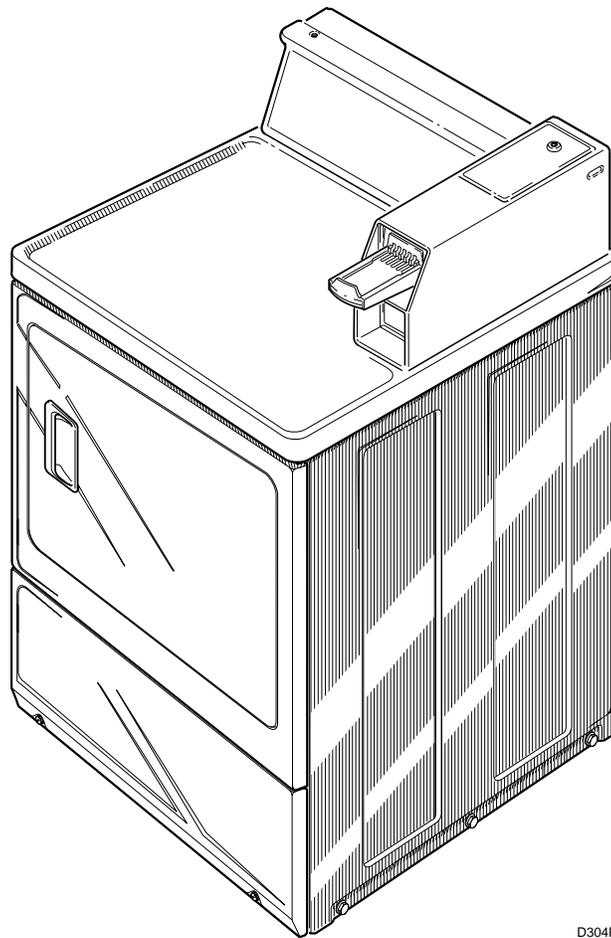


Dryers

Metered and Nonmetered
See Pages 6 and 7 for Model Numbers



D304P

Service

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Section 1

Safety Information

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

▲ DANGER

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

▲ WARNING

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

▲ CAUTION

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

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

IMPORTANT

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

NOTE

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

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



WARNING

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

W006R1

	WARNING
<p>To reduce the risk of electric shock, fire, explosion, serious injury or death:</p> <ul style="list-style-type: none">• 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.	
<small>W001R1</small>	

	WARNING
<p>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.</p>	
<small>W007</small>	

	WARNING
<p>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.</p>	
<small>W008</small>	

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 LLC 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 LLC also recommends contacting an authorized technician and using authorized factory parts.

Section 2

Introduction

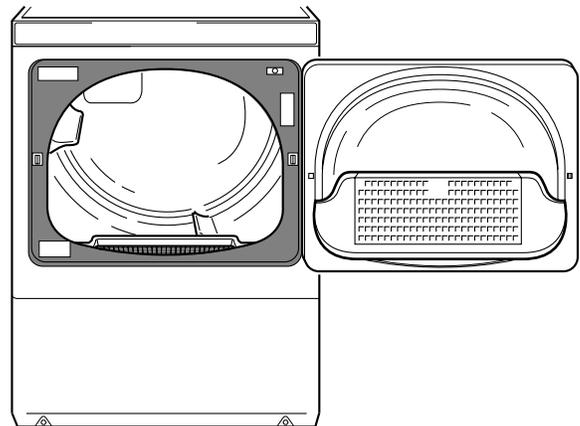
Parts Ordering Information

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 dryer, be sure to mention model and serial numbers. Model and serial numbers are located on nameplate. Nameplate is in one of the four corners of the door well. The door well is the shaded area shown.



D305P

Model Identification

Information in this manual is applicable to these dryers.

Dryer Model	Nonmetered Model	Metered Model	Electronic Display Control	Coin Drop Ready	Coin Drop Installed	Card Reader Ready	Card Reader Installed	Electric Heat	Gas Heat
HDE007*A1702	X							X	
HDE007*A3000	X							X	
HDE007*B3003	X							X	
HDE007*B3008	X							X	
HDE007*B3010	X							X	
HDE007*C1702	X							X	
HDE007*C3000	X							X	
HDE107*A1502		X						X	
HDE107*A1702		X						X	
HDE107*A3000		X						X	
HDE107*B3018		X						X	
HDE107*C1502		X						X	
HDE107*C1702		X						X	
HDE107*C3000		X						X	
HDE507*A1502		X	X		X			X	
HDE507*A1702		X	X		X			X	
HDE507*C1502		X	X		X			X	
HDE507*C1702		X	X		X			X	
HDE607*A1502		X				X		X	
HDE607*A1702		X				X		X	
HDE607*C1502		X				X		X	
HDE607*C1702		X				X		X	
HDE707*A1502		X					X	X	
HDE707*A1702		X					X	X	
HDE707*C1502		X					X	X	
HDE707*C1702		X					X	X	
HDG009*A1102	X								X
HDG009*A3000	X								X
HDG009*A3008	X								X
HDG009*B3008	X								X
HDG009*C1102	X								X
HDG009*C3000	X								X
HDG109*A1102		X							X
HDG109*A3000		X							X
HDG109*B3013		X							X
HDG109*C1102		X							X
HDG109*C3000		X							X
HDG509*A1102		X	X		X				X
HDG509*C1102		X	X		X				X

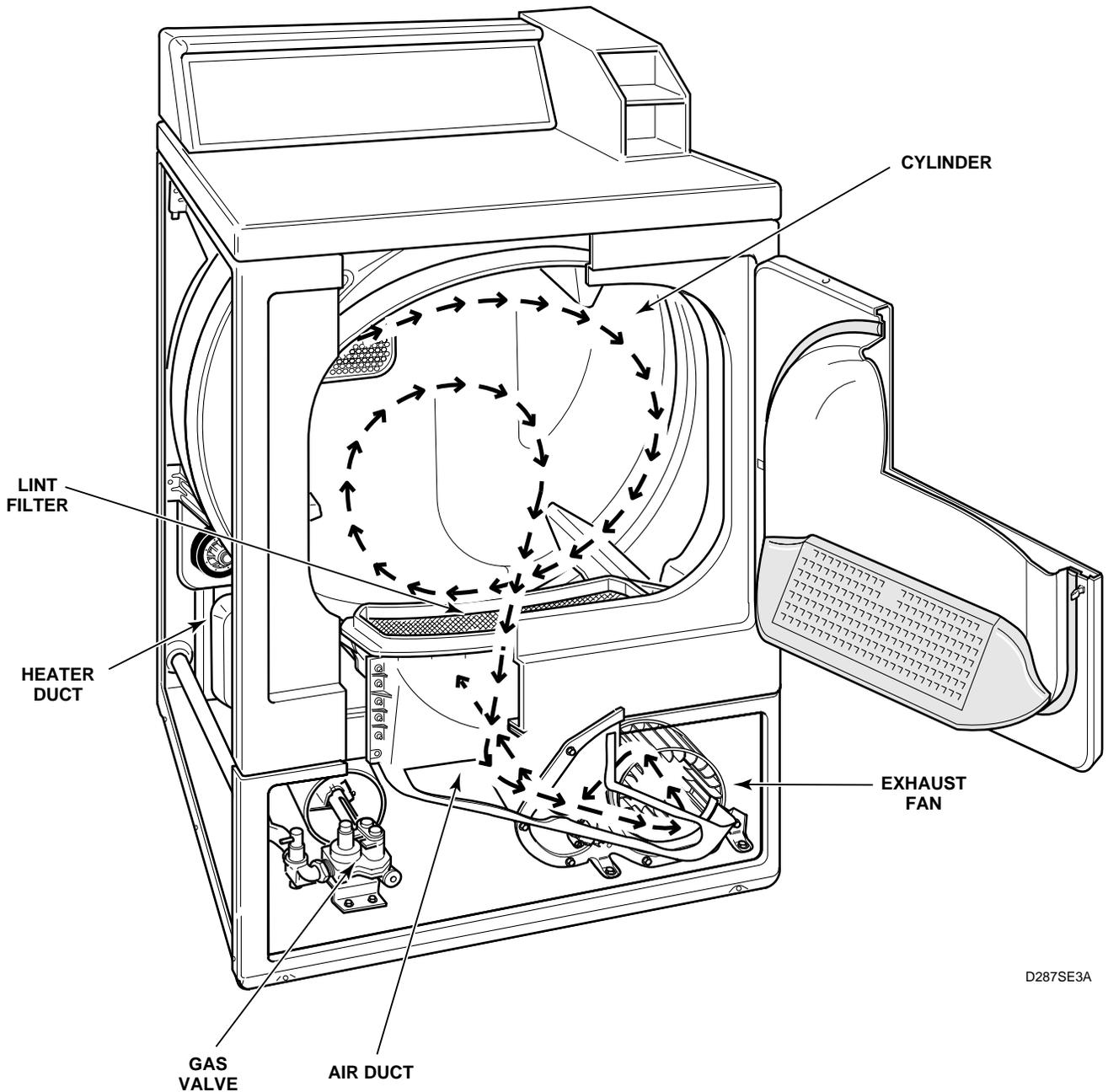
* ADD LETTER TO DESIGNATE COLOR. L - Almond W - White

(continued)

Dryer Model	Nonmetered Model	Metered Model	Electronic Display Control	Coin Drop Ready	Coin Drop Installed	Card Reader Ready	Card Reader Installed	Electric Heat	Gas Heat
HDG609*A1102		X				X			X
HDG609*C1102		X				X			X
HDG709*A1102		X					X		X
HDG709*C1102		X					X		X
SDE007*A3000	X							X	
SDE007*A4350	X							X	
SDE007*B3018	X							X	
SDE107*A3000		X						X	
SDE107*A4350		X						X	
SDE107*A5412		X						X	
SDE107*B3018		X						X	
SDE407*A3000		X	X	X				X	
SDE407*A4350		X	X	X				X	
SDG009*A3000	X								X
SDG009*A3058	X								X
SDG109*A3000		X							X
SDG109*A3058		X							X
SDG109*A5412		X							X
SDG109*B3013		X							X
SDG409*A3000		X		X					X
SDG409*A3058		X		X					X

* ADD LETTER TO DESIGNATE COLOR. L - Almond W - White

How Your Dryer Works



D287SE3A

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

Section 3

Troubleshooting



WARNING

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

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

W001R1

IMPORTANT: Refer to wiring diagram 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.	<ul style="list-style-type: none"> • Check laundry room for blown or loose fuse(s), or open circuit breaker(s). The dryer itself does not have an electrical fuse. • Check both fuses for electric models.
Loading door not closed.	<ul style="list-style-type: none"> • Close door.
Inoperative door switch.	<ul style="list-style-type: none"> • Test switch and replace if inoperative.
Timer improperly set.	<ul style="list-style-type: none"> • Reset timer, or try another cycle.
Inoperative timer.	<ul style="list-style-type: none"> • Test timer and replace if inoperative.
Motor starting functions inoperative. Doesn't start, or motor just hums.	<ul style="list-style-type: none"> • Refer to <i>Paragraph 61</i> to check start switch and start windings.
Motor is dead, will not run.	<ul style="list-style-type: none"> • Refer to <i>Paragraph 61</i> to check start switch, start windings, and main windings.
Motor overload protector has cycled.	<ul style="list-style-type: none"> • Wait two or three minutes for overload protector to reset. If protector cycles repeatedly, refer to <i>Paragraph 2</i>.
Motor centrifugal switch sticky or plugged with lint.	<ul style="list-style-type: none"> • Remove dust or lint and spray with "SLYDE," No. 131P4, to clean and lubricate.
Bind in motor bearing.	<ul style="list-style-type: none"> • Remove belt and determine if motor shaft will spin. • Replace motor if shaft is locked up.
Loose motor wire harness connection block.	<ul style="list-style-type: none"> • Firmly press connection block onto motor switch.
Broken, loose, or incorrect wiring.	<ul style="list-style-type: none"> • Refer to wiring diagram.
Power cord is miswired.	<ul style="list-style-type: none"> • Refer to wiring diagram for the correct wiring.



WARNING

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

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

W001R1

2. UNIT STOPS IN CYCLE; QUILTS AFTER THE FIRST FEW LOADS; HAS A BURNING SMELL; CYCLES ON MOTOR THERMAL PROTECTOR

POSSIBLE CAUSE	TO CORRECT
Incorrect Voltage.	<ul style="list-style-type: none"> • See nameplate in door well for correct voltage. • Refer to INSTALLATION INSTRUCTIONS (supplied with dryer) for electrical requirements.
Clothes load too large.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • Check cylinder for binding and “out of round” condition. • Check front and rear bulkheads for warping. • Check support rollers for binding. • Check cylinder seals and glides for wear or damage. • Check for clothes lodged between cylinder baffle and bulkhead.
Broken, loose or incorrect wiring.	<ul style="list-style-type: none"> • Refer to wiring diagram.
Motor switch functions inoperative. Short in motor winding.	<ul style="list-style-type: none"> • Refer to <i>Paragraph 61</i> to check switch and windings.
Clothes item caught in fan.	<ul style="list-style-type: none"> • Check fan for obstruction.



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

3. MOTOR RUNS BUT CYLINDER DOES NOT TURN

POSSIBLE CAUSE	TO CORRECT
Motor drive pulley loose.	<ul style="list-style-type: none"> • Tighten pulley.
Belt not installed on pulley.	<ul style="list-style-type: none"> • Install belt. Refer to <i>Figure 42</i>.
Broken cylinder belt.	<ul style="list-style-type: none"> • Replace belt.
Clothes cylinder is binding.	<ul style="list-style-type: none"> • Check cylinder for binding and “out of round” condition. • Check front and rear bulkheads for warping. • Check cylinder rollers for binding. • Check cylinder seals and glides for wear or damage.
Broken, weak or disconnected idler lever spring.	<ul style="list-style-type: none"> • Replace or reconnect spring. Refer to <i>Figure 43</i>.
Belt routed on wrong side of idler lever.	<ul style="list-style-type: none"> • Reroute belt. Refer to <i>Figure 42</i>.
Oil on cylinder.	<ul style="list-style-type: none"> • Wipe oil from cylinder.
Belt is “inside out.”	<ul style="list-style-type: none"> • Reinstall belt with ribbed surface against cylinder.
Idler arm is binding.	<ul style="list-style-type: none"> • Add grease between idler arm and motor mount. • Replace idler arm and bolt if needed.
Dryer is overloaded.	<ul style="list-style-type: none"> • Remove some laundry from dryer.
Wrong motor.	<ul style="list-style-type: none"> • Refer to parts manual for correct motor part number.
Wrong belt used on dryer.	<ul style="list-style-type: none"> • Check belt part number against correct part number in the Parts manual. • Replace belt if needed.
Bent idler arm.	<ul style="list-style-type: none"> • Replace idler arm.

4. MOTOR DOES NOT STOP

POSSIBLE CAUSE	TO CORRECT
Incorrect wiring to motor switch.	<ul style="list-style-type: none"> • Refer to wiring diagram.
Motor centrifugal switch sticky or plugged with lint.	<ul style="list-style-type: none"> • Remove dust or lint and spray with “SLYDE,” Part No. 131P4, to clean and lubricate.
Inoperative door switch.	<ul style="list-style-type: none"> • Test switch and replace if inoperative.
Inoperative timer – nonmetered models.	<ul style="list-style-type: none"> • Test timer and replace if inoperative. Refer to <i>Figure 66</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

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

POSSIBLE CAUSE	TO CORRECT
Improper or inadequate exhaust system.	<ul style="list-style-type: none"> • See INSTALLATION INSTRUCTIONS (supplied with dryer) for exhaust requirements.
Use of plastic or thin foil exhaust duct.	<ul style="list-style-type: none"> • Replace with solid or rigid flexible metal exhaust duct.
Blown house fuse or tripped circuit breaker.	<ul style="list-style-type: none"> • Check fuses or circuit breakers. A 240 Volt dryer uses two fuses. Make sure both fuses are good.
Temperature selector switch set at FLUFF, or inoperative.	<ul style="list-style-type: none"> • Reset or test switch and replace if inoperative.
Timer improperly set (set in a cool-down period, or a no heat cycle).	<ul style="list-style-type: none"> • Reset timer. Try another cycle.
Inoperative limit thermostat.	<ul style="list-style-type: none"> • Test thermostat and replace if inoperative.
Inoperative drive motor switch.	<ul style="list-style-type: none"> • Test switch and replace if inoperative.
Electric Models: Inoperative heater assembly.	<ul style="list-style-type: none"> • Test heater assembly and replace if cold Ohms do not read between 9 and 10.5 Ohms.
Electric Models: Inoperative thermal fuse.	<ul style="list-style-type: none"> • Test thermal fuse and replace if inoperative.
Gas Models: Insufficient gas supply.	<ul style="list-style-type: none"> • Check gas shut-off valve in dryer and main gas line valve. • Open partially closed gas shut-off valve, or correct low gas pressure.
Gas Models: Inoperative gas valve coils.	<ul style="list-style-type: none"> • Test coils (<i>Paragraph 64 or 69</i>) and replace if inoperative.
Gas Models: Inoperative flame sensor.	<ul style="list-style-type: none"> • Test flame sensor (<i>Paragraph 42, step d</i>) and replace if inoperative.
Gas Models: Inoperative igniter.	<ul style="list-style-type: none"> • Test igniter (<i>Paragraph 66 or 71</i>) and replace if inoperative.
Gas Models: Harness not properly connected to gas controls.	<ul style="list-style-type: none"> • Check harness connections to gas valve coils, sensor and main harness. • Reconnect as required.
Gas Models: Restricted gas flow in gas orifice.	<ul style="list-style-type: none"> • Clean out gas orifice.
Inoperative cycling thermostat.	<ul style="list-style-type: none"> • Test thermostat and replace if inoperative.
Inoperative timer.	<ul style="list-style-type: none"> • Test timer and replace if inoperative.
Broken, loose, or incorrect wiring.	<ul style="list-style-type: none"> • Refer to 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.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded.

W001R1

6. IGNITER DOES NOT GLOW (Gas Supply Sufficient) – GAS MODELS

POSSIBLE CAUSE	TO CORRECT
No power to power leads on valve.	<ul style="list-style-type: none"> • Check timer, selector switch, thermostats, motor switch, and wiring.
Flame sensor failed with contacts open.	<ul style="list-style-type: none"> • Replace flame sensor.
Igniter broken or open.	<ul style="list-style-type: none"> • Replace igniter.

7. BURNER IGNITES AND GOES OUT REPEATEDLY – GAS MODELS

POSSIBLE CAUSE	TO CORRECT
Improper or inadequate exhaust system. Weather hood flapper restricted.	<ul style="list-style-type: none"> • See INSTALLATION INSTRUCTIONS (supplied with dryer) for exhaust requirements.
Burner heat not holding flame sensor contacts open.	<ul style="list-style-type: none"> • Replace flame sensor, or correct gas supply problem.
Insufficient gas supply.	<ul style="list-style-type: none"> • Check gas supply and pressure. • Make sure gas shut-off valve is turned on.
Cracked igniter.	<ul style="list-style-type: none"> • Replace igniter and bracket.
Inoperative or intermittent gas valve coils.	<ul style="list-style-type: none"> • Check coils (<i>Paragraph 64 or 69</i>) and replace appropriate coils.

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

POSSIBLE CAUSE	TO CORRECT
Flame sensor failed in closed position.	<ul style="list-style-type: none"> • Replace flame sensor.
Open secondary coil or holding coil.	<ul style="list-style-type: none"> • Replace gas valve (in-warranty), or replace coils (out-of-warranty). Refer to <i>Paragraph 64 or 69</i>.
Insufficient gas supply.	<ul style="list-style-type: none"> • Check gas supply and pressure. • Make sure gas shut-off valve is turned on.
Igniter and bracket installed improperly on burner tube assembly.	<ul style="list-style-type: none"> • Loosen screw and properly position igniter and bracket on burner tube assembly.
Flame sensor installed improperly on burner housing.	<ul style="list-style-type: none"> • Loosen screw and properly position the flame sensor on the burner housing.



WARNING

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

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

W001R1

9. HEATER ASSEMBLY OR BURNER SHUTS OFF PREMATURELY

POSSIBLE CAUSE	TO CORRECT
Improper or inadequate exhaust system. Weather hood flapper restricted.	<ul style="list-style-type: none"> • See INSTALLATION INSTRUCTIONS (supplied with dryer) for exhaust requirements.
Gas Models: Insufficient gas supply.	<ul style="list-style-type: none"> • Check main gas line shut-off valve. • Open partially closed gas shut-off valve, or correct low pressure.
Gas Models: Dryer not properly equipped for type of gas used.	<ul style="list-style-type: none"> • Refer to “Gas Burner Conversion Procedures” supplied in gas burner conversion kit.
Gas Models: Improperly adjusted burner flame.	<ul style="list-style-type: none"> • Adjust flame. Refer to <i>Paragraph 60</i>.
Cycling off on limit thermostat.	<ul style="list-style-type: none"> • Momentarily connect a jumper wire across thermostat terminals. If heater element heats or burner ignites when jumper wire is connected, refer to <i>Paragraph 10</i>.
Gas models: Flame sensor contact closing	<ul style="list-style-type: none"> • Replace flame sensor (<i>Paragraph 42</i>, step d) or adjust burner flame. Refer to <i>Paragraph 60</i>.
Inoperative cycling thermostat.	<ul style="list-style-type: none"> • Test thermostat and replace if inoperative.
Inoperative timer.	<ul style="list-style-type: none"> • Test timer and replace if inoperative.
Broken, loose, or incorrect wiring.	<ul style="list-style-type: none"> • Refer to wiring diagram.

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

POSSIBLE CAUSE	TO CORRECT
External exhaust system longer or providing greater restriction than recommended.	<ul style="list-style-type: none"> • Refer to INSTALLATION INSTRUCTIONS (supplied with dryer) for exhaust system requirements.
Use of plastic or thin foil exhaust duct.	<ul style="list-style-type: none"> • Replace with solid or rigid flexible metal exhaust duct.
Clogged lint filter.	<ul style="list-style-type: none"> • Clean lint filter.
Lint in internal dryer ductwork.	<ul style="list-style-type: none"> • Disassemble dryer ductwork and clean.
Lint or other obstruction in external exhaust system.	<ul style="list-style-type: none"> • Disassemble and clean exhaust system.
Hinged damper on exhaust system weather hood not free to open.	<ul style="list-style-type: none"> • Free hinged damper or replace weather hood
Limit thermostat cycling at too low a temperature.	<ul style="list-style-type: none"> • Replace thermostat. Refer to <i>Paragraph 44</i>.
Air leak around loading door. (Door not sealing due to damaged seal or inoperative door catch.)	<ul style="list-style-type: none"> • Replace seal or catch.
Inoperative thermistor.	<ul style="list-style-type: none"> • Test thermistor and replace if inoperative.
Air leak at blower seal.	<ul style="list-style-type: none"> • Check and replace seal if necessary.
Air leak at cylinder seal(s).	<ul style="list-style-type: none"> • Check and replace seal(s) if necessary.



WARNING

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

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

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11. HEATER ASSEMBLY OR BURNER DOES NOT SHUT OFF

POSSIBLE CAUSE	TO CORRECT
Improper motor switch. (Timer must be in a heat setting.)	<ul style="list-style-type: none"> • Test switch and replace if inoperative.
Motor does not stop.	<ul style="list-style-type: none"> • Refer to <i>Paragraph 4</i>.
Incorrect wiring.	<ul style="list-style-type: none"> • Refer to wiring diagram.
Heater assembly shorted.	<ul style="list-style-type: none"> • Remove heater assembly and check for short.

12. CLOTHES DO NOT DRY

POSSIBLE CAUSE	TO CORRECT
Heater assembly does not heat or burner does not ignite.	<ul style="list-style-type: none"> • Refer to <i>Paragraph 5</i>.
Too much water in articles being dried.	<ul style="list-style-type: none"> • Remove excess water.
Laundry load too large.	<ul style="list-style-type: none"> • Remove part of load. A normal washer load is a normal dryer load. Maximum load: Dryer cylinder one half full of wet clothes.
Laundry load too small.	<ul style="list-style-type: none"> • Add one or two bath towels to load.
Excessive lint on lint filter.	<ul style="list-style-type: none"> • Clean lint filter.
Heat selector switch set on FLUFF or inoperative.	<ul style="list-style-type: none"> • Reset switch or timer, or test and replace the switch or timer if inoperative.
Improper or inadequate exhaust system.	<ul style="list-style-type: none"> • See INSTALLATION INSTRUCTIONS (supplied with dryer) for exhaust requirements.
Heater assembly or burner shuts off prematurely.	<ul style="list-style-type: none"> • Refer to <i>Paragraph 9</i>.
Gas Models: Gas line pressure too high or too low.	<ul style="list-style-type: none"> • 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).	<ul style="list-style-type: none"> • Check for proper installation. Refer to <i>Figure 42</i>.

