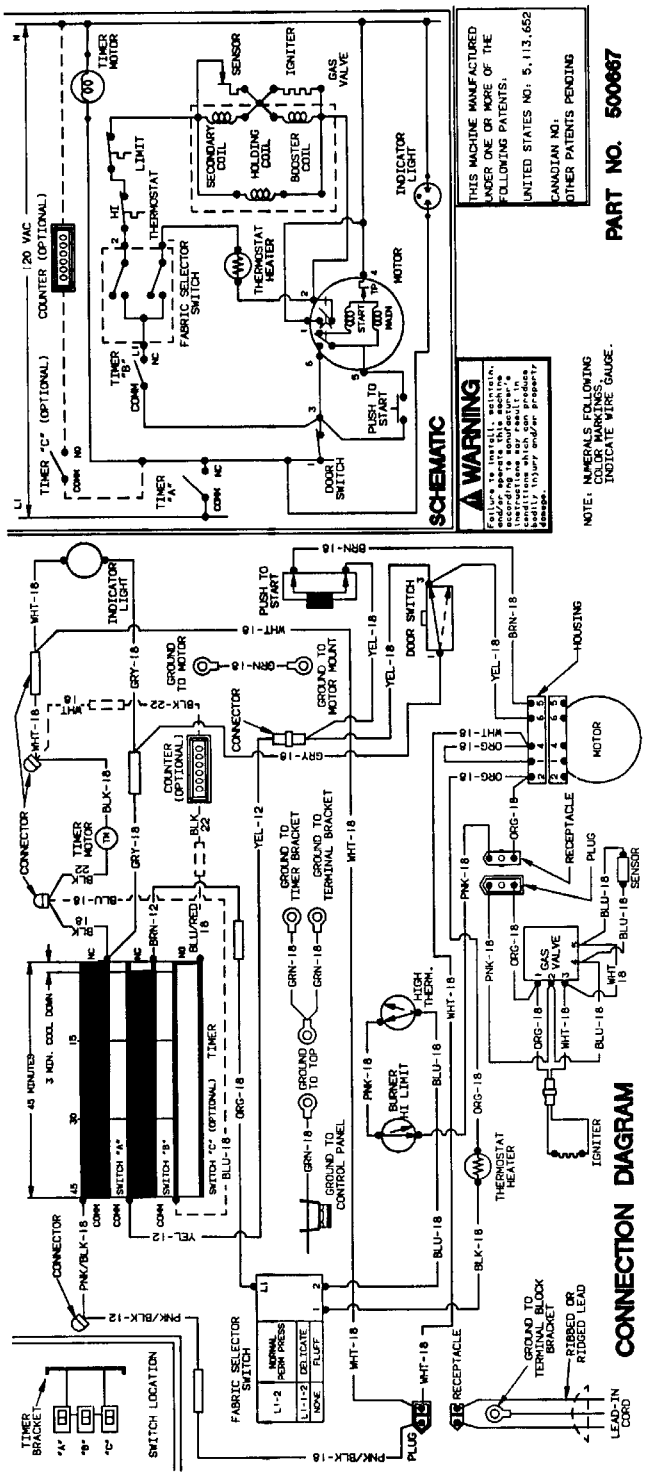


MODELS EE2107 AND EE2507

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

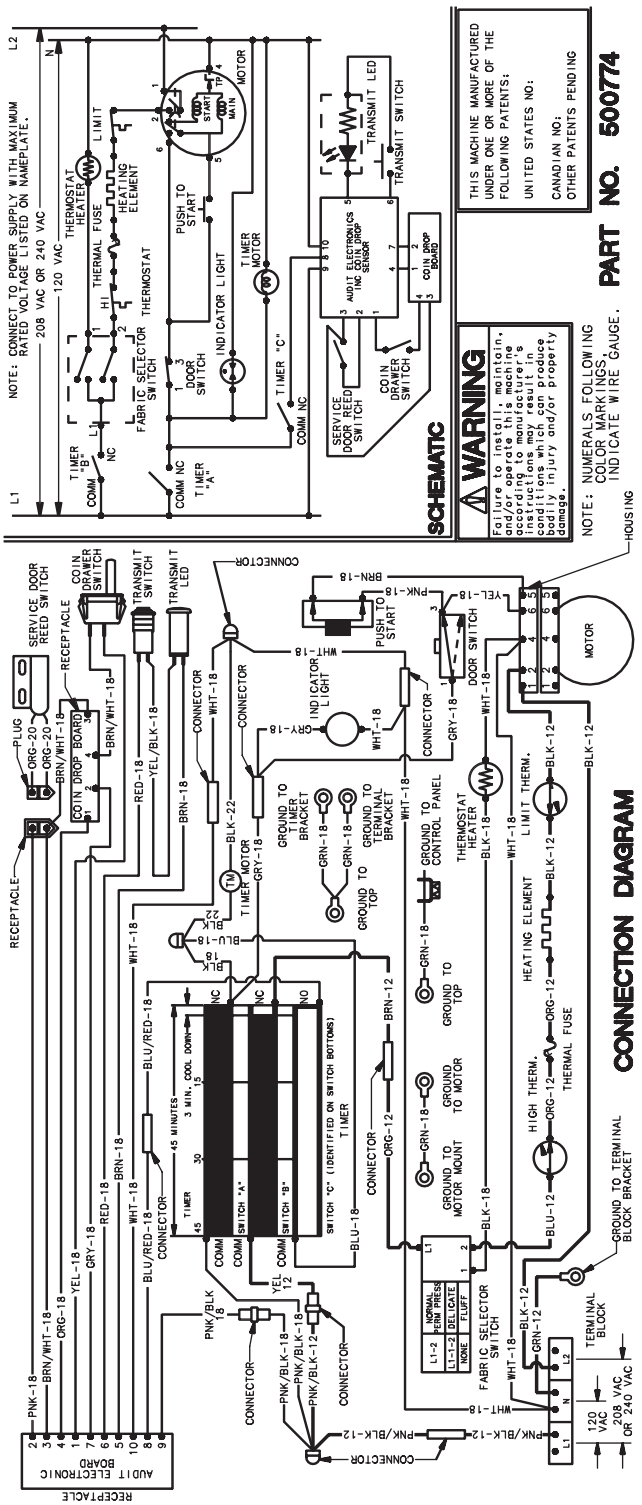


MODELS EG2109 AND EG2509