	<h2 style="margin: 0;">WARNING</h2>
<p>To reduce the risk of electric shock, fire, explosion, serious injury or death:</p> <ul style="list-style-type: none"> • 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	

13. CLOTHES ARE TOO HOT WHEN REMOVED FROM DRYER

POSSIBLE CAUSE	TO CORRECT
Improper or inadequate exhaust system.	<ul style="list-style-type: none"> • Refer to INSTALLATION INSTRUCTIONS (supplied with dryer) for exhaust requirements.
Clothes are removed from dryer before cycle has completed.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • Test cycling thermostat and replace if inoperative.
Inoperative timer (not allowing cool-down).	<ul style="list-style-type: none"> • Test timer and replace if inoperative.
Inoperative seals (air leaks).	<ul style="list-style-type: none"> • Check and replace any inoperative seals in the following areas: <ol style="list-style-type: none"> 1. Seal between loading door and front panel. 2. Seal between front panel and front bulkhead. 3. Seal between blower cover and air duct. 4. Seal between cylinder and front or rear bulkhead. 5. Seal between upper and lower air ducts.

14. IGNITION CONTROL FLASHES (Figure 1)

NOTE: This control will lock-out the igniter after four failed attempts at ignition. **The control can be reset by opening loading door, waiting 1 minute, then closing loading door.** If door is closed before waiting 1 minute, the control will re-enter lockout. The red light will flash a “Flash Code” when the control is in the lock-out mode. The light will flash on for 1/4 second then off for 1/4 second for each number. The pause between flash codes is 2 seconds. These flashes are caused by the control’s diagnostic test and can be interpreted by reading the following:

FLASH CODE	POSSIBLE CAUSE	TO CORRECT
Constant Light	Internal failure.	<ul style="list-style-type: none"> • Reset dryer. If condition persists, then replace control.
One Flash	Air in gas line.	<ul style="list-style-type: none"> • Purge air from gas line.
	Flame sensor coated with Aluminum Oxide.	<ul style="list-style-type: none"> • Wipe sensor clean or replace sensor if necessary.
	Incorrect gas pressure.	<ul style="list-style-type: none"> • Check for correct gas pressure. If gas pressure is incorrect, then contact local gas company.
	Gas shut-off valve closed.	<ul style="list-style-type: none"> • Open gas shut-off valve.
Four Flashes	Internal failure.	<ul style="list-style-type: none"> • Reset dryer. If condition persists, then replace control.
	Loose or disconnected wiring.	<ul style="list-style-type: none"> • Check all wiring leading to, or coming from, the control module for secure connections.
	Open Igniter/igniter sensing circuit/voltage measurement circuit.	<ul style="list-style-type: none"> • Check igniter and all circuits, replace if necessary.

(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.

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14. IGNITION CONTROL FLASHES (continued)

FLASH CODE	POSSIBLE CAUSE	TO CORRECT
Five Flashes	Loose or disconnected wiring.	• Check all wiring leading to, or coming from, the control module for secure connections.
	Inoperative gas valve.	• Check gas valve and replace if necessary.
	Inoperative flame sensor.	• Replace flame sensor/igniter.
Six Flashes	Loose or disconnected wiring.	• Check all wiring leading to, or coming from, the control module for secure connections.
	Incorrect wiring.	• Check wiring diagram and make sure dryer is wired correctly.
	Incorrect polarity.	• Contact a professional electrician to check the polarity, and correct any problems.
Seven Flashes	Loose or disconnected wiring.	• Check all wiring leading to, or coming from, the control module for secure connections.
	Flame sensor and/or appliance not properly grounded.	• Check grounding from control to base, and from lead in cord to dryer.
Rapid Flashing	Incorrect frequency.	• Contact a professional electrician to check the frequency, and correct any problems. Power supply must be 50 – 60 Hz. 2-wire, plus grounding (earth) wire.

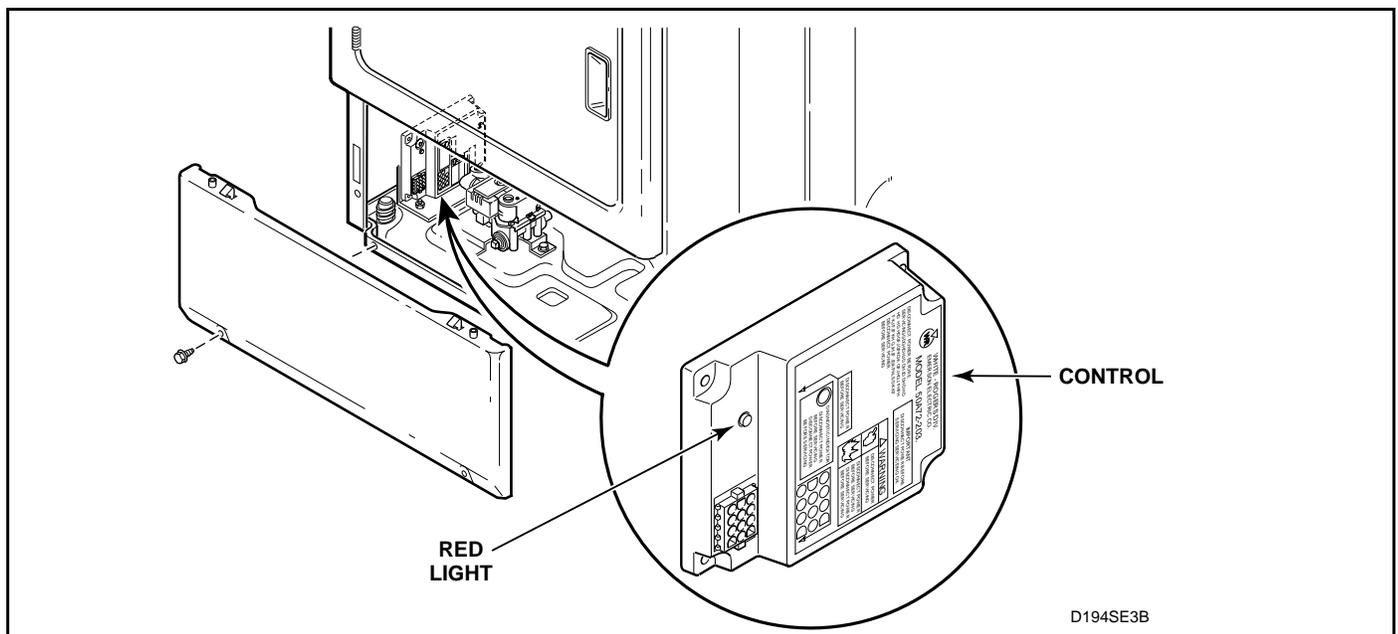


Figure 1

Section 4 Grounding



WARNING

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

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

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15. GROUND WIRES FROM TERMINAL BLOCK OR POWER CORD TO REAR BULKHEAD AND FROM REAR BULKHEAD TO CONTROL HOUSING (Figures 2 and 3).

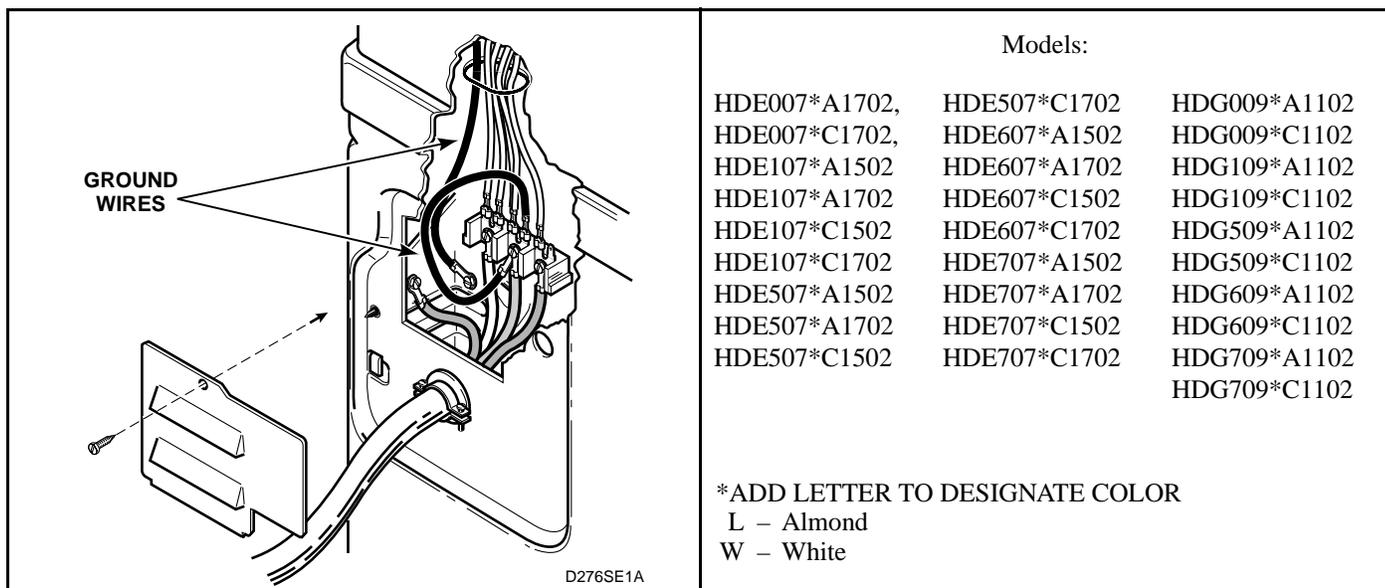


Figure 2

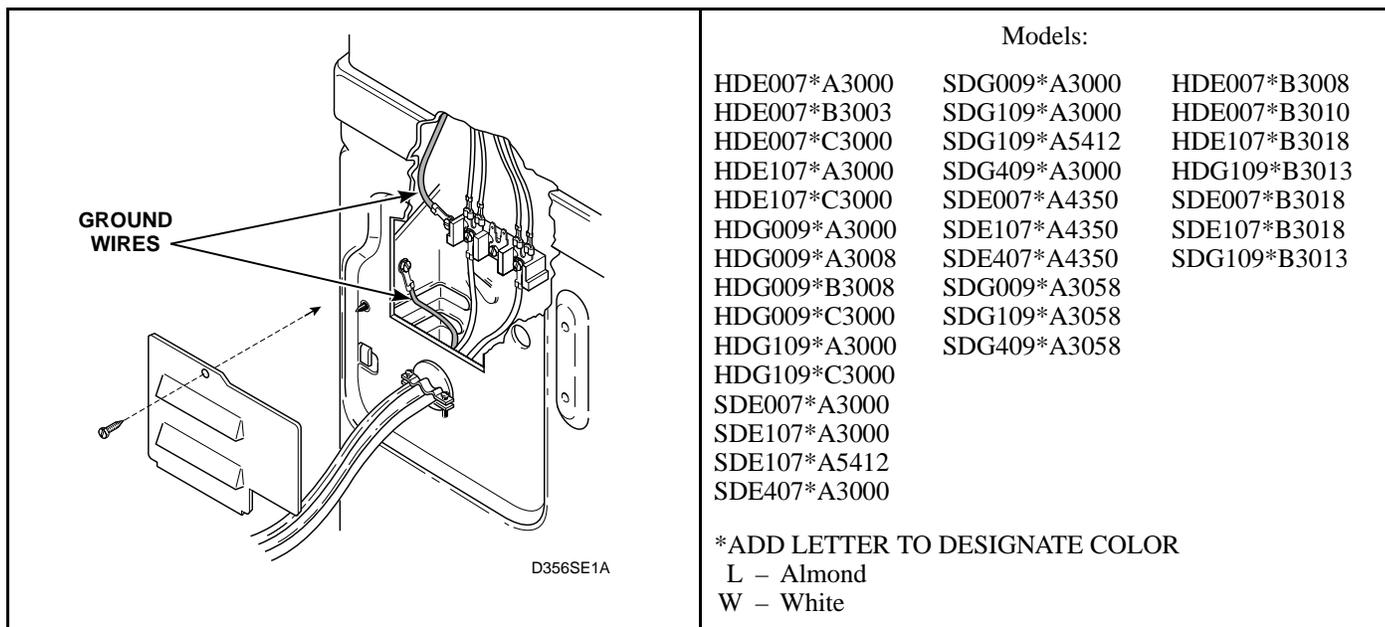


Figure 3



WARNING

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

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

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16. METERED AND NONMETERED MODELS – GROUND WIRES FROM REAR BULKHEAD TO ACCUMULATOR BRACKET OR TIMER (Depending on model) AND FROM CABINET TOP TO CONTROL PANEL (Figure 4).

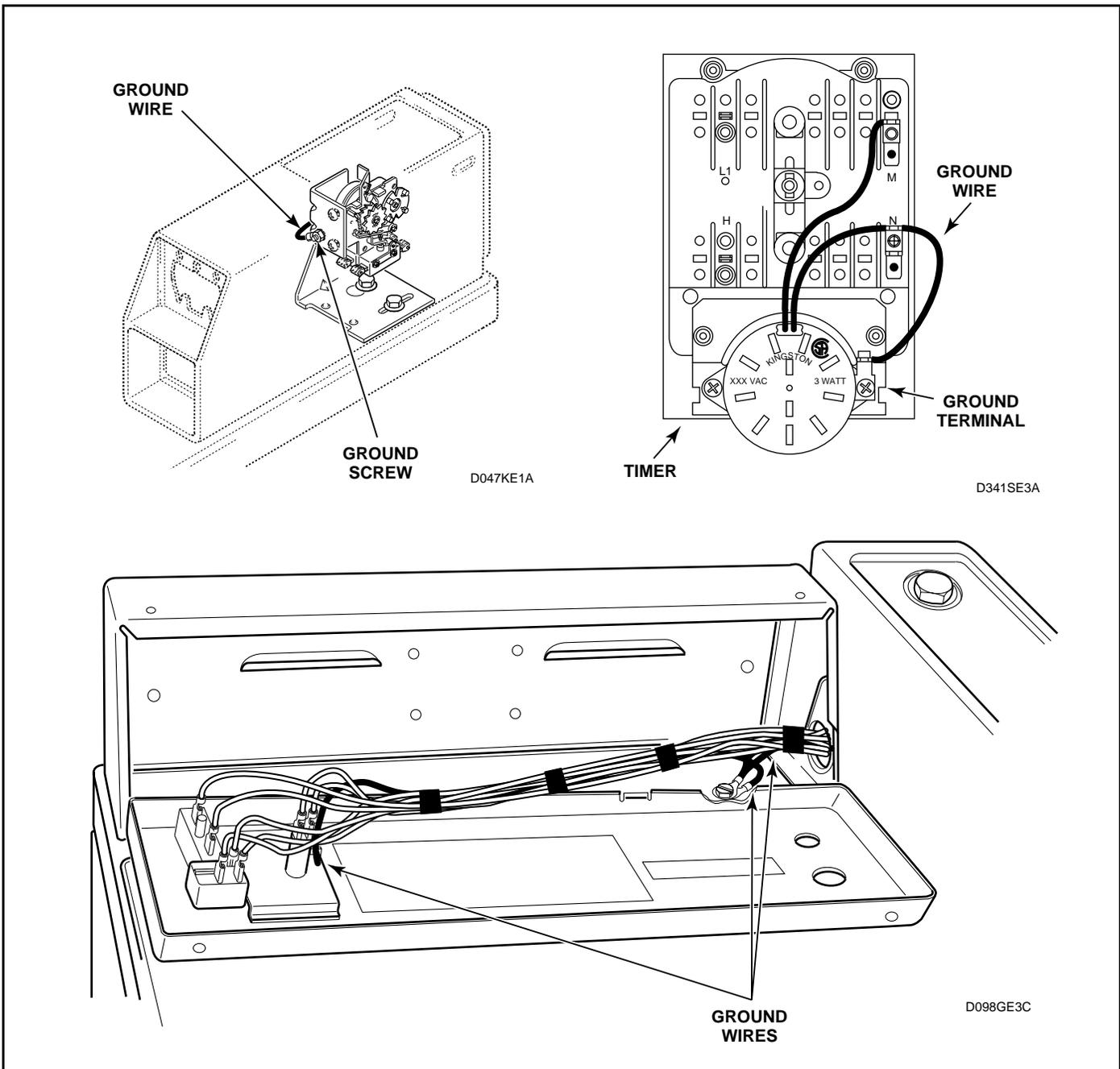


Figure 4



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

17. GROUND WIRES FROM REAR BULKHEAD TO TIMER MOUNTING BRACKET AND TO DRYER CABINET TOP. GROUND WIRES FROM TIMER MOUNTING BRACKET TO GRAPHIC PANEL (Figure 5).

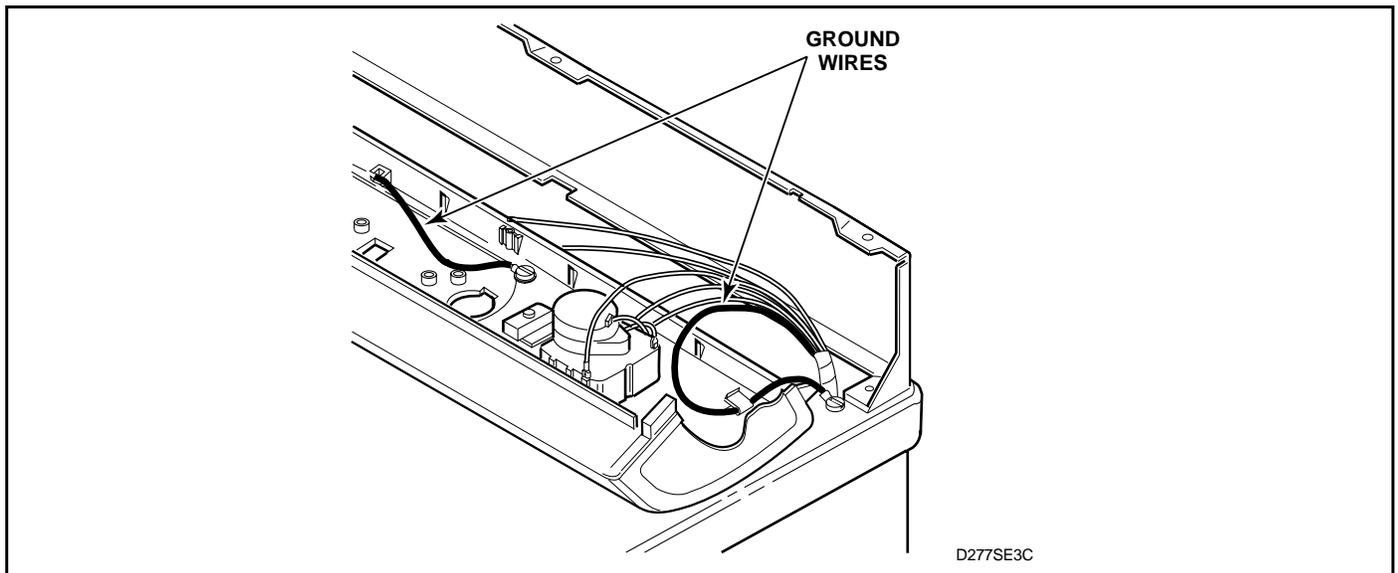


Figure 5

18. GROUND WIRES FROM DRYER BASE TO WIRE HARNESS AND TO IGNITION CONTROL (Gas Models With Silicon Nitrate Ignition System – Figure 6).

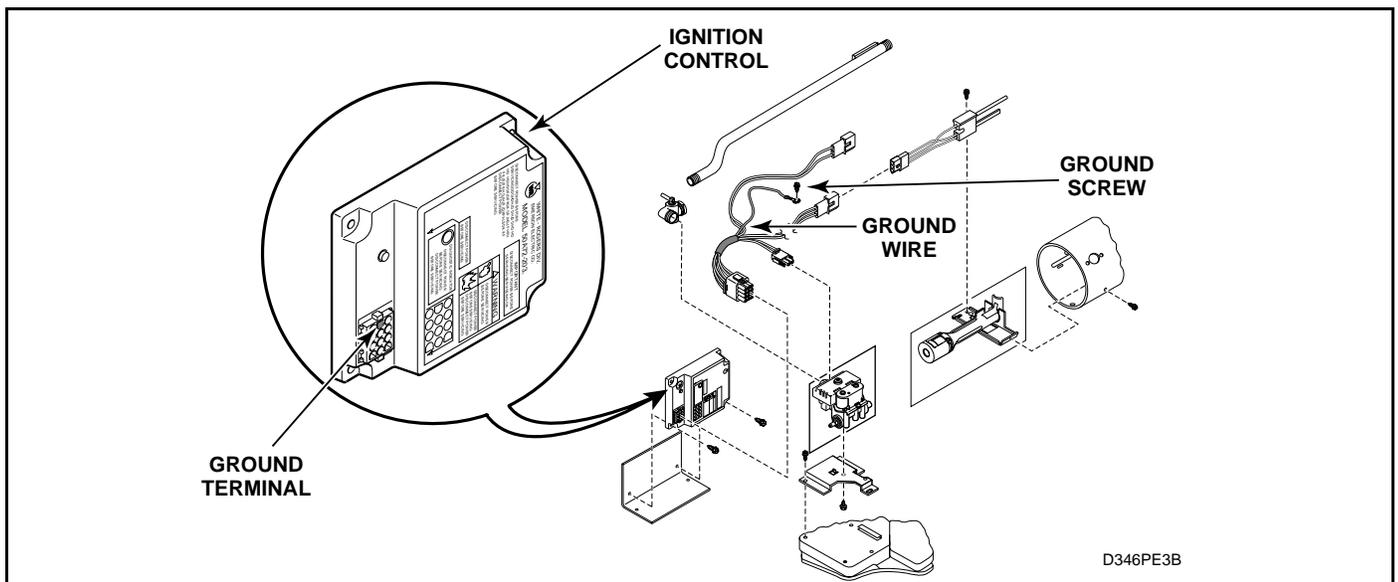


Figure 6

Section 5

Service Procedures

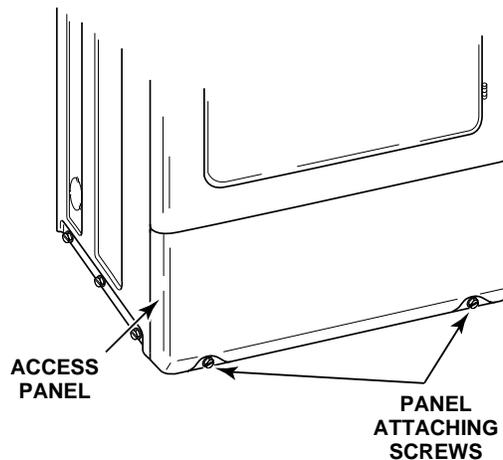


WARNING

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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D302SE3B

Figure 7

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.

19. ACCESS PANEL (Figure 7)

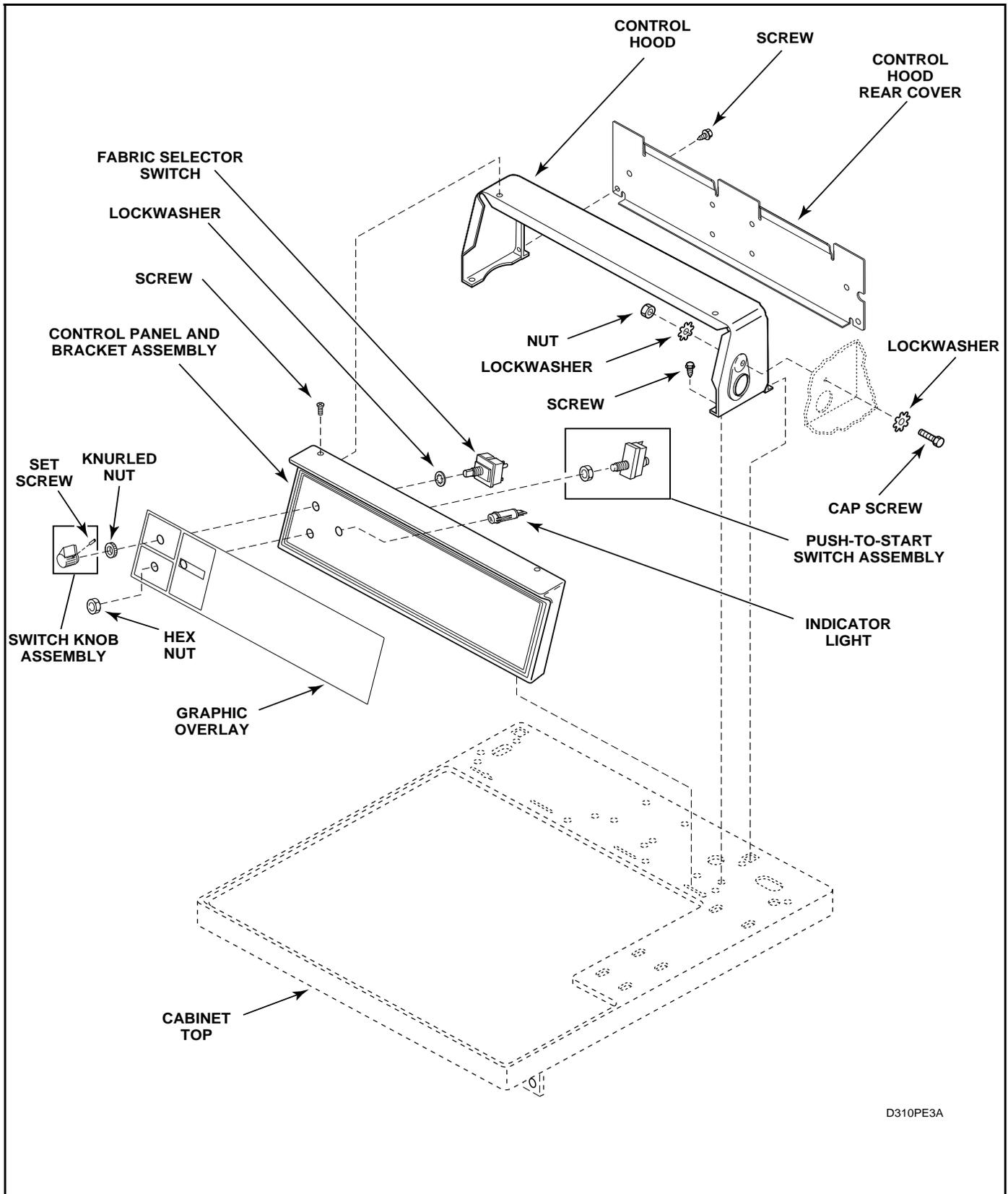
- While supporting the access panel, remove two screws from bottom edge of access panel.
- Gently lower the access panel to disengage locators from bottom edge of front panel.
- Remove access panel. See *Figure 34*.

20. CONTROL PANEL AND CONTROLS (Metered and Nonmetered) (Figure 8)

- Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top.
- Disconnect all wires to fabric selector switch, push-to-start switch and indicator light and remove ground clip and screw holding ground wire to cabinet top and control panel.

- Loosen setscrew holding switch knob to shaft and pull knob off shaft.
- Remove knurled nut holding fabric selector switch to panel and remove switch.
- Remove hex nut from push-to-start switch and remove switch.
- Squeeze locking tabs on indicator light and pull light out from back of panel.

NOTE: Refer to wiring diagram when reconnecting wires.



D310PE3A

Figure 8
CONTROL PANEL, CONTROL HOOD AND CONTROLS
(METERED AND NONMETERED MODELS)



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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21. GRAPHIC OVERLAY (*Figure 8*)

a. Removal

- (1.) Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top.
- (2.) Loosen setscrew holding switch knob to switch shaft. See *Figure 8*.
- (3.) Remove knurled nut holding fabric selector switch to panel.

NOTE: Lockwasher must be between fabric selector switch and control panel when installing switch. See *Figure 8*.

- (4.) Remove hex nut from push-to-start switch.
- (5.) Disconnect wires from switches and indicator lights.

NOTE: Refer to wiring diagram when rewiring switches and indicator light.

- (6.) Remove control panel overlay by peeling it from control panel frame.

NOTE: Control panel overlay has an adhesive backing.

b. Installation

NOTE: Before removing protective backing from new overlay, check fit of overlay to control panel frame. Switch holes are the locating guides.

- (1.) Once panel overlay is fitted to the front of control panel frame, carefully peel protective backing from the left end of panel overlay and press into place.
- (2.) Remove rest of protective backing from panel overlay and firmly press overlay into place on control panel frame.

22. TIMER (Nonmetered Models)

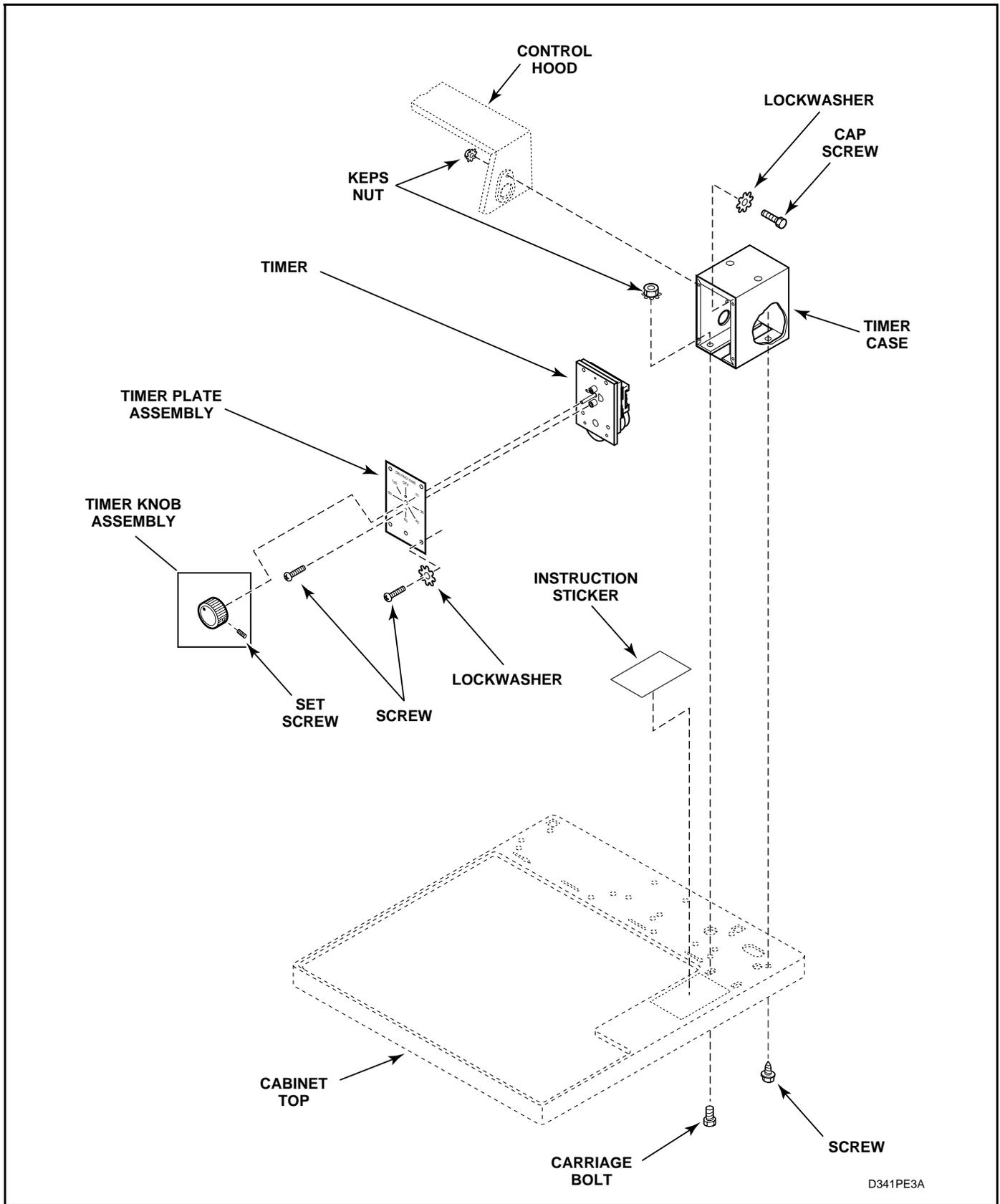
- a. Refer to *Figure 9* for timer removal.
- b. Loosen setscrew holding timer knob to timer shaft and remove knob.
- c. Remove four screws holding timer and plate to timer case.

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. See *Figure 4*.
- f. Disconnect wires from timer.

NOTE: Refer to wiring diagram when rewiring timer.

- g. Remove two screws holding timer to plate. See *Figure 9*.



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Figure 9
NONMETERED TIMER



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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23. ACCUMULATOR (Metered Models)

(Figure 10)

- 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, 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.

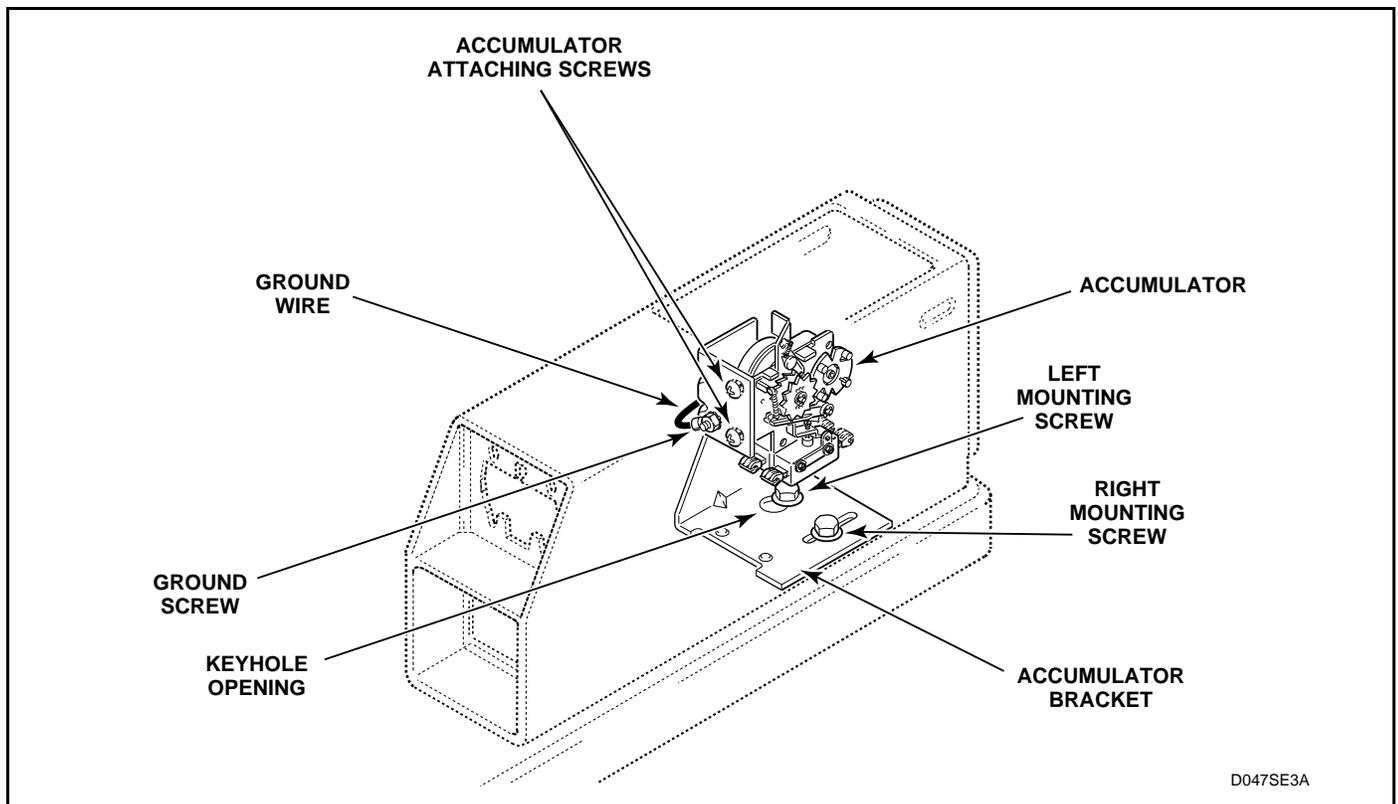
- c. Remove right mounting screw and slide accumulator bracket back. Once left mounting screw is over the keyhole opening, pull accumulator bracket up and out of meter case.

NOTE: When reinstalling accumulator bracket, push it completely forward before replacing the right mounting screw.

- d. Disconnect accumulator wires at connectors.

NOTE: Refer to wiring diagram when reconnecting wires.

- e. Remove ground screw holding green ground wire to accumulator mounting bracket.
- f. Remove two screws and lockwashers holding accumulator to mounting bracket.



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Figure 10
METERED ACCUMULATOR



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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24. ELECTRONIC CONTROL *(Figure 11)*

IMPORTANT: Due to the sensitivity of the electronic control, careful handling is required. As a precautionary measure, we recommend using a ground wrist strap when handling the electronic control. Wrist strap, cord and alligator clips are designed to carry away any electrostatic charge from your body and to direct charge to an available ground. By using this static protection device, potential electrostatic discharge problems associated with handling of electronic control will be minimized. Always handle electronic control by its metal edges. If a wrist strap is not available, touch dryer while it is plugged in before handling control to dissipate any charge.

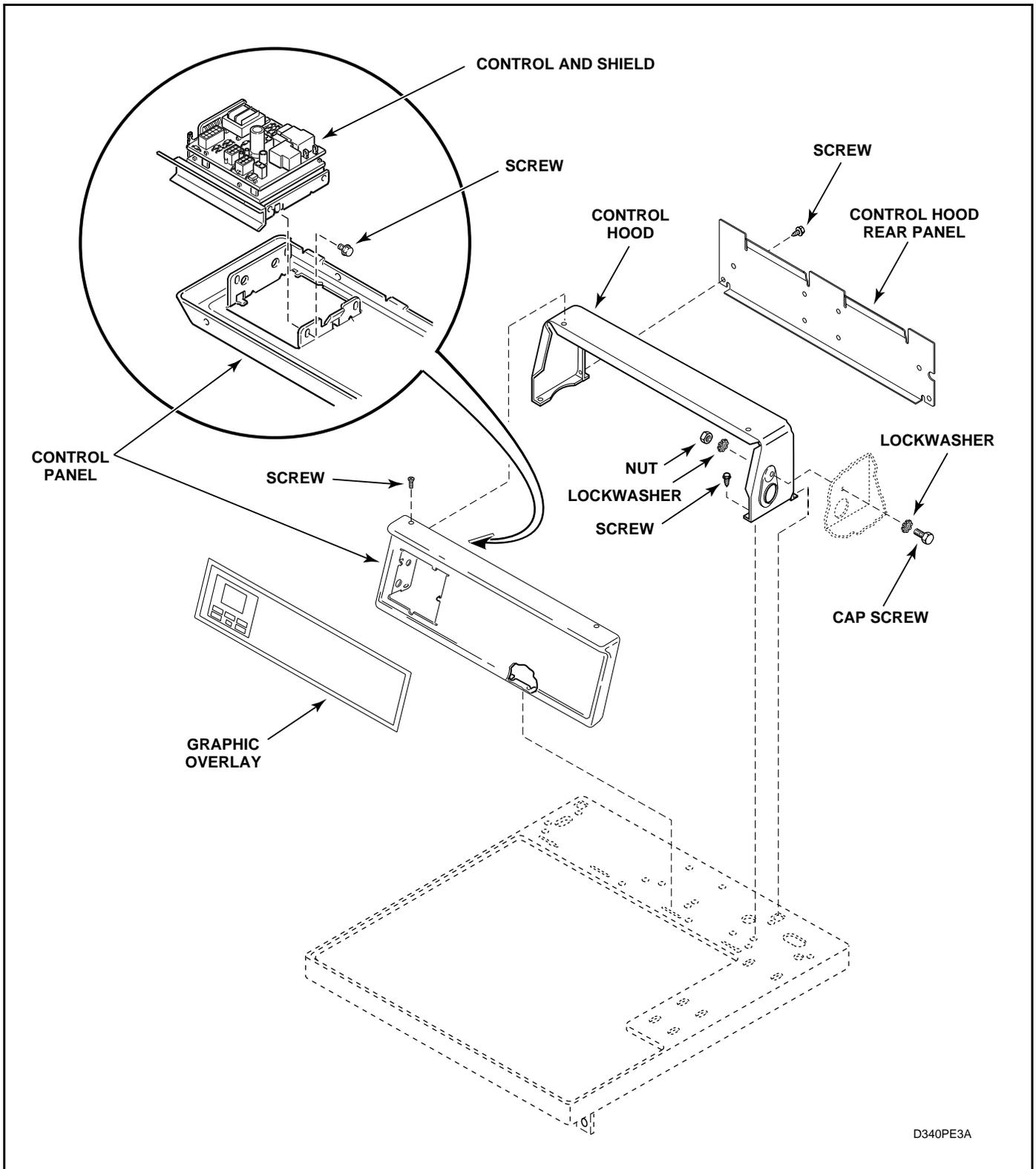
NOTE: New control is supplied in special anti-static packaging material. While holding control by its metal edges, remove control from packaging material.

- a. Remove two control panel attaching screws. Lay control panel assembly face down on protective padding.
- b. Press in on locking tabs and unplug harness disconnect blocks from backside of electronic control assembly.

NOTE: DO NOT pull on wires. Instead, hold board near appropriate disconnect block and unplug by pulling in disconnect block.

- c. Remove four screws holding electronic controls assembly to backside of control panel.
- d. Place the old control in the anti-static packaging material that the new control was supplied in.
- e. While holding new control by its metal edges, carefully peel off protective plastic coating from front side of control. Then place control in opening of control panel and fasten control down with four screws.
- f. Follow wiring diagram and reconnect wires to new control.

IMPORTANT: It is important to take care when handling the original control. It must be carefully placed in the packaging material which was removed from new control. If control is not wrapped properly, warranty credit will not be issued.



D340PE3A

Figure 11
CONTROL PANEL, CONTROL HOOD AND CONTROLS
(ELECTRONIC CONTROL MODELS)



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. COIN DROP

a. Single Coin Drop Removal

- (1.) Unlock and open service door.

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

- (2.) Disconnect wire harness from coin drawer switch and disconnect coin drop at disconnect plugs.
- (3.) Press in on locking tabs of service door switch and remove switch from bracket on meter case, as shown in *Figure 12*.

- (4.) 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. See *Figure 13*.

- (5.) Lift back end of coin drop and pull straight back until bottom edge of drop's front face plate falls behind the coin drawer housing.
- (6.) Carefully lift complete coin drop straight up and out of meter case.

b. Single Coin Drop Installation

Reverse removal procedures for installation.

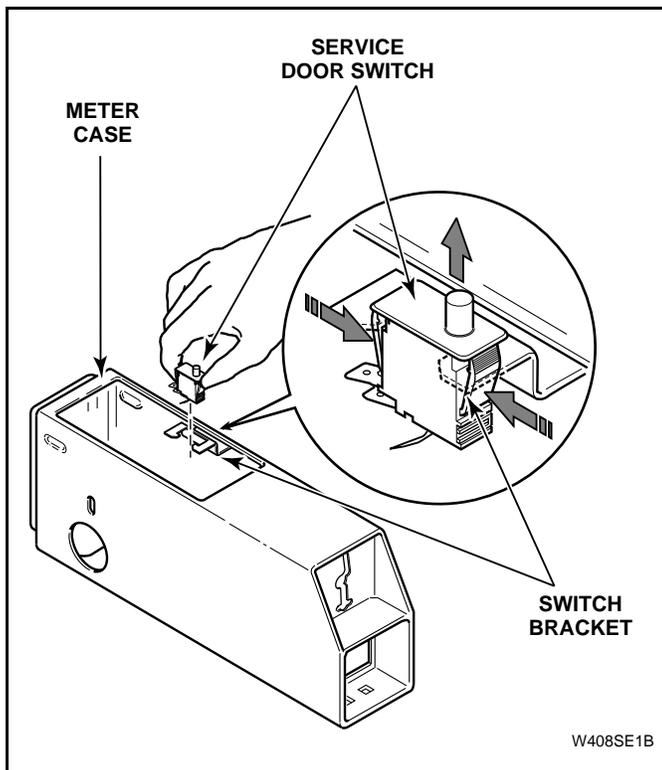


Figure 12

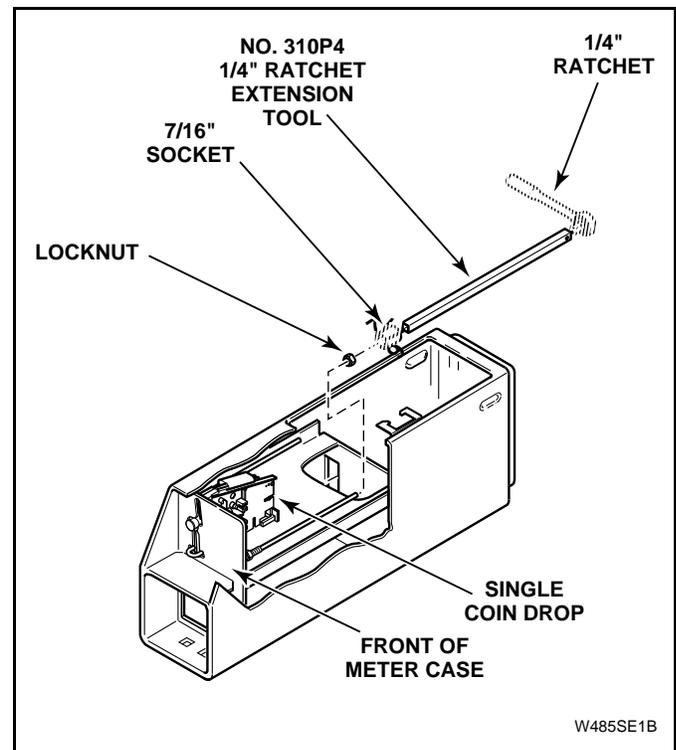


Figure 13



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.

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c. Dual Coin Drop Removal

- (1.) Unlock and open service door.

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

- (2.) Disconnect wire harness from coin drawer switch and disconnect coin drops at disconnect plugs.
- (3.) Press in on locking tabs of service door switch and remove switch from bracket on meter case, as shown in *Figure 14*.

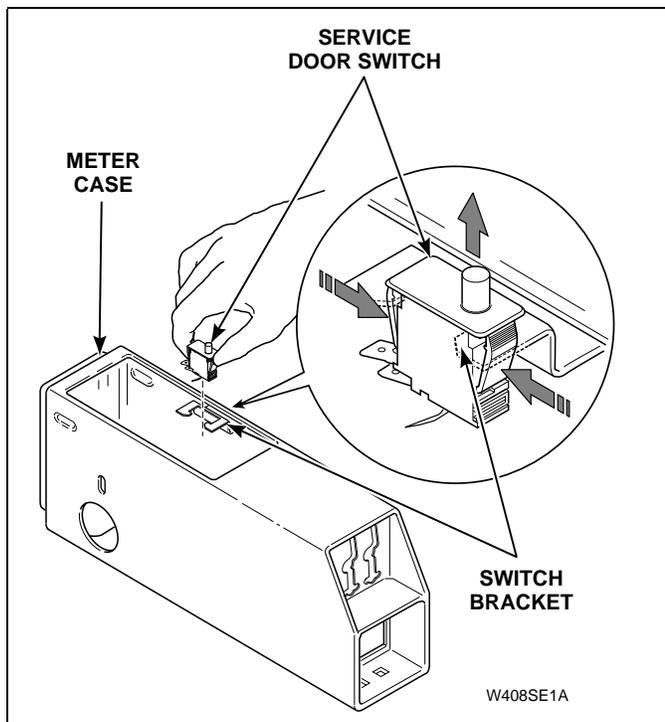


Figure 14

- (4.) Remove wire harness from multiplier (*Figure 15*). Move wire harness out of the way.
- (5.) Remove multiplier from inside meter case. See *Figure 15*.

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

- (6.) Press in on locking tabs of coin drawer switch and remove switch through front of meter case. See *Figure 15*.
- (7.) 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. See *Figure 15*.

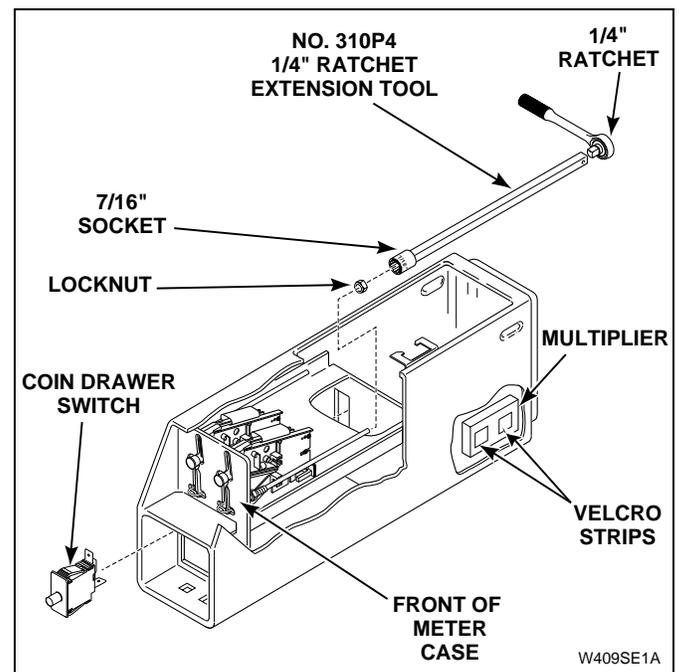


Figure 15



WARNING

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

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

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(8.) 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. See *Figure 16*.