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

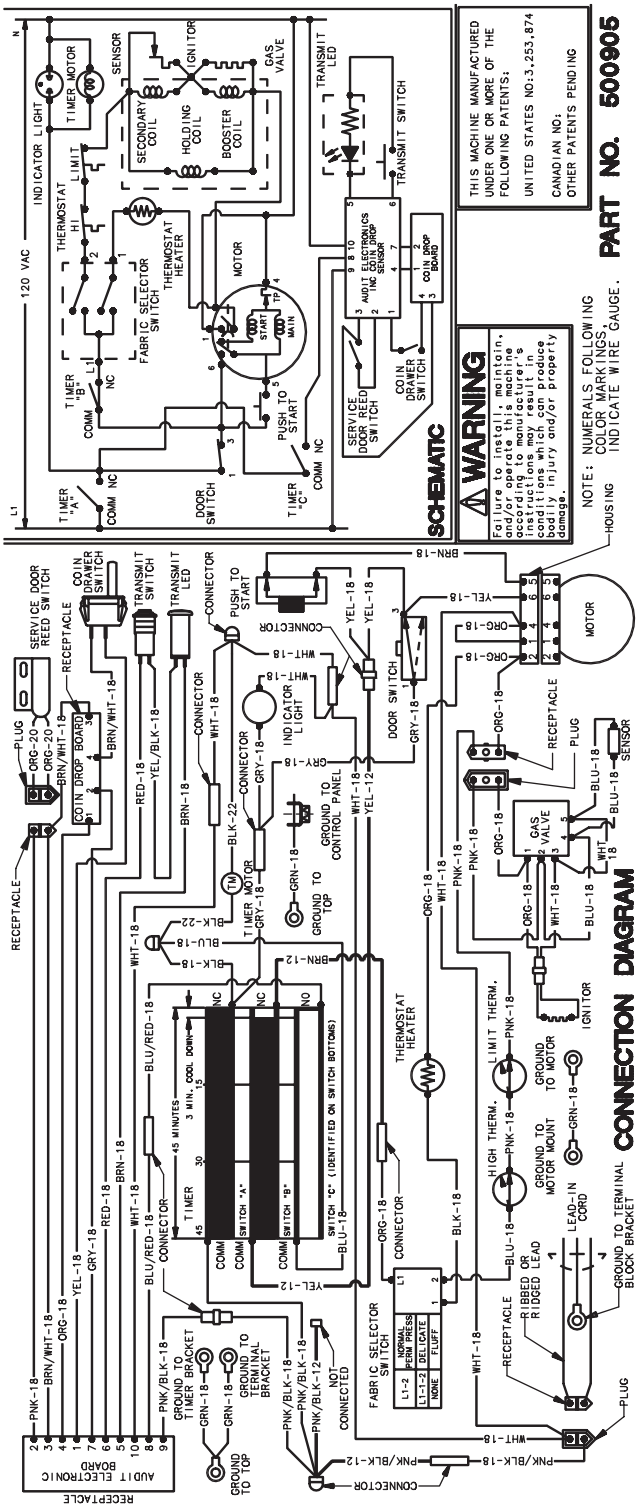


MODEL EE2607

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 EG2609