(11.) Carefully lift complete coin drop straight up and out of meter case. See *Figure 18*.

NOTE: When lifting drop out of meter case, tip drop slightly so front face plate clears service door opening. See *Figure 18*.

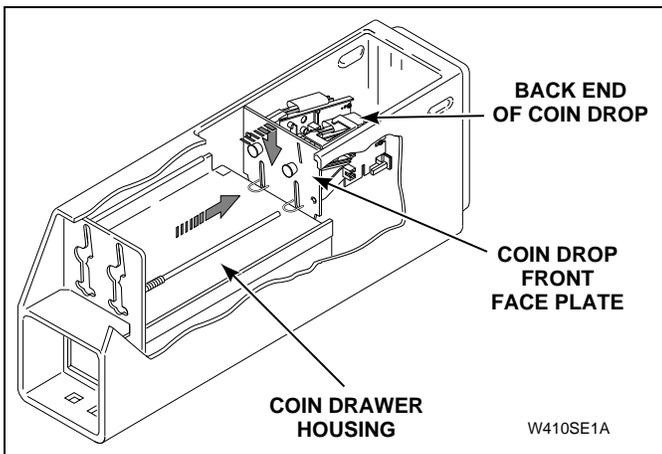


Figure 16

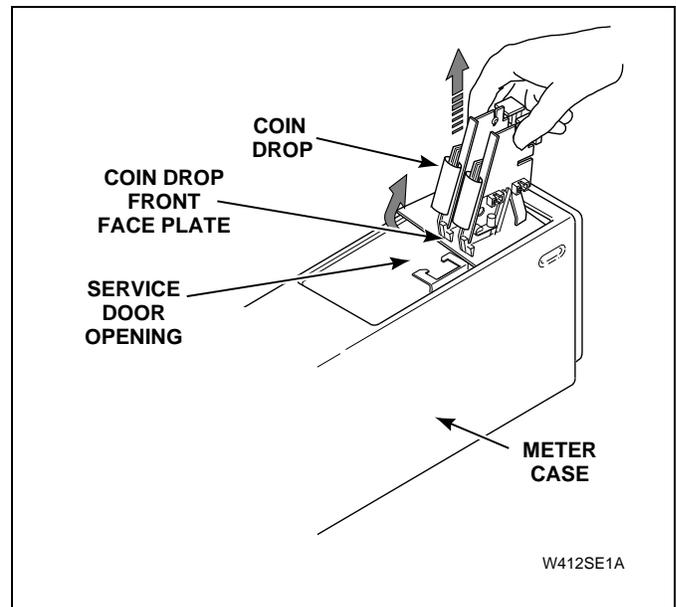


Figure 18

(9.) Lift up back end of coin drop until the two coin-return stops slide down past the coin drawer housing, as shown in *Figure 17*.

(10.) While holding back end of drop, allow drop's front face plate to rest on bottom of meter case. See *Figure 17*.

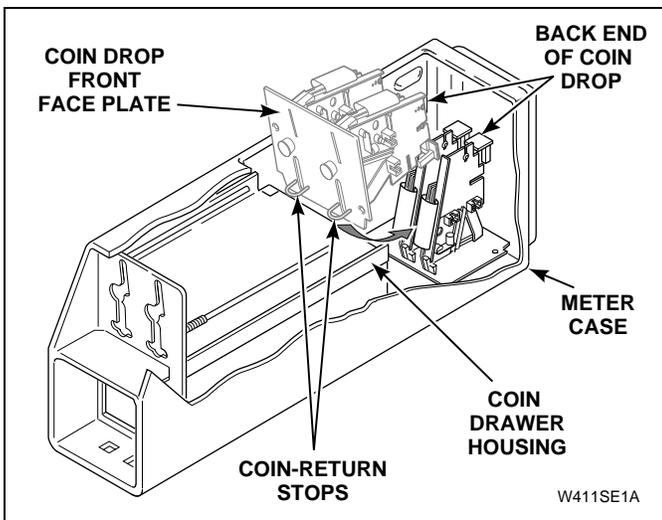


Figure 17



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.

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d. Dual Coin Drop Installation

- (1.) Gently work new coin drop into meter case with the drop's front face plate down. See *Figure 19*.

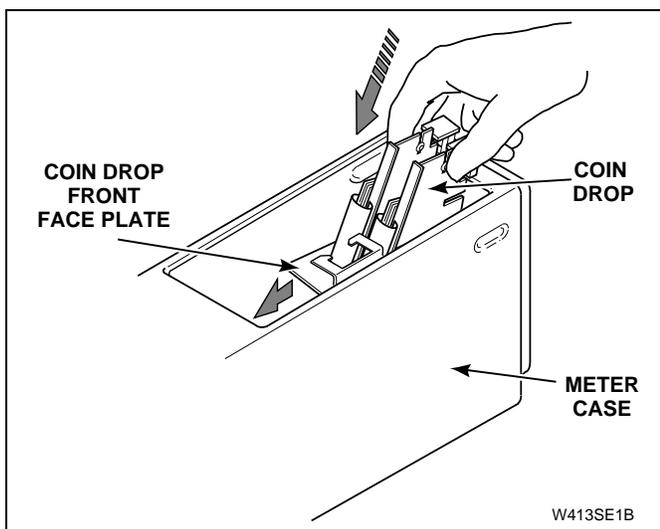


Figure 19

- (2.) Carefully pull front of coin drop up and forward, so the drop's front face plate clears the meter case's door switch bracket. See *Figure 20*.

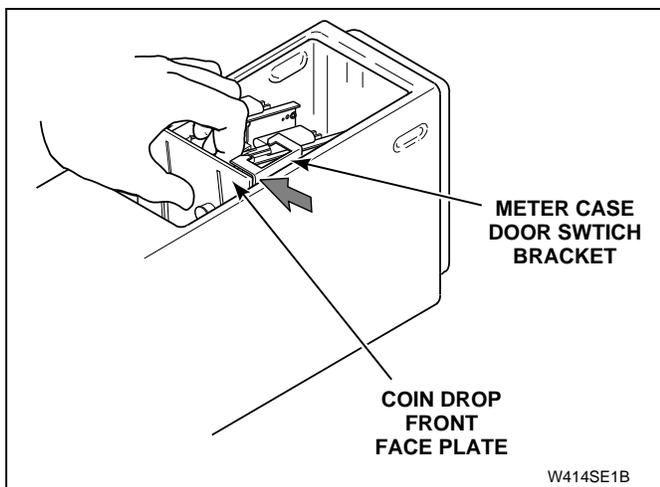


Figure 20

- (3.) Rest the two coin-return stops on top of the coin drawer housing, as shown in *Figure 21*.

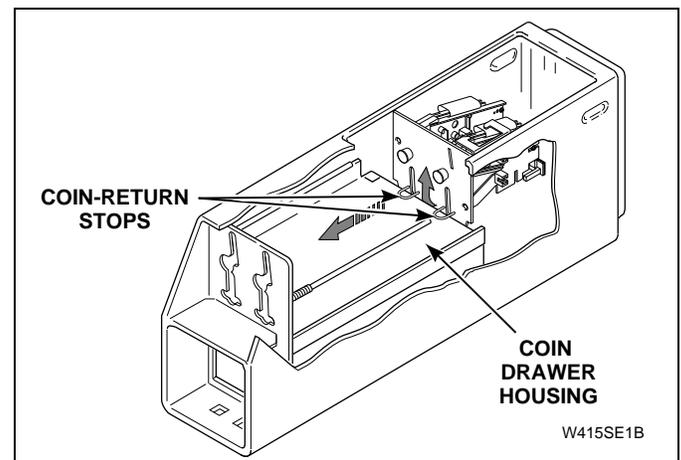


Figure 21

- (4.) Grasp top of coin drop front face plate between the two drops, as shown in *Figure 20*.
- (5.) 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. See *Figure 22*.

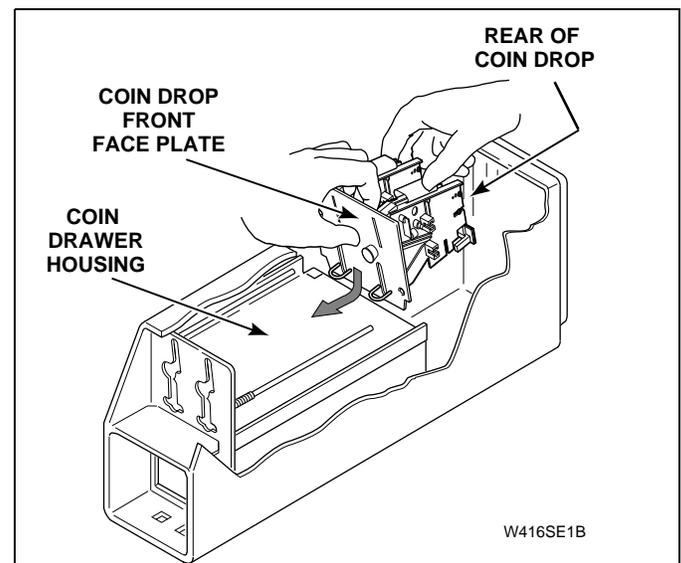


Figure 22



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.

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- (6.) Carefully slide coin drop forward into position, as shown in *Figure 23*. (Front face plate of coin drop should be secure against front plate of meter case.)

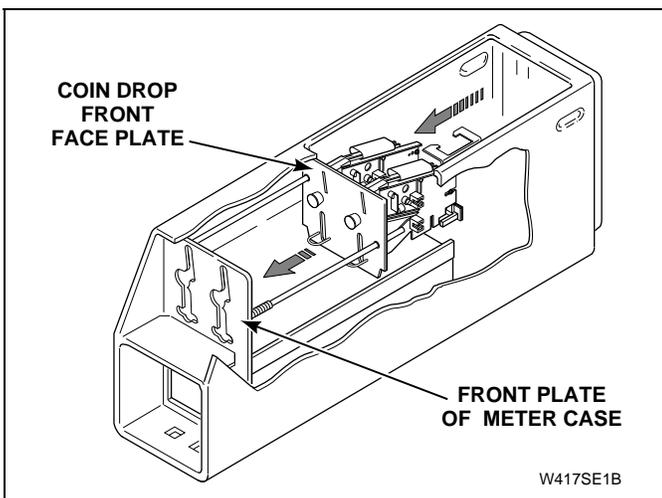


Figure 23

- (7.) Using a 7/16 inch socket with No. 310P4 1/4 inch Ratchet Extension Tool, reinstall the 2 locknuts shown in *Figure 13*. Tighten locknuts firmly.
- (8.) Reinstall coin drawer switch, removed in Step 19.
- (9.) Reconnect wires by referring to the wiring diagram located inside the control hood.
- (10.) Reinstall service door switch and wire harness into meter case bracket. See *Figure 14*.
- (11.) Reinstall multiplier and reconnect wires. See *Figure 15*.
- (12.) 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.

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26. METER CASE (Metered Models)

- a. Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top. See *Figure 8*.
- b. Disconnect all wires to components, and remove ground clip and screw holding ground wire to cabinet top and control panel. See *Figure 4*.

NOTE: Refer to wiring diagram when reconnecting wires.

- c. Insert key in service door lock on top of meter case and unlock door. See *Figure 10*.
- d. Lift rear of service door approximately 45° off meter case to disengage notched tabs with internal rib at top of meter case. See *Figure 10*.

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

- e. Disconnect wires from accumulator. See *Figure 10*.

NOTE: Refer to wiring diagram when reconnecting wires.

- f. Remove ground screw holding green ground wire to accumulator mounting bracket. See *Figure 10*.
- g. Remove two cap screws holding meter case to cabinet top. See *Figure 8*.

- h. Remove nut, lockwasher and screw holding meter case to right end of control hood. See *Figure 8*.
- i. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- j. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.
- 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 locators from cabinet top. See *Figure 24*.

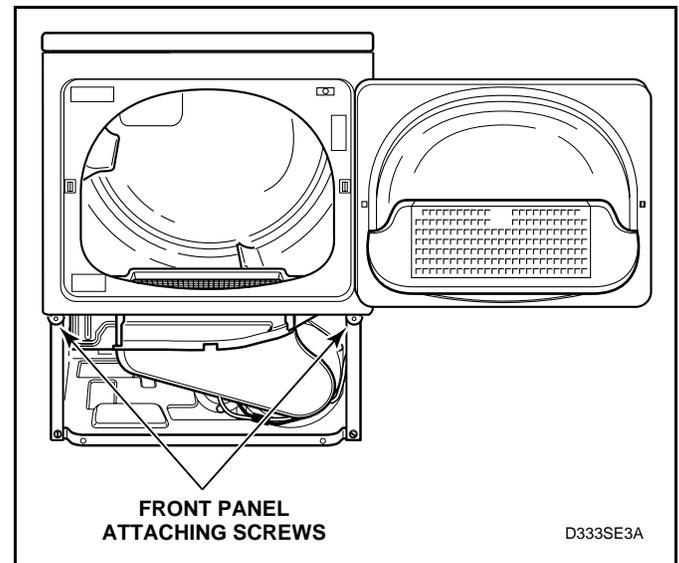


Figure 24



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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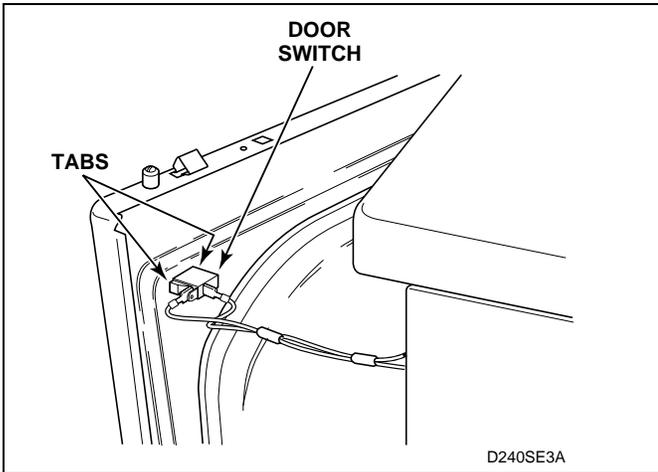


Figure 25

1. Disconnect wires from door switch. See *Figure 25*.

NOTE: Refer to wiring diagram when rewiring switch.

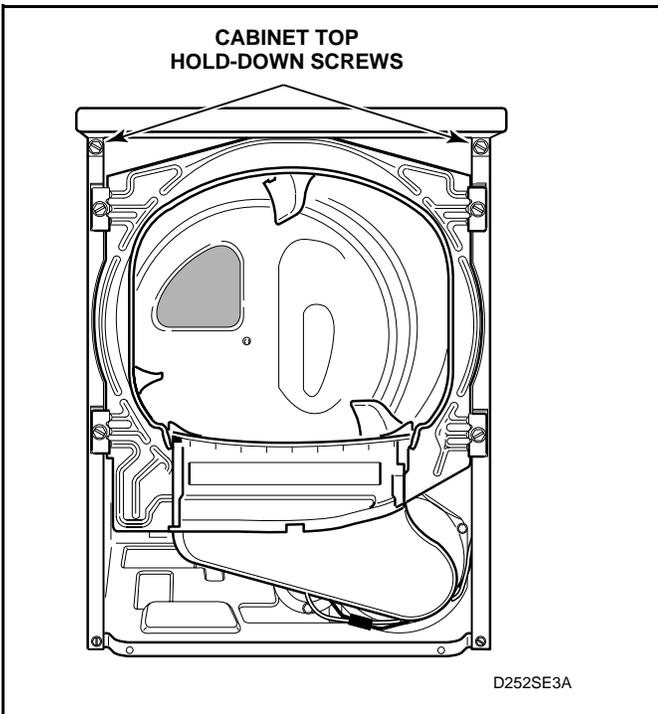


Figure 26

NOTE: Accumulator and hardware must be removed prior to raising cabinet top to a vertical position. See *Figure 10*.

- m. Remove two cabinet top hold-down screws. See *Figure 26*.
- n. Lift cabinet top to a vertical position by hinging it on the rear hold-down brackets. See *Figure 27*.

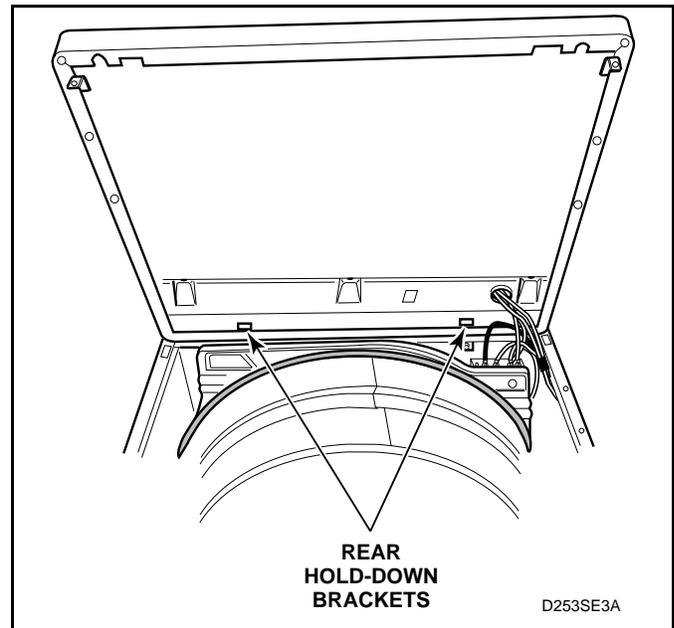


Figure 27

NOTE: While servicing, cabinet top may be raised and hinged on the rear hold-down brackets 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 hold-down brackets. See *Figure 27*.
- p. Lay the cabinet top assembly flat, remove carriage bolts, bracket, gasket and nuts holding meter case to cabinet top and remove meter case.



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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27. TIMER CASE (Nonmetered Models)

- a. Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top. See *Figure 8*.
- b. Disconnect all wires from components and remove ground clip and screw holding ground wire to cabinet top and control panel. See *Figure 4*.

NOTE: Refer to wiring diagram when reconnecting wires.

- c. Remove four screws holding timer and plate to timer case. See *Figure 9*.
- d. Pull timer and plate out of timer case as far as wires will permit. See *Figure 9*.
- e. Remove ground wire from ground terminal on timer. See *Figure 4*.
- f. Disconnect wires from timer.

NOTE: Refer to wiring diagram when rewiring timer.

- g. Remove cap screw, lockwashers and nut holding timer case to control hood. See *Figure 9*.
- h. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- i. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.
- j. Remove two screws holding bottom tabs on front panel to dryer cabinet. See *Figure 24*. Swing front panel away from dryer to disengage hold-down clips and locators from cabinet top.
- k. Disconnect wires from door switch. See *Figure 25*.

NOTE: Refer to wiring diagram when rewiring switch.

- l. Remove two cabinet top hold-down screws. See *Figure 26*.
- m. Lift cabinet top to a vertical position by hinging it on the rear hold-down brackets. See *Figure 27*.

NOTE: While servicing, cabinet top may be raised and hinged on the rear hold-down brackets 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 hold-down brackets. See *Figure 27*.
- o. Lay the cabinet top assembly flat and remove two carriage bolts and nuts holding front of timer case to cabinet top. See *Figure 9*.
- p. Remove screw holding rear of case to cabinet top and remove case. See *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.**

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28. SECURITY CASE AND CARD READER (Card Reader Models)

- a. Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top. See *Figure 8*.
- b. Disconnect all wires from components and remove ground clip and screw holding ground wire to cabinet top and control panel. See *Figure 4*.

NOTE: Refer to wiring diagram when reconnecting wires.

- c. Loosen screw holding service door to security case and remove service door, bracket and retainer nut. See *Figure 28*.
- d. Remove shield from inside security case. See *Figure 28*.
- e. Remove two screws holding card reader to security case. See *Figure 28*.
- f. Pull card reader out of security case as far as wires will permit. See *Figure 28*.
- g. Disconnect wires from card reader. See *Figure 28*.

NOTE: Refer to wiring diagram when rewiring card reader.

- h. Remove cap screw, lockwashers and nut holding security case to control hood. See *Figure 28*.
- i. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- j. Gently lower the access panel to disengage locators from bottom edge of front panel.
- k. Remove two screws holding bottom tabs on front panel to dryer cabinet. See *Figure 24*. Swing front panel away from dryer to disengage hold-down clips and locators from cabinet top.
- l. Disconnect wires from door switch. See *Figure 25*.

NOTE: Refer to wiring diagram when rewiring switch.

- m. Remove two cabinet top hold-down screws. See *Figure 26*.
- n. Lift cabinet top to a vertical position by hinging it on the rear hold-down brackets. See *Figure 27*.

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

- o. Carefully withdraw wire harness through hole in cabinet top and lift the entire cabinet top assembly off the rear hold-down brackets. See *Figure 27*.
- p. Lay the cabinet top assembly flat and remove two carriage bolts and nuts holding front of timer case to cabinet top. See *Figure 28*.
- q. Remove screw holding rear of case to cabinet top and remove case.

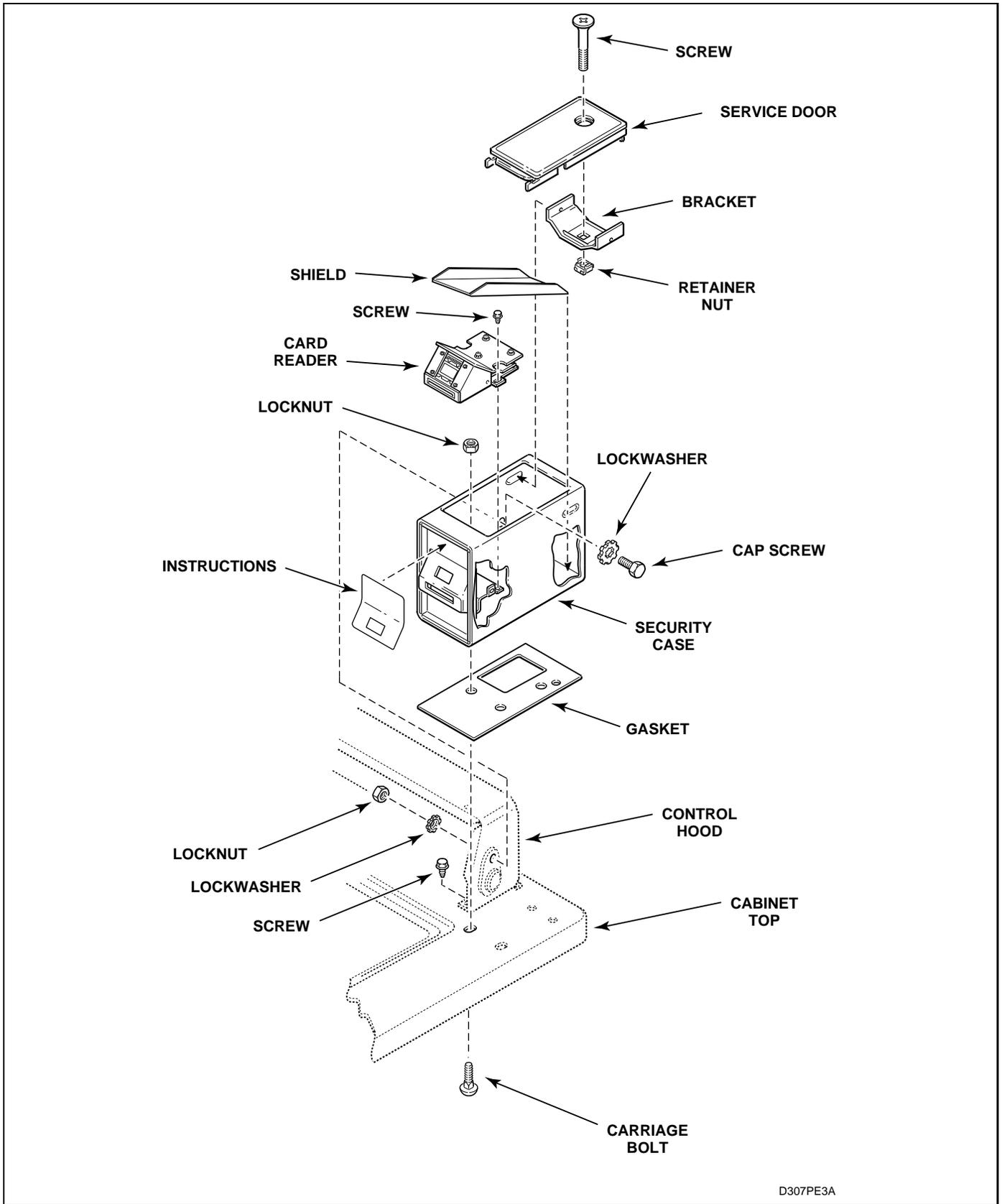


Figure 28
SECURITY CASE AND CARD READER



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. CONTROL HOOD

- a. Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top. See *Figure 8*.
- b. Disconnect all wires to components and remove ground clip and screw holding ground wire to cabinet top and control panel. See *Figure 4*.

NOTE: Refer to wiring diagram when reconnecting wires.

- c. **Metered models: (Refer to *Figure 10*)**
 - (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, front end of door must be inserted at about 45° angle in order to engage notched tabs with internal rib at top of meter case.

- d. **Nonmetered models: (Refer to *Figure 9*)**
 - (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.
- e. Remove cap screw holding control hood end to meter case, timer case or security case. See *Figure 8*.
- f. Remove two screws holding control hood to cabinet top and lift hood off rear tabs. See *Figure 8*.

30. CABINET TOP (Nonmetered Models)

- a. Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top. See *Figure 8*.
- b. Disconnect all wires to components and remove ground clip and screw holding ground wire to cabinet top and control panel. See *Figure 4*.

NOTE: Refer to wiring diagram when reconnecting wires.

- c. Remove four screws holding timer and plate to timer case. See *Figure 9*.

- d. Pull timer and plate out of timer case as far as wires will permit. See *Figure 9*.
- e. Remove ground wire from ground terminal on timer. See *Figure 4*.
- f. Disconnect wires from timer.

NOTE: Refer to wiring diagram when rewiring timer.

- g. Remove cap screw, lockwashers and nut holding timer case to control hood. See *Figure 9*.
- h. Remove two screws holding control hood to cabinet top and lift hood off rear tabs. See *Figure 9*.
- i. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- j. Gently lower the access panel to disengage locators from bottom edge of front panel.
- k. Remove two screws holding bottom tabs on front panel to dryer cabinet. See *Figure 24*. Swing bottom of front panel away from dryer to disengage hold-down clips and locators from cabinet top.
- l. Disconnect wires from door switch. See *Figure 25*.

NOTE: Refer to wiring diagram when rewiring switch.

- m. Remove two cabinet top hold-down screws. See *Figure 26*.
- n. Lift cabinet top to a vertical position by hinging it on the rear hold-down brackets. See *Figure 27*.

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

- o. Carefully withdraw wire harness through hole in cabinet top and lift the top off the rear hold-down brackets with timer case attached. See *Figure 27*.
- p. Lay cabinet top flat and remove two cap screws, washers, lockwashers and nuts holding front of timer case to cabinet top. See *Figure 9*.
- q. Remove screw holding rear of case to cabinet top and remove case. See *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.

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31. CABINET TOP (Metered Models)

- a. Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top. See *Figure 8*.
- b. Disconnect all wires to components and remove ground clip and screw holding ground wire to cabinet top and control panel. See *Figure 4*.

NOTE: Refer to wiring diagram when reconnecting wires.

- c. Insert key in service door lock on top of meter case and unlock door.
- d. 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 a 45° angle in order to engage notched tabs with internal rib at top of meter case.

- e. Remove right mounting screw and slide accumulator bracket back. Once left mounting screw is over the keyhole opening, pull accumulator bracket up and out of meter case. See *Figure 10*.

NOTE: When reinstalling accumulator bracket, push it completely forward before replacing the right mounting screw.

- f. Disconnect wires from accumulator. See *Figure 10*.

NOTE: Refer to wiring diagram when reconnecting wires.

- g. Remove hex head ground screw holding green ground wire to accumulator mounting bracket. See *Figure 10*.
- h. Remove two cap screws (inside meter case) holding meter case to cabinet top. See *Figure 10*.
- i. Remove nut, lockwasher and screw holding meter case to right end of control hood. See *Figure 11*.
- j. Remove two screws holding control hood to cabinet top and lift hood off rear tabs. See *Figure 8*.
- k. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- l. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.
- m. Remove two screws holding bottom tabs on front panel to dryer cabinet. See *Figure 24*. Swing bottom of front panel away from dryer to disengage hold-down clips and locators from cabinet top.
- n. Disconnect wires from door switch. See *Figure 25*.

NOTE: Refer to wiring diagram when rewiring switch.

NOTE: Accumulator and hardware must be removed prior to raising cabinet top to a vertical position. See *Figure 10*.

- o. Remove two cabinet top hold-down screws. See *Figure 26*.
- p. Lift cabinet top to a vertical position by hinging it on the rear hold-down brackets. See *Figure 27*.

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

- q. Carefully withdraw wire harness through hole in cabinet top and lift the top off the rear hold-down brackets with meter case attached. See *Figure 27*.
- r. Lay cabinet top flat, remove carriage bolts, washers, bracket, gasket, and nuts holding meter case to cabinet top and remove the meter case.



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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32. LINT FILTER (Figure 29)

- Open loading door and remove screw from end of lint filter.
- Lift lint filter out of air duct, paying close attention to orientation.

IMPORTANT: When installing lint filter, be sure to install the filter with the words facing the front of the

dryer. If filter is installed backwards, lint will accumulate in exhaust system, which can adversely affect dryer performance.

33. LOADING DOOR AND DOOR HINGE

- Open loading door.
- Remove screws holding loading door to hinges. See Figure 29.

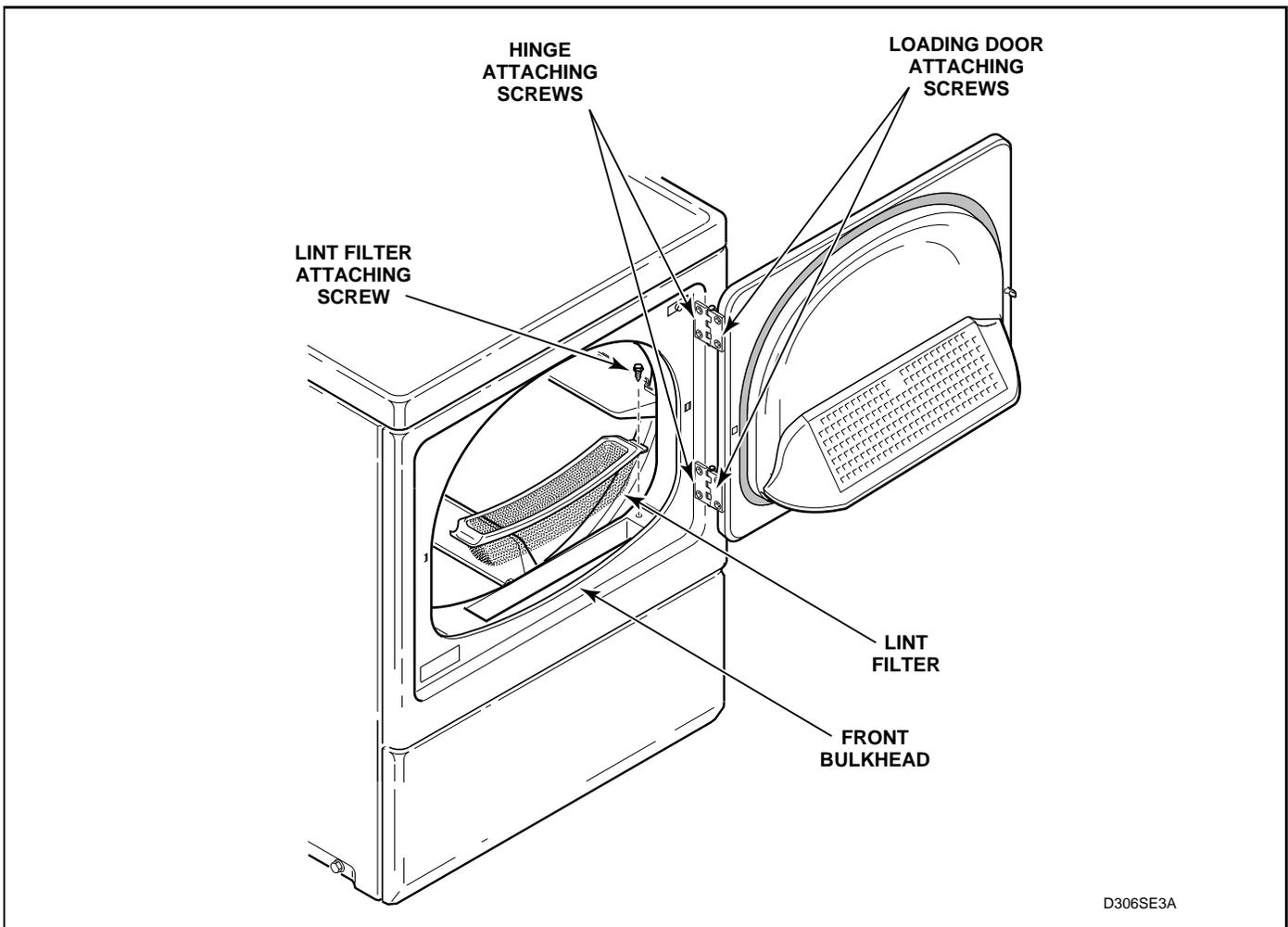


Figure 29

Reversing Door Procedure . . .

The door on this dryer is completely reversible. To reverse door proceed as follows:

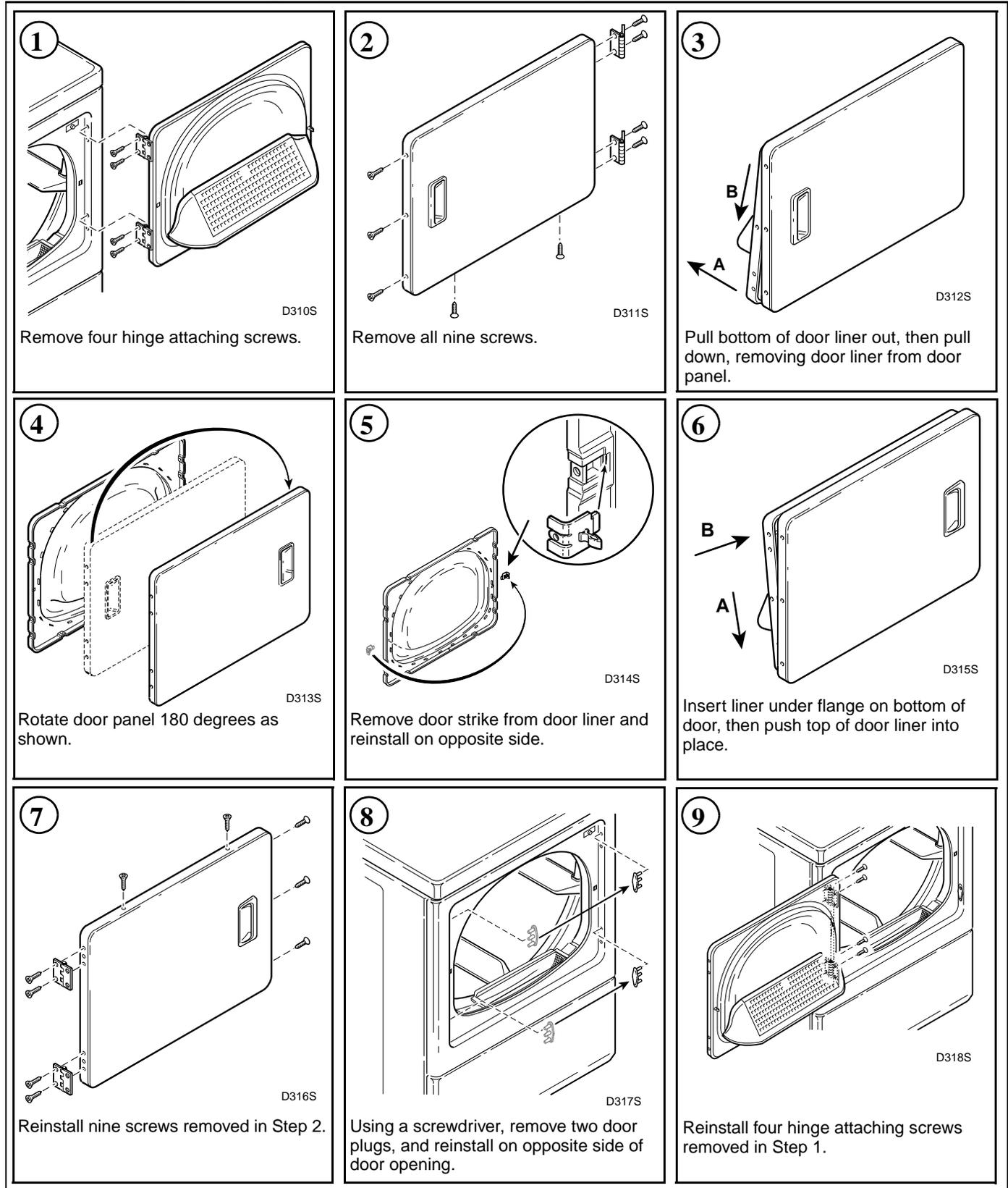


Figure 30



WARNING

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

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

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34. INNER AND OUTER DOOR PANELS AND DOOR PULL

- a. Remove four screws holding door assembly to hinges. See *Figure 29*.
- b. Remove remaining screws around the door perimeter and separate panels. See *Figure 31*.
- c. Remove wedge (located behind door pull) by carefully prying up on center of wedge. See *Figure 31*.
- d. Remove door pull. See *Figure 31*.

35. DOOR STRIKE (*Figure 31*)

- a. Open loading door.
- b. Remove screw holding door strike and bracket to loading door and remove strike and bracket.

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

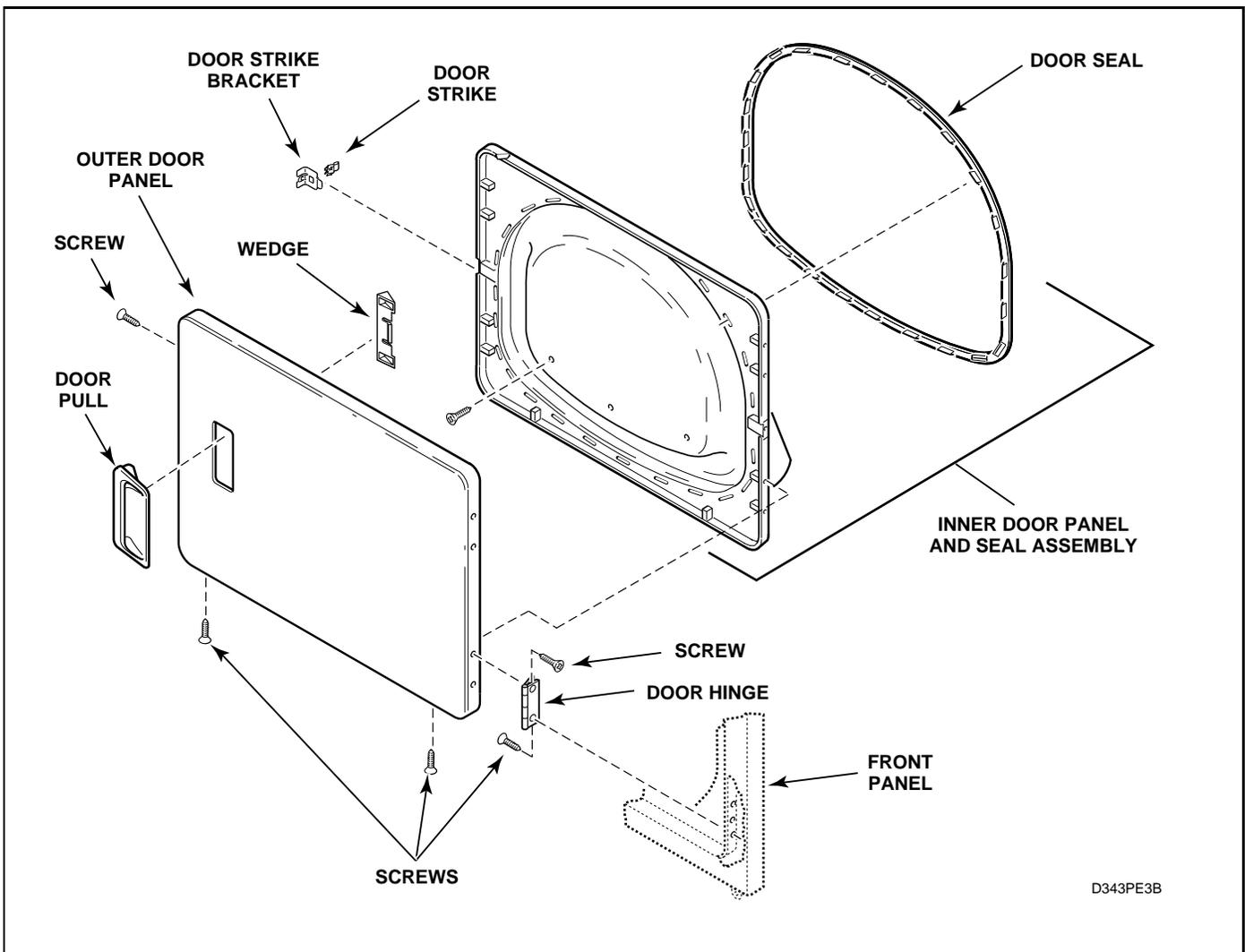


Figure 31



WARNING

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

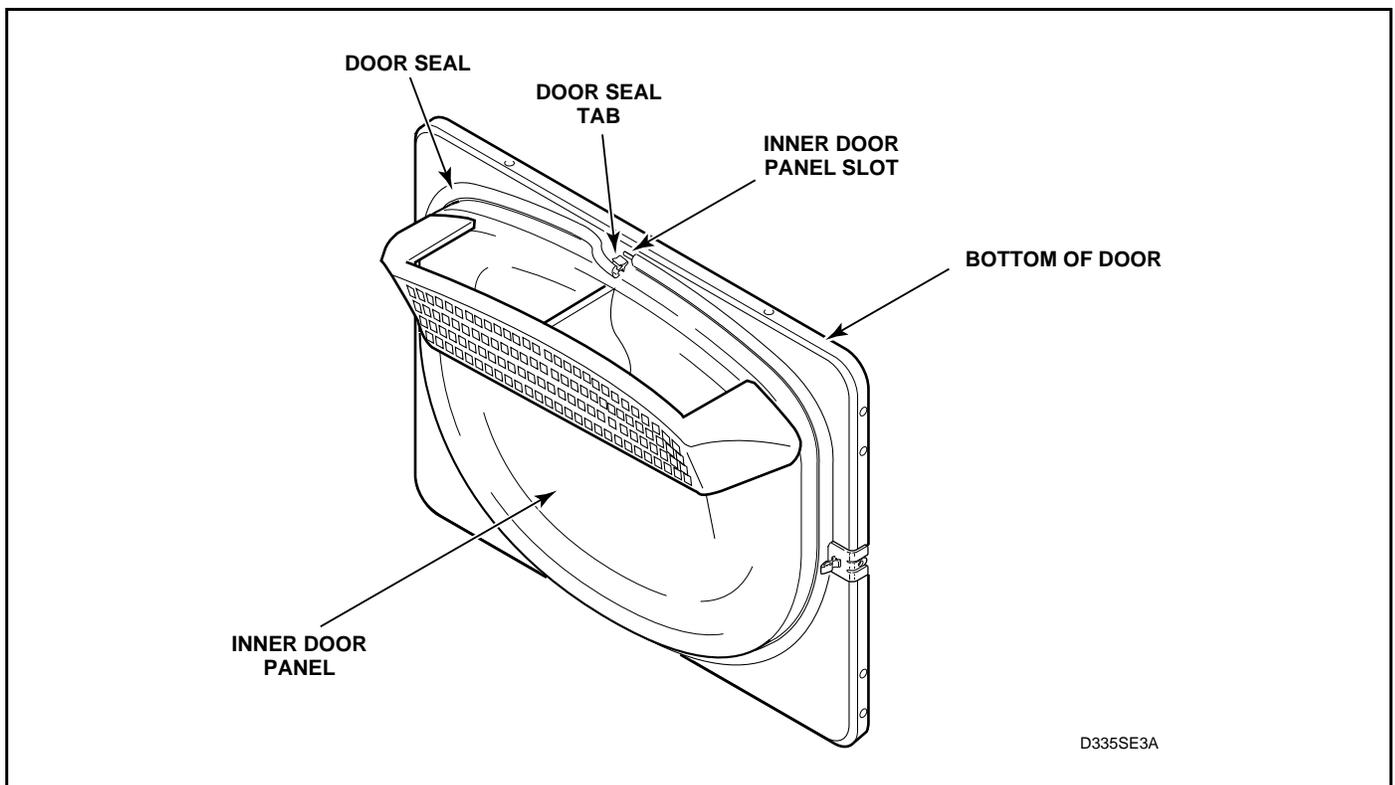
- Disconnect electric power to the dryer(s) before servicing.
- Close gas shut-off valve to gas dryer(s) before servicing.
- Never start the dryer(s) with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is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

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36. DOOR SEAL (Figure 32)

- Remove inner door panel from outer door panel.
See *Paragraph 34*.
- Grasp either end of door seal at bottom of door and remove seal from tabs on inner door panel by gently pulling on the seal. See *Figure 32*.

NOTE: When replacing seal, be sure seal is not stretched or distorted. The tab in the seal should be installed in each slot of the inner door panel, shown in *Figure 32*. The split in the seal must be at the bottom of the door. Make sure that each tab of the seal is fully engaged into the slot.



D335SE3A

Figure 32



WARNING

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

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

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37. FRONT PANEL AND PANEL SEAL

(Figure 34)

- a. While supporting the access panel, remove two screws from bottom edge of access panel. See Figure 7.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. See Figure 34.
- c. Remove two screws holding bottom tabs on front panel to dryer side panels. Swing bottom of front panel away from dryer far enough to disengage hold-down clips and locators from cabinet top.
- d. Disconnect wires from door switch.

NOTE: Refer to wiring diagram when rewiring switch.

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

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

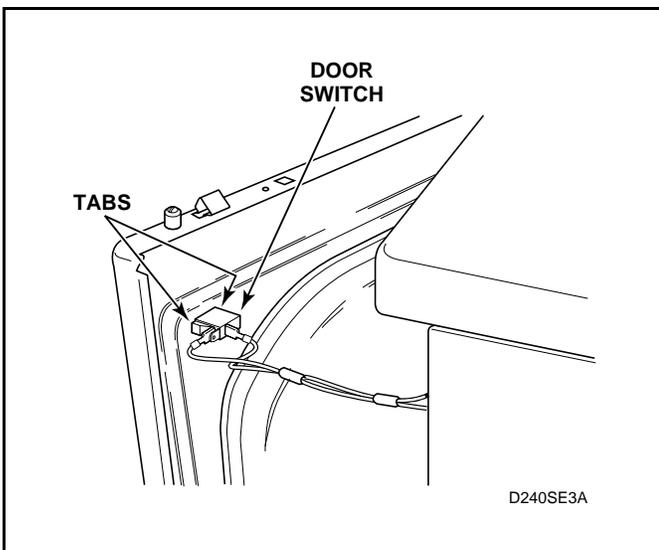


Figure 33

38. DOOR SWITCH

- a. While supporting the access panel, remove two screws from bottom edge of access panel. See Figure 7.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. See Figure 34.
- c. Remove two screws holding tabs on front panel to dryer side panels. Swing bottom of front panel away from dryer far enough to disengage hold-down clips and locators from cabinet top.
- d. Disconnect wires from door switch. See Figure 33.

NOTE: Refer to wiring diagram when rewiring switch.

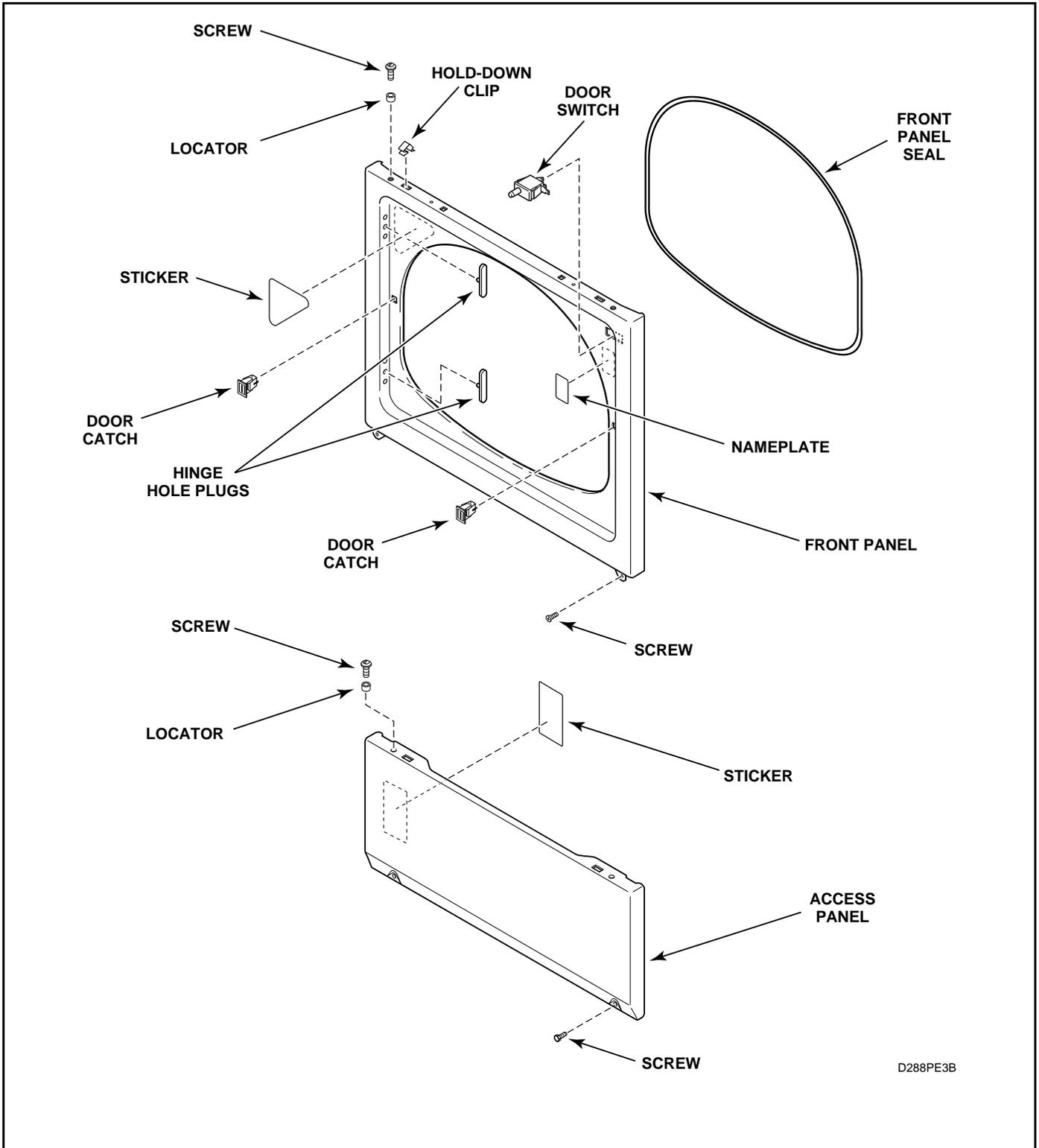
- e. Depress tabs on switch and push out of front panel. See Figure 33.

39. DOOR CATCH (Figure 34)

- a. While supporting the access panel, remove two screws from bottom edge of access panel. See Figure 7.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. See Figure 34.
- c. Remove two screws holding bottom tabs on front panel to dryer side panels. Swing bottom of front panel away from dryer far enough to disengage hold-down clips and locators from cabinet top.
- d. Disconnect wires from door switch.

NOTE: Refer to wiring diagram when rewiring switch.

- e. Depress tabs on top and bottom of catch and push out of front panel.



D288PE3B

Figure 34



WARNING

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

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

W001R1

40. DOOR HINGE (Figure 35)

- a. Open loading door and, while supporting door, remove four screws holding door assembly to hinges.
- b. Remove four screws holding hinges to front panel.

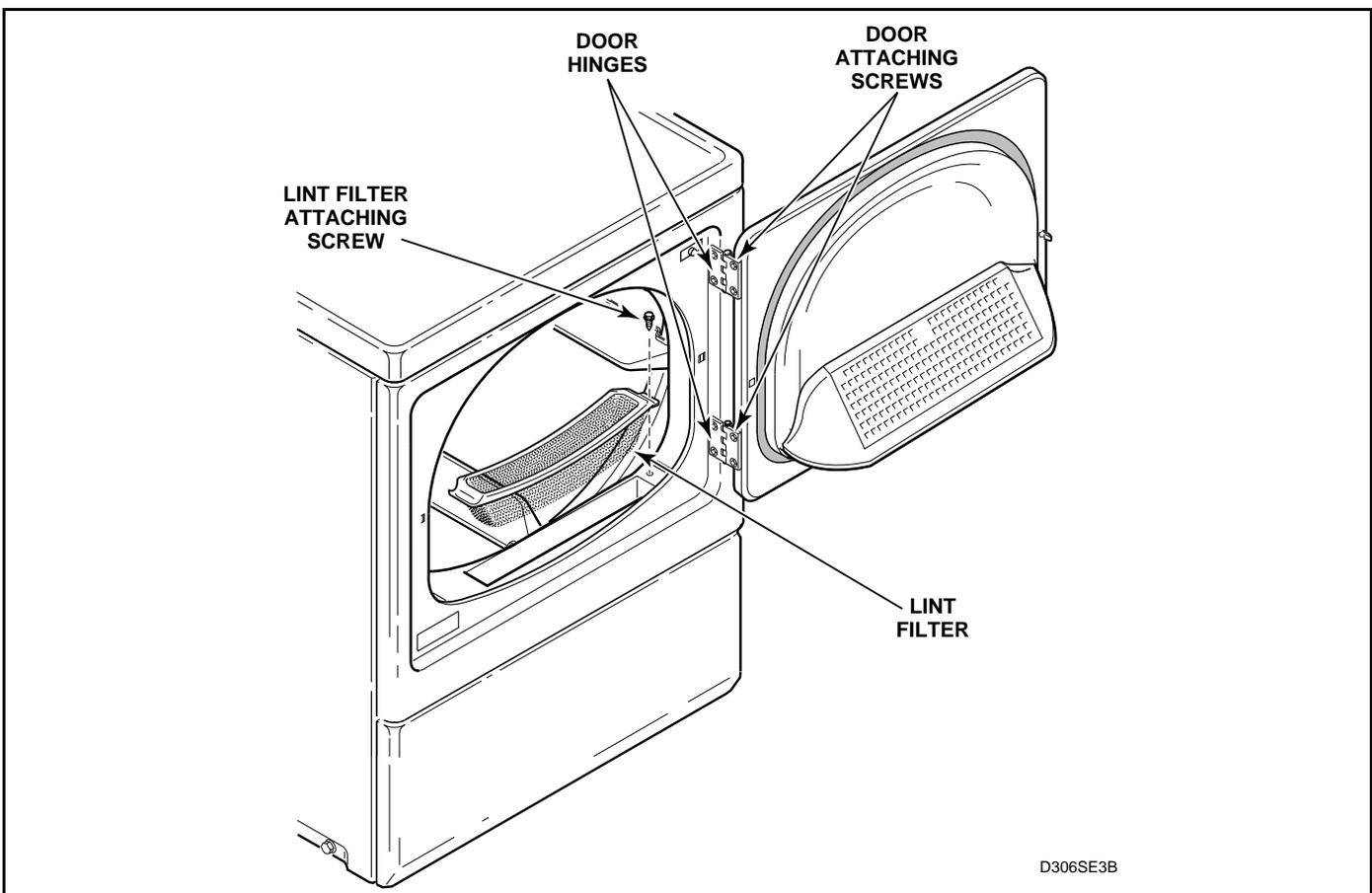
- c. Remove two screws holding bottom tabs on front panel to dryer side panels. Swing bottom edge of front panel away from dryer far enough to disengage hold-down clips and locators from cabinet top.
- d. Disconnect wires from door switch.

41. HOLD-DOWN CLIPS AND LOCATORS (Figure 34)

- a. While supporting the access panel, remove two screws from bottom edge of access panel. See Figure 7.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. See Figure 34.

NOTE: Refer to wiring diagram when rewiring switch.

- e. Compress hold-down clips and remove from top of access panel or front panel.
- f. Remove four screws holding four locators to access panel or front panel.



D306SE3B

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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42. BURNER SYSTEM COMPONENTS (Gas Models)

a. Complete Gas Valve Assembly.

- (1.) While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- (2.) Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.
- (3.) Close main gas shut-off valve, disconnect igniter wires at disconnect blocks, sensor wires from flame sensor terminals, and wires

from gas valve coils at the quick disconnect blocks. See *Figure 36*.

- (4.) Disconnect gas shut-off valve from gas valve at the union nut. See *Figure 36*.
- (5.) Remove three screws holding valve and mounting bracket to base. See *Figure 36*.
- (6.) Lift gas valve and mounting bracket from base. See *Figure 36*.

NOTE: The holding and booster coil, and secondary coil can be replaced individually.

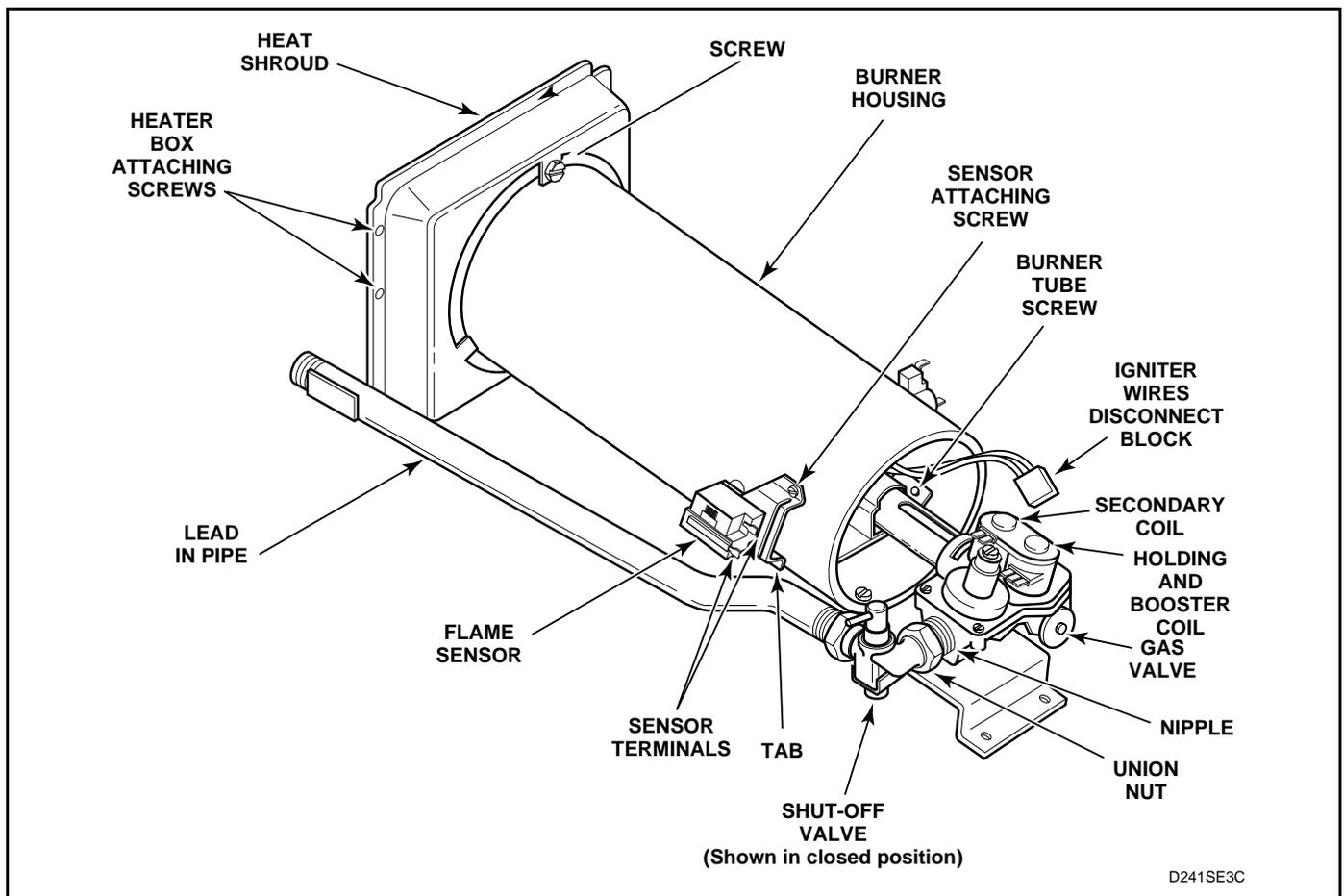


Figure 36

(60 HZ. MODEL SHOWN FOR REFERENCE)



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. See *Figure 37*.
- (2.) Gently move burner tube toward rear of dryer to disengage tab from slot on left side of burner housing. See *Figure 36*.
- (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. See *Figure 37*.

IMPORTANT: Use care while removing igniter to avoid damaging or breaking it. The igniter is very fragile.

IMPORTANT: Handle igniter by grasping the white ceramic portion of 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.

c. Ignition Control

- (1.) Remove access panel as indicated in *Paragraph 19*.
- (2.) Remove wire harness from ignition control.
- (3.) Remove screws holding ignition control to bracket. See *Figure 37*.
- (4.) Carefully remove ignition control. See *Figure 37*.

NOTE: For information on ignition control flashes, see *Paragraph 14*.

d. Flame Sensor

- (1.) Remove access panel as indicated in *Paragraph 19*.
- (2.) Remove wires from flame sensor terminals. See *Figure 36*.
- (3.) Remove screw holding flame sensor to burner housing. See *Figure 36*.

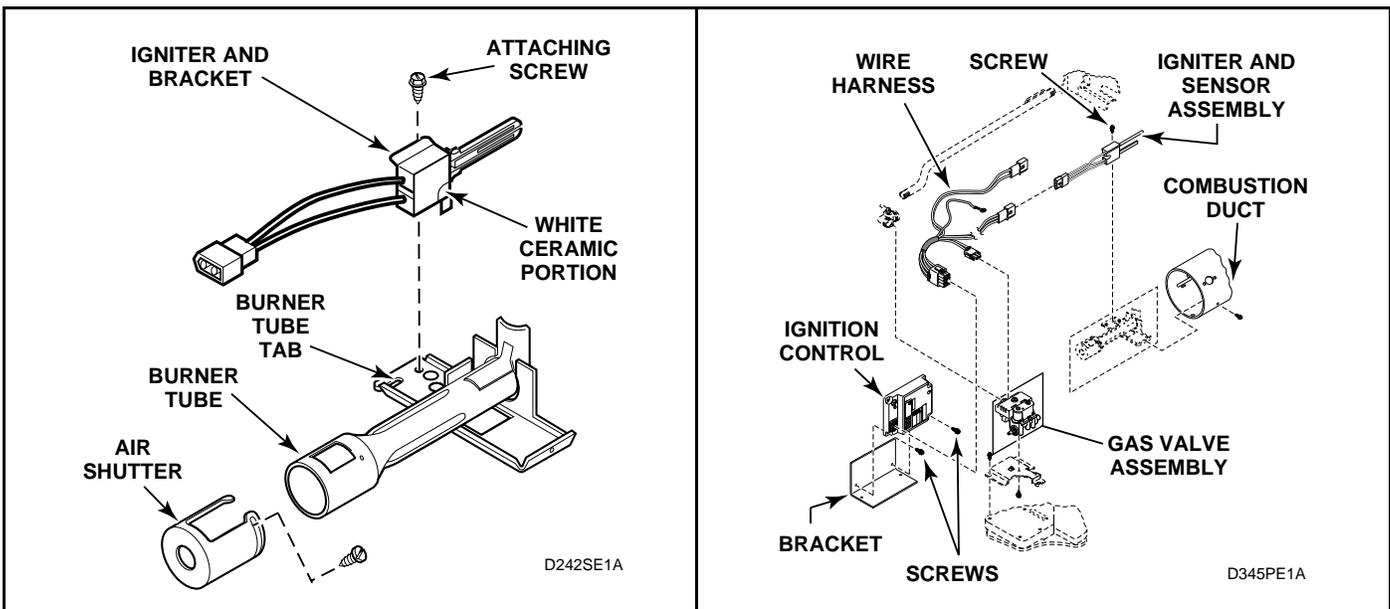


Figure 37



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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43. BURNER HOUSING AND HEAT SHROUD (Gas Models)

- a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.
- c. Disconnect igniter wires at disconnect blocks, sensor wires from flame sensor terminals, and wires from gas valve coils at the quick disconnect blocks. See *Figure 36*.
- d. Remove screw from right side of burner housing, while holding burner tube in place. See *Figure 38*.
- e. Gently move burner tube toward rear of dryer to disengage tab from slot on left side of burner housing. See *Figure 36*.
- 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. See *Figure 36*.
- i. Remove screw holding front of burner housing to dryer base and remove housing out through front of dryer. See *Figure 38*.
- j. Remove two screws holding heat shroud to heater box and take heat shroud out through front of dryer.

44. LIMIT THERMOSTAT

- a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.
- c. Disconnect wires and remove screws holding limit thermostat to burner housing (gas models) or element plate (electric models). See *Figure 38*.
- d. Repeat procedure on models with more than one thermostat.

45. HEATING ELEMENT (Electric Models)

- a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.
- c. Disconnect wires from element and plate. See *Figure 38*.
- d. Remove two screws holding element and plate to heater box and remove element and plate out through front of dryer. See *Figure 38*.

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

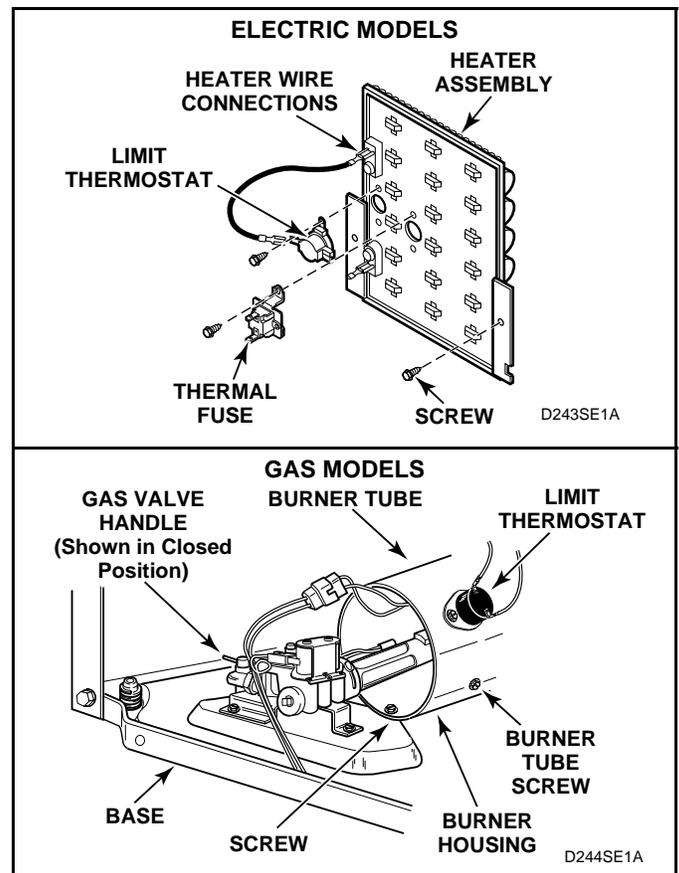


Figure 38



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

46. THERMISTOR OR THERMOSTAT

- a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.
- c. Disconnect wires and remove thermostat or thermistor attaching screws. See *Figure 39*.

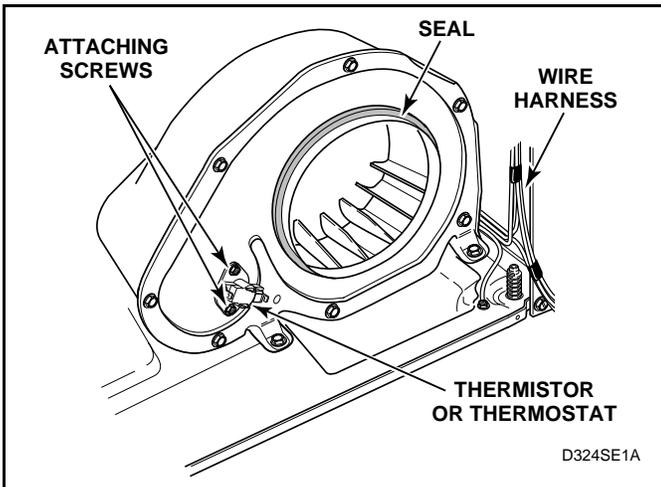


Figure 39

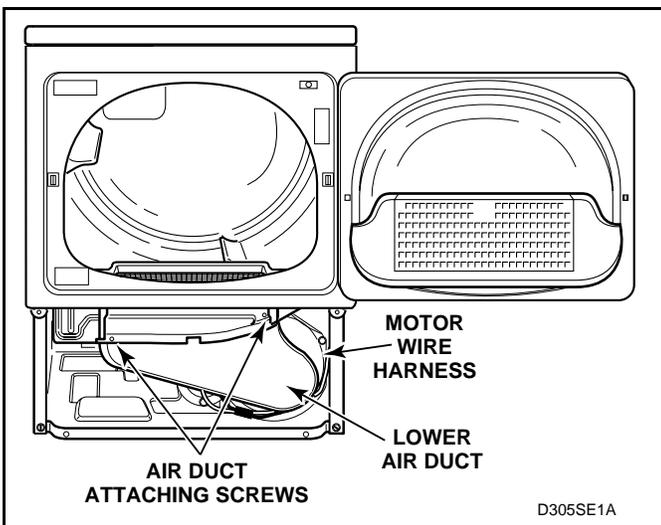


Figure 40

47. AIR DUCT

- a. Lower Air Duct
 - (1.) While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
 - (2.) Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.

IMPORTANT: When installing lint filter, be sure to install the filter with the words facing the front of the dryer. If filter is installed backwards, lint will accumulate in exhaust system, which can adversely affect dryer performance.

- (3.) Remove three screws holding lower duct to upper duct and remove lower air duct. See *Figure 40*.



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 seal on exhaust fan cover makes airtight seal on flange of duct. See *Figure 39*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can adversely affect dryer performance.

- b. Upper Air Duct
 - (1.) Remove access panel. See *Paragraph 19*.
 - (2.) Remove three screws holding upper air duct to lower air duct.
 - (3.) Remove three screws holding upper air duct to front bulkhead.
 - (4.) Carefully lift upper air duct out of dryer.



WARNING

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

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

W001R1

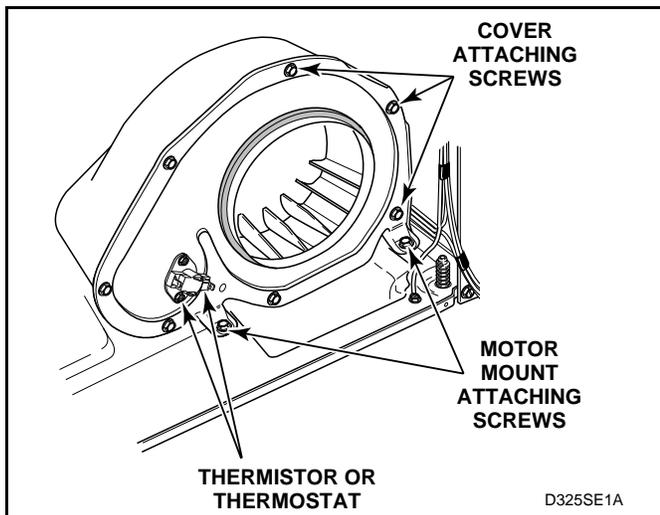


Figure 41

48. MOTOR AND EXHAUST ASSEMBLY

- While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.
- Open loading door, remove screw, and lift filter out of bulkhead.
- Remove screws holding lower air duct to upper air duct and remove lower air duct. See *Figure 40*.



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 seal on exhaust fan cover makes airtight seal on flange of duct. See *Figure 39*. If the seal is installed improperly, the airflow through the exhaust system will be restricted, which can adversely affect dryer performance.

- Disconnect wires from thermostat or thermistor, then disconnect ground wire screw.

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

- Remove cylinder belt from idler and motor pulleys. See *Figure 42*.
- Disengage motor wire harness terminal block from motor switch by pressing in on the movable locking tabs (located on each end of the terminal block) and pulling away from motor. See *Figures 45 and 46*.
- Remove two screws holding motor mounting bracket to dryer base. See *Figure 41*.

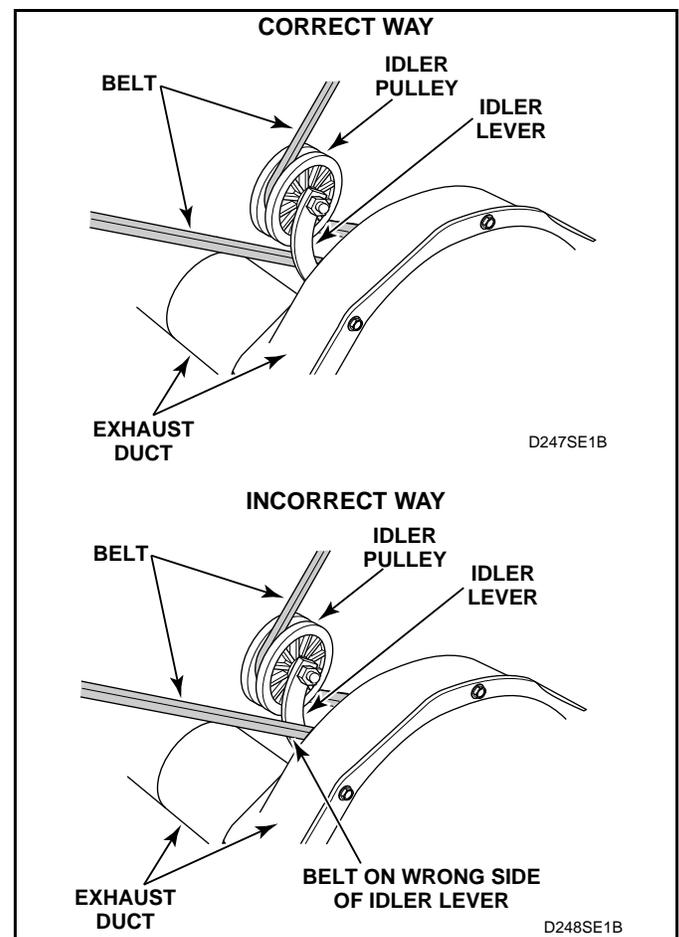


Figure 42

	<h2 style="margin: 0;">WARNING</h2>
<p>To reduce the risk of electric shock, fire, explosion, serious injury or death:</p> <ul style="list-style-type: none"> • 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. 	
<small>W001R1</small>	

	<h2 style="margin: 0;">WARNING</h2>
<p>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.</p>	

IMPORTANT: When reassembling, be sure seal on exhaust fan cover makes airtight seal on flange of duct. See *Figure 39*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can adversely affect dryer performance.

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). See *Figure 40*. 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. See *Figure 42*.

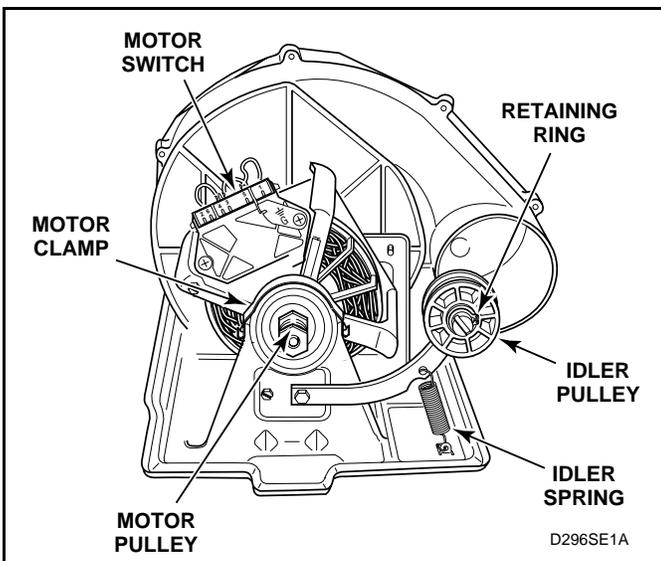


Figure 43

- i. Pull assembly forward and disengage the middle exhaust duct.

- j. Rotate the assembly 90° **counterclockwise** and slide out through front of dryer.
- k. **Motor pulley and idler pulley assemblies.**
See *Figure 43* for motor and idler pulley removal.

NOTE: When repairing or replacing the idler arm, it is important to make sure the idler arm moves freely. To ensure that the idler arm can move freely, proceed as follows:

- (1.) Unhook idler spring.
- (2.) Lift idler arm approximately 3 inches and release. If idler arm does not fall back to the base of the motor mount, then idler arm bolt is too tight.
- (3.) Loosen idler arm bolt 1/4 turn.
- (4.) Add grease between idler arm and motor mount.

1. Impeller and housing.

- (1.) Remove screws holding cover to housing. See *Figure 41*.
- (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. See *Figure 44*.

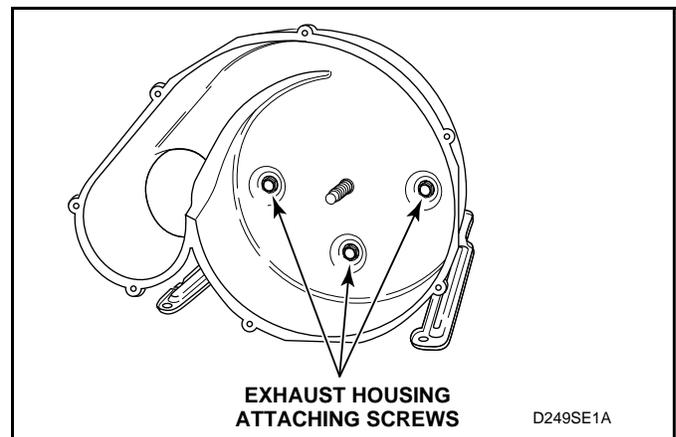


Figure 44



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

m. Motor.

- (1.) Disengage motor wire harness terminal block from the motor by pressing in on the movable locking tabs (located on each side of the terminal block) and pulling away from motor. See *Figure 45*.

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

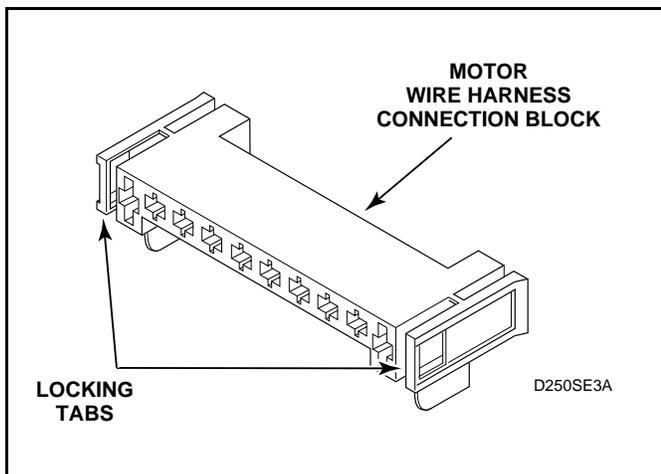


Figure 45

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

- (2.) Pry two motor clamps off motor mounting bracket with screwdriver. See *Figure 43*, then lift motor out of mounting bracket.

NOTE: When replacing motor, motor switch should be at 10 o'clock position. The positioning tab on the motor should be engaged with the anti-rotating notch in the motor bracket.

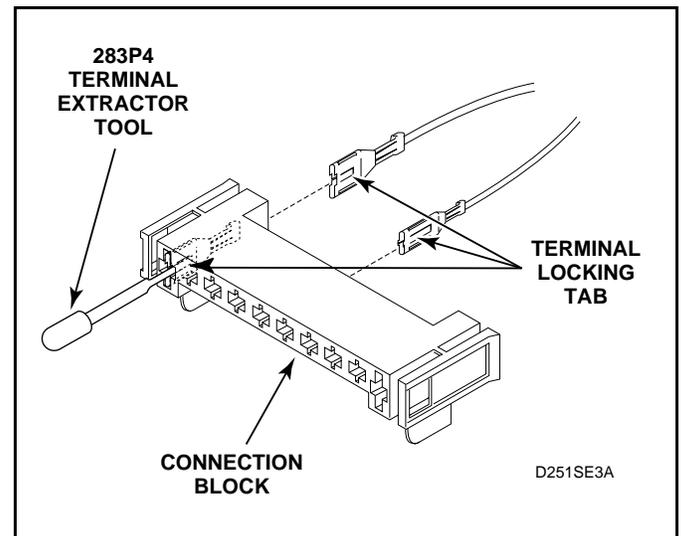


Figure 46

n. 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. See *Figure 46*.
- (2.) Apply tool pressure to compress the terminal locking tab on terminal and force the terminal and wire out back side of connection block. See *Figure 46*.

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.

	WARNING
<p>To reduce the risk of electric shock, fire, explosion, serious injury or death:</p> <ul style="list-style-type: none"> • 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	

49. FRONT BULKHEAD ASSEMBLY

- a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.
- c. Remove two screws holding bottom tabs on front panel to dryer side panels. See *Figure 34*. Swing bottom of front panel away from dryer far enough to disengage hold-down clips and locators from cabinet top.
- d. Disconnect wires from door switch. See *Figure 33*.

NOTE: Refer to wiring diagram when rewiring switch.

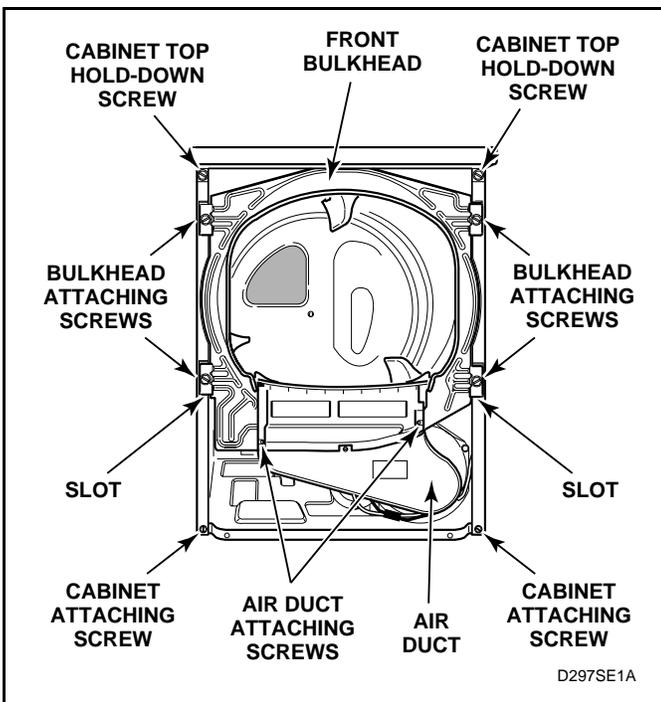


Figure 47

	WARNING
<p>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.</p>	

- e. Disengage belt from motor and idler pulley. See *Figure 42*.
- f. Remove four screws holding bulkhead to front flange of cabinet and lift complete bulkhead assembly out of slots in cabinet. See *Figure 47*.
- g. Remove upper and lower air duct assembly.

IMPORTANT: When reassembling, be sure seal on exhaust fan cover makes airtight seal on flange of duct. See *Figure 39*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can adversely affect dryer performance.

- h. Cylinder Glides and Glide Bracket. See *Figure 48*.
 - (1.) Unsnap glide from each glide bracket.
 - (2.) Drill out rivets holding glide bracket to front bulkhead.

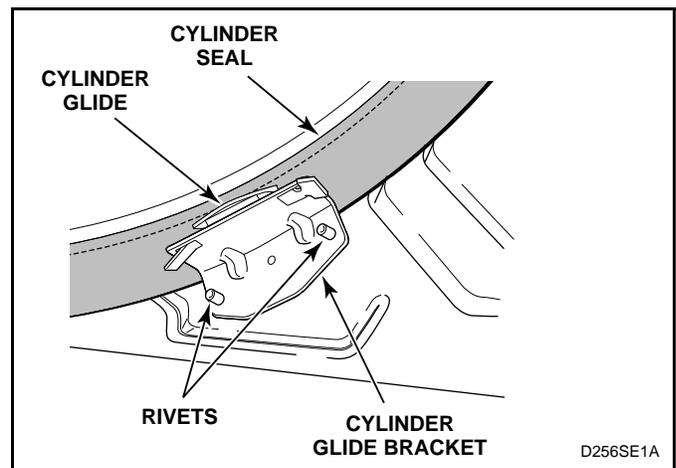


Figure 48



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

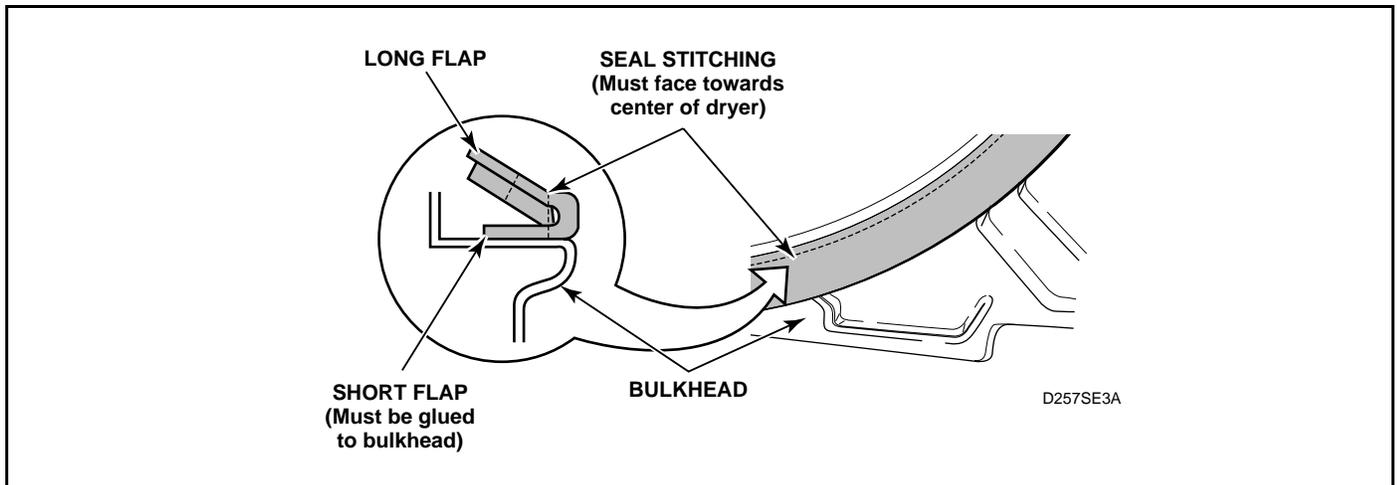


Figure 49

i. Front Cylinder Seal (*Figure 49*)

When installing the cylinder seal, it is important to remember these two steps:

- (1.) The stitching on the seal must face towards center of dryer.
- (2.) The short flap must be glued to the bulkhead and the long flap left loose.

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.



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

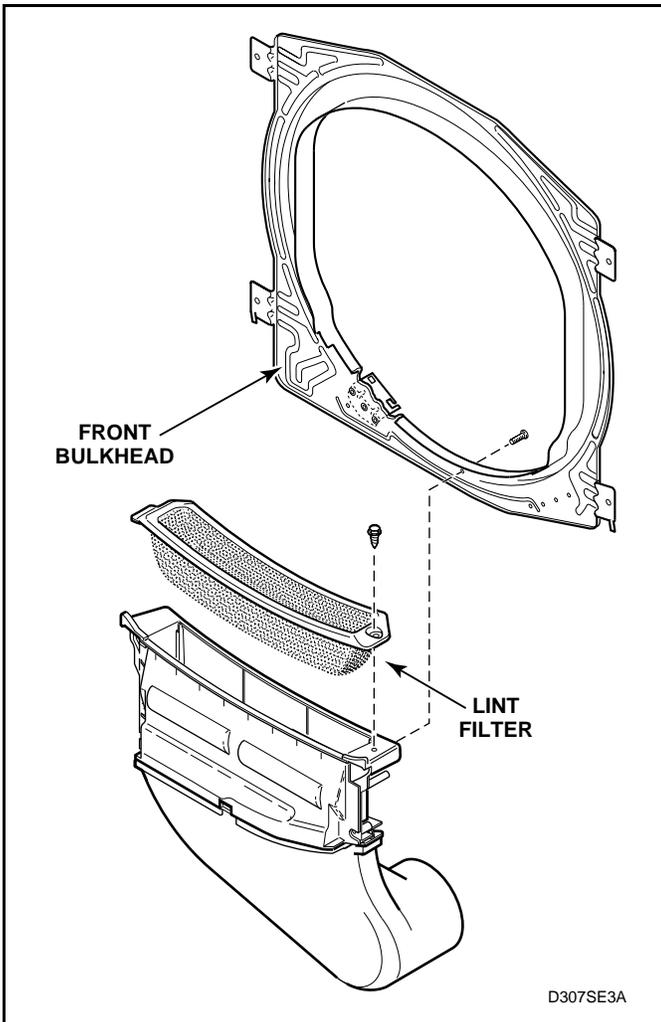


Figure 50

50. CYLINDER BELT

- a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.

- c. Remove two screws holding bottom tabs on front panel to dryer side panels. See *Figure 34*. Swing bottom of front panel away from dryer far enough to disengage hold-down clips and locators from cabinet top.
- d. Disconnect wires from door switch. See *Figure 33*.

NOTE: Refer to wiring diagram when rewiring switch.

- e. Disengage belt from motor and idler pulleys. See *Figure 42*.
- f. Remove four screws holding bulkhead to front flange of cabinet. Then, lift complete bulkhead assembly out of slots in cabinet. See *Figure 47*.



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 seal on exhaust fan cover makes airtight seal on flange of duct. See *Figure 39*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can adversely affect dryer performance.

- g. While supporting cylinder, carefully remove belt from cylinder.

NOTE: When reinstalling belt, be sure belt is properly installed on motor and idler pulleys, and is on the correct side of the idler lever. See *Figure 42*. Belt must be positioned around center section of cylinder approximately three inches ahead of rear rib on cylinder. See *Figure 51*. 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

- While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.
- Remove two screws holding bottom tabs on front panel to dryer side panels. See *Figure 34*. Swing bottom of front panel away from dryer far enough to disengage hold-down clips and locators from cabinet top.
- Disconnect wires from door switch. See *Figure 33*.

NOTE: Refer to wiring diagram when rewiring switch.

- Disengage belt from motor and idler pulleys. See *Figure 42*.

NOTE: When reinstalling belt, be sure belt is properly installed on motor and idler pulleys, and is on the correct side of the idler lever. See *Figure 42*. Belt must be positioned around center section of cylinder approximately three inches ahead of rear rib on cylinder, with the ribbed surface of the belt against the cylinder. See *Figure 51*. After installing belt, manually rotate cylinder counterclockwise to check that belt is properly aligned.

- Remove four screws holding bulkhead to front flange of cabinet. Then lift complete bulkhead assembly out of slots in cabinet. See *Figure 47*.

IMPORTANT: When reassembling, be sure seal on exhaust fan cover makes airtight seal on flange of duct. See *Figure 39*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can adversely affect dryer performance.

- Remove two cabinet top hold-down screws. See *Figure 47*.
- Carefully remove cylinder out through front of dryer.
- Baffles – Remove screws holding baffles to cylinder. See *Figure 51*.

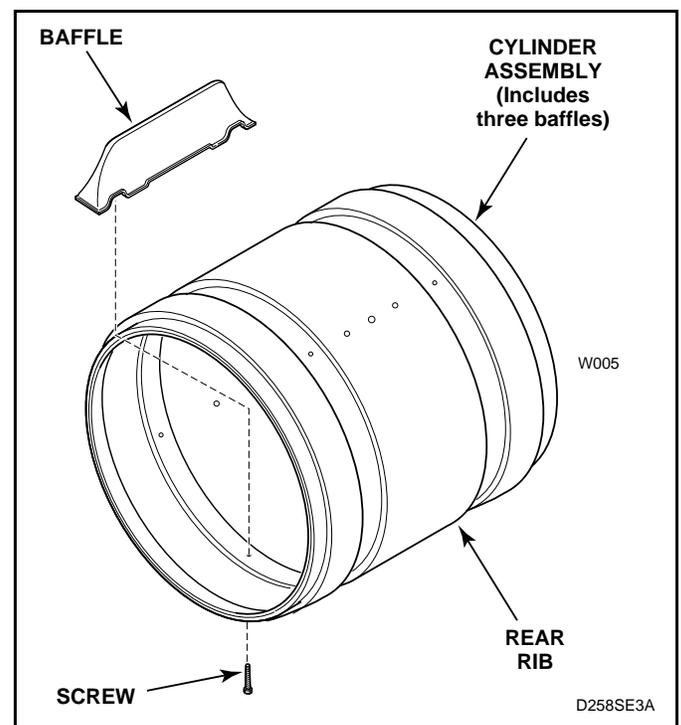


Figure 51



WARNING

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

W005

	WARNING
<p>To reduce the risk of electric shock, fire, explosion, serious injury or death:</p> <ul style="list-style-type: none"> • 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 access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.
- c. Remove two screws holding bottom tabs on front panel to dryer side panels. See *Figure 34*. Swing bottom of front panel away from dryer far enough to disengage hold-down clips and locators from cabinet top.
- d. Disconnect wires from door switch. See *Figure 33*.

- h. Remove four screws holding bulkhead to front flange of cabinet. Then, lift complete bulkhead assembly out of slots in cabinet. See *Figure 47*.

NOTE: Refer to wiring diagram when rewiring switch.

- e. Remove two cabinet top hold-down screws. See *Figure 47*.
- f. Lift cabinet top to a vertical position by hinging it on the rear hold-down brackets.

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

- g. Disengage belt from motor and idler pulleys. See *Figure 42*.

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. See *Figure 42*. Belt must be positioned around center section of cylinder approximately three inches ahead of rear rib on cylinder with the ribbed surface of the belt against cylinder. See *Figure 51*. After installing belt, manually rotate cylinder counterclockwise to check that belt is properly aligned.

	WARNING
<p>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.</p>	
W005	

IMPORTANT: When reassembling, be sure seal on exhaust fan cover makes airtight seal on flange of duct. See *Figure 39*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can adversely affect dryer performance.

- i. Manually rotate cylinder until one of the baffles is at the 6 o'clock position and carefully remove cylinder out through front of dryer.
- j. Pull rear cylinder seal from flanged edge of bulkhead. See *Figure 52*.

NOTE: When installing the cylinder seal, it is important to remember these two important steps:

- (1) The stitching on the seal must face towards the dryer center. See *Figure 49*.
- (2) The short flap, shown in *Figure 49*, must be glued to the bulkhead and the long flap left loose.

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

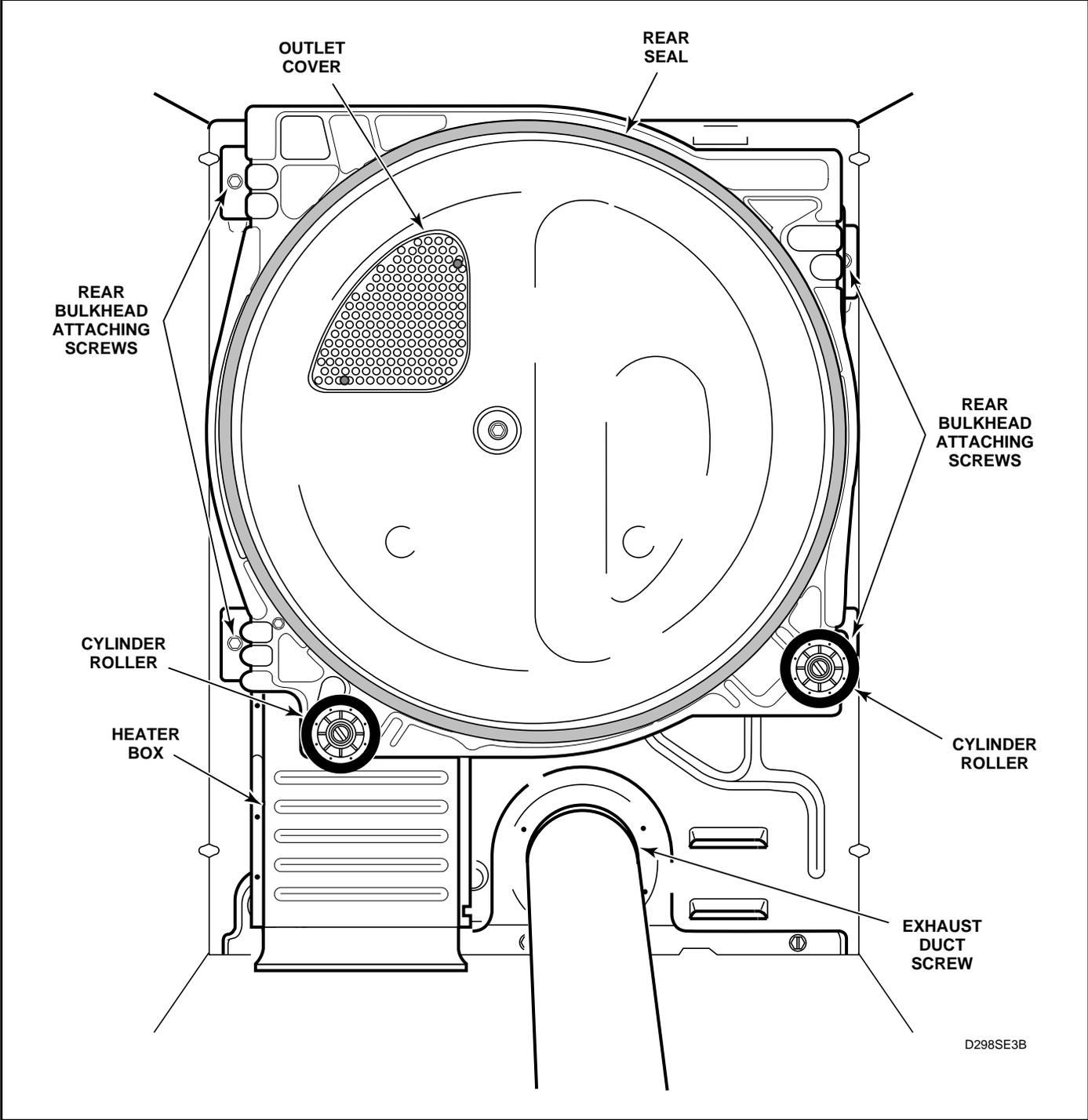


Figure 52



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

53. CYLINDER ROLLERS

- While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.
- Remove two screws holding bottom tabs on front panel to dryer side panels. See *Figure 34*. Swing bottom of front panel away from dryer far enough to disengage hold-down clips and locators from cabinet top.
- Disconnect wires from door switch. See *Figure 33*.

NOTE: Refer to wiring diagram when rewiring switch.

- Disengage belt from motor and idler pulleys. See *Figure 42*.
- Remove four screws holding bulkhead to front flange of cabinet. Then lift complete bulkhead assembly out of slots in cabinet. See *Figure 47*.



WARNING

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

W005

IMPORTANT: When reassembling, be sure seal on exhaust fan cover makes airtight seal on flange of duct. See *Figure 39*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can adversely affect dryer performance.

- Pull cylinder forward allowing rear of cylinder to drop down exposing rollers. See *Figure 53*.
- See *Figure 53* for removal of roller from bulkhead.

NOTE: When replacing the cylinder roller, it is important that cylinder roller is installed with the flanged surface of the roller bearing facing towards the front of the dryer.

54. OUTLET COVER

- Open door and remove two screws holding outlet cover to rear bulkhead. See *Figure 52*.

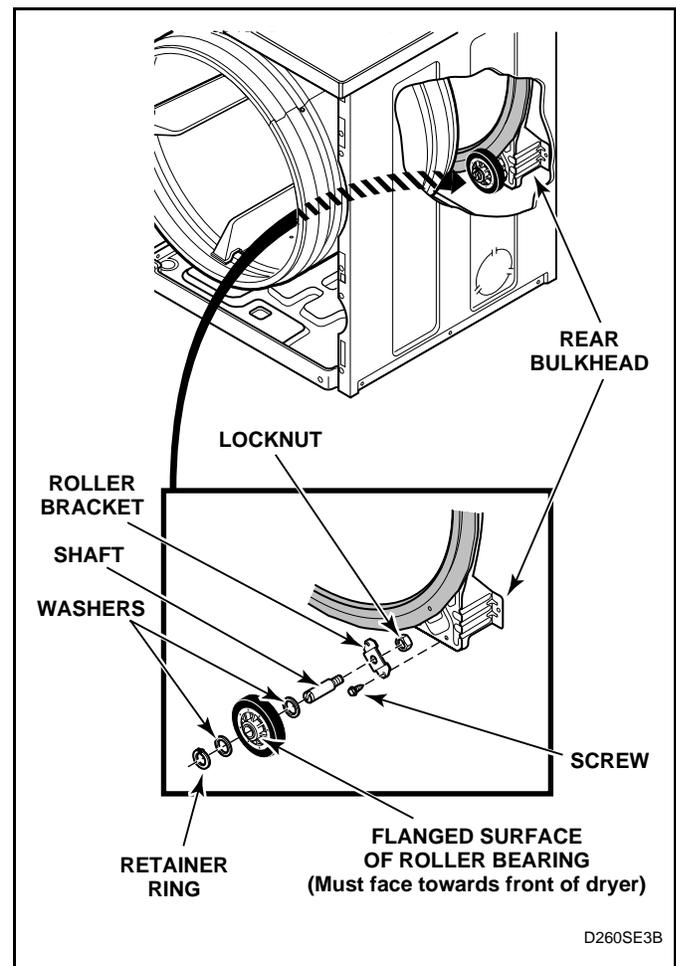


Figure 53

55. REAR BULKHEAD AND HEATER BOX

- While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.



WARNING

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

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

W001R1

- c. Remove two screws from bottom tabs on front panel. See *Figure 34*. Swing bottom of front panel away from dryer far enough to disengage hold-down clips and locators from cabinet top.
- d. Disconnect wires from door switch. See *Figure 33*.

NOTE: Refer to wiring diagram when rewiring switch.

- e. Disengage belt from motor and idler pulleys. See *Figure 42*.

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. See *Figure 42*. Belt must be positioned around cylinder approximately three inches ahead of rear rib on cylinder with the ribbed surface of the belt against the cylinder. See *Figure 51*. 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. Then lift complete bulkhead assembly out of slots in cabinet. See *Figure 47*.



WARNING

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

W005

IMPORTANT: When reassembling, be sure seal on exhaust fan cover makes airtight seal on flange of duct. See *Figure 39*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can adversely affect dryer performance.

- g. Remove two cabinet top hold-down screws. See *Figure 26*.
- h. Carefully remove cylinder out through front of dryer.
- i. **Gas Models:**
 - (1.) Disconnect igniter wires at disconnect blocks, sensor wires from flame sensor terminals, and wires from gas valve coils at the quick disconnect blocks. See *Figure 36*.
 - (2.) Remove burner tube attaching screw from right side of burner housing, while holding burner tube in place. See *Figure 38*.
 - (3.) Gently move burner tube toward rear of dryer to disengage tab from slot on left side of burner housing. See *Figure 37*.
 - (4.) Carefully rotate burner tube and igniter **counterclockwise** so tab is at the 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. See *Figure 37*.

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

- (6.) Remove screw holding burner housing to heat shroud. See *Figure 36*.
- (7.) Remove screw holding front of burner housing to dryer base and remove housing out through front of dryer. See *Figure 38*.
- (8.) Remove two screws holding shroud to heater box, and remove shroud out through front of dryer. See *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.

W001R1

j. **Electric Models:**

- (1.) Remove two screws holding element and plate to heater box, then pull element down and away from heater box. See *Figure 38*.
- (2.) Remove all wires from terminal block. (Refer to appropriate wiring diagram when rewiring terminal block.)
- (3.) Remove screw holding terminal block to rear bulkhead. See *Figure 55*.

- (4.) While supporting bulkhead, remove the four screws holding rear bulkhead to dryer cabinet, then lift complete assembly out of dryer. See *Figure 52*.
- (5.) Remove heater box from rear bulkhead. See *Figure 54*.

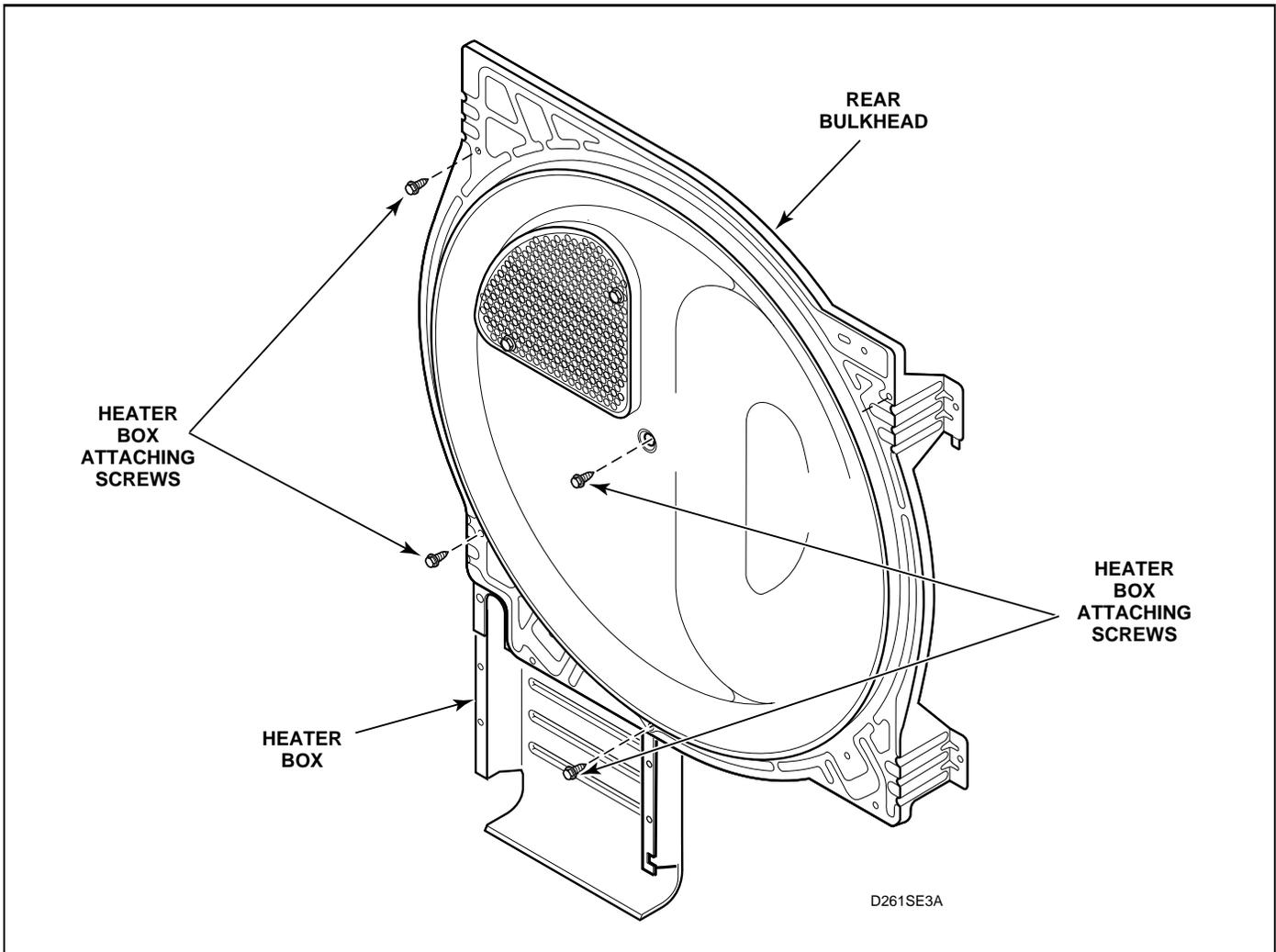


Figure 54



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

56. TERMINAL BLOCK OR POWER CORD

a. Terminal Block:

- (1.) While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- (2.) Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.
- (3.) Remove two screws holding bottom tabs on front panel to dryer side panels. See *Figure 34*. Swing bottom of front panel away from dryer far enough to disengage hold-down clips and locators from cabinet top.
- (4.) Disconnect wires from door switch. See *Figure 33*.

NOTE: Refer to wiring diagram when rewiring switch.

- (5.) Remove two cabinet top hold-down screws. See *Figure 26*.
- (6.) Lift cabinet top to a vertical position by hinging it on the rear hold-down brackets. See *Figure 27*.

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

- (7.) Remove all wires from terminal block.

NOTE: Refer to wiring diagram when rewiring terminal block.

- (8.) Remove screw holding terminal block to rear bulkhead. See *Figure 55*.

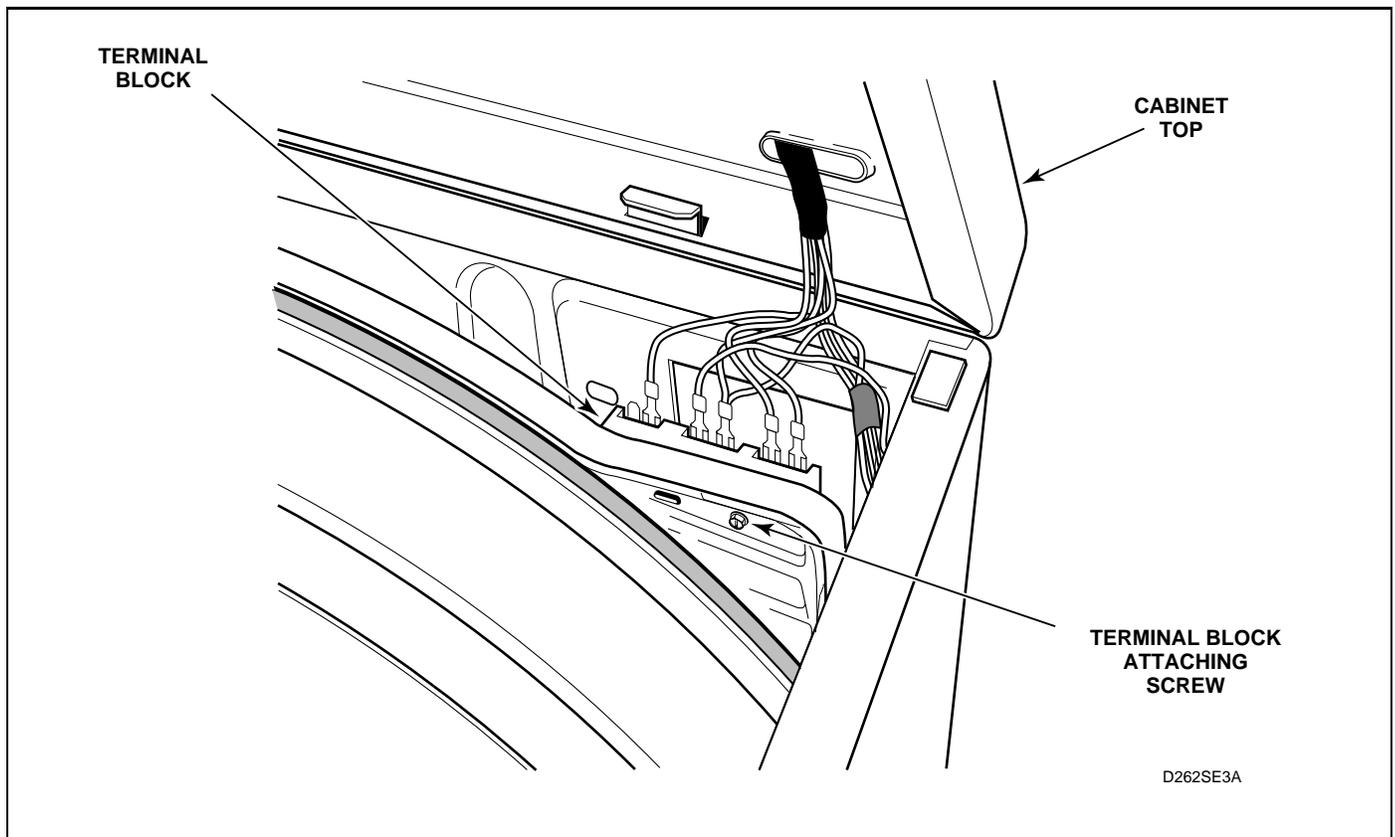


Figure 55



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

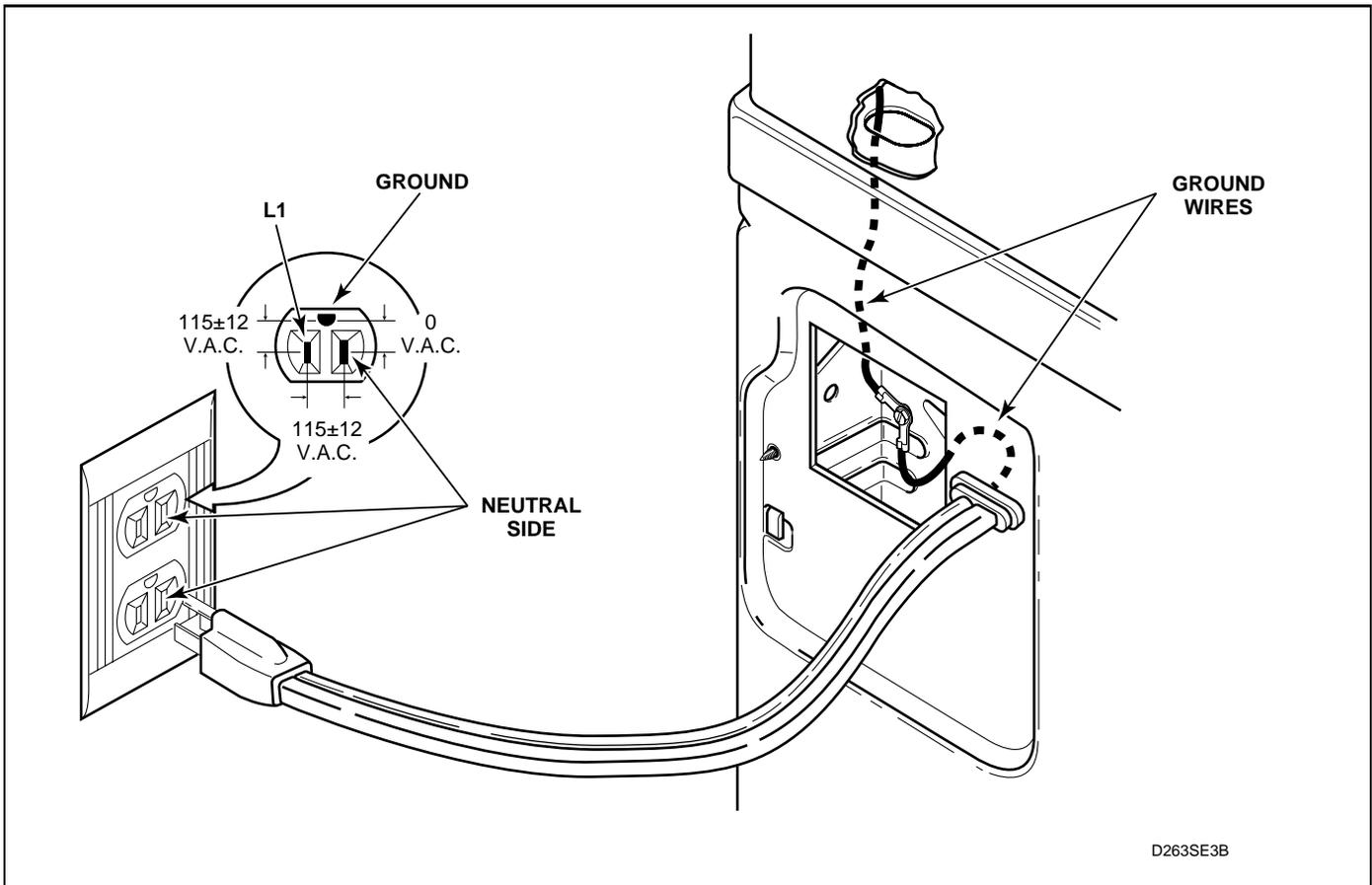
b. Power Cord:

- (1.) Remove access plate on rear of cabinet.
- (2.) Remove strain relief.
- (3.) Remove screw holding power cord ground wire to rear bulkhead. See *Figure 56*.

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

NOTE: A qualified electrician should check the polarity of the wall receptacle. If a voltage reading is measured other than that illustrated, the qualified electrician should correct the problem.

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



D263SE3B

Figure 56
(120 VOLT, 60 HERTZ SHOWN)



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. See *Figure 8*.
- b. Disconnect all wires from control panel components and remove ground clip and screw holding ground wire to cabinet top and control panel. See *Figure 4*.

NOTE: Refer to appropriate wiring diagram when rewiring control panel components.

c. Metered models:

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

- (3.) Disconnect accumulator wires at connector. See *Figure 10*.

NOTE: Refer to wiring diagram when reconnecting wires.

- (4.) Remove hex head ground screw holding green ground wire to accumulator mounting bracket. See *Figure 10*.
 - (5.) Remove two hex head cap screws (inside meter case) holding meter case to cabinet top. See *Figure 10*.
- #### d. Nonmetered models:
- (1.) Remove four screws holding timer and plate to timer case. See *Figure 9*.
 - (2.) Pull timer and plate out of timer case as far as wires will permit. See *Figure 9*.
 - (3.) Disconnect wires from timer. See *Figure 9*.

NOTE: Refer to wiring diagram when rewiring timer.

- e. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.

- f. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.
- g. Remove two screws holding bottom tabs on front panel to dryer cabinet. See *Figure 24*. Swing bottom of front panel away from dryer to disengage hold-down clips and locators from cabinet top.
- h. Disconnect wires from door switch. See *Figure 25*.

NOTE: Refer to wiring diagram when rewiring switch.

- i. Remove two cabinet top hold-down screws. See *Figure 26*.
- j. Lift cabinet top to a vertical position by hinging it on the rear hold-down brackets.

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

- k. Carefully withdraw wire harness through hole in cabinet top and lift the cabinet top off the rear hold-down brackets and set aside.
- l. Disengage belt from motor and idler pulleys. See *Figure 42*.

NOTE: When reinstalling belt, be sure belt is properly installed on motor and idler pulleys and is on the correct side of the idler lever. See *Figure 42*. Belt must be positioned around center section of cylinder approximately three inches ahead of rear rib on cylinder with the ribbed surface of the belt against the cylinder. See *Figure 51*. After installing belt, manually rotate cylinder counterclockwise to check that belt is properly aligned.

- m. Remove four screws holding bulkhead to front flange of cabinet and lift complete bulkhead assembly out of slots in cabinet. See *Figure 47*.

	WARNING
<p>To reduce the risk of electric shock, fire, explosion, serious injury or death:</p> <ul style="list-style-type: none"> • 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. See *Figure 48*.

	WARNING
<p>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.</p>	
W005	

IMPORTANT: During reinstallation of front bulkhead, be sure that air duct is properly positioned with flange inside the seal on exhaust fan cover. See *Figure 39*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can cause fire and dryer malfunction.

- n. Carefully remove cylinder out through front of dryer.
- o. **Gas Models:**
 - (1.) Disconnect igniter wires at disconnect blocks, sensor wires from flame sensor terminals, and wires from gas valve coils at the quick disconnect blocks. See *Figure 36*.
 - (2.) Remove screw from right side of burner housing holding burner tube in place. See *Figure 36*.
 - (3.) Gently move burner tube toward rear of dryer to disengage tab from slot on left side of burner housing. See *Figure 36*.
 - (4.) Carefully rotate burner tube and igniter **counterclockwise** so tab is at the 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. See *Figure 36*.

- (7.) Remove screw holding front of burner housing to dryer base and remove housing out through front of dryer. See *Figure 38*.
- (8.) Remove four screws holding shroud to heater box. Remove shroud out through front of dryer. See *Figure 36*.
- p. **Electric Models:**
 - (1.) Remove two screws holding element and plate to heater box, then pull element down and away from heater box. See *Figure 38*.
 - (2.) While supporting bulkhead, remove screws holding bulkhead to rear of dryer cabinet, and remove assembly out of dryer. See *Figure 52*.
 - (3.) Remove screw holding exhaust duct to dryer cabinet and pull duct out of cabinet. See *Figure 52*.
 - (4.) Remove two screws from each rear cabinet top hold-down bracket. See *Figure 55*.
 - (5.) Remove screw holding terminal block access plate to rear of dryer cabinet and remove plate.
 - (6.) Remove wire harness clips.
 - (7.) Remove locators and screws.
 - (8.) Remove two screws from front edge at each side of cabinet. Then remove remaining screws from around bottom of cabinet and lift cabinet off base. See *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

58. BASE

- a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.
- c. Remove two screws holding bottom tabs on front panel to dryer side panels. See *Figure 34*. Swing bottom of front panel away from dryer far enough to disengage hold-down clips and locators from cabinet top.
- d. Disconnect wires from door switch. See *Figure 33*.

NOTE: Refer to wiring diagram when rewiring switch.



WARNING

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

W005

e. Gas Models:

- (1.) Disconnect igniter wires at disconnect blocks, sensor wires from flame sensor terminals, and wires from gas valve coils at the quick disconnect blocks. See *Figure 36*.
- (2.) Close main gas shut-off valve.
- (3.) Disconnect gas line to dryer.
- (4.) Remove three screws holding gas valve bracket to base and remove valve with attached lead-in pipe. See *Figure 36*.
- (5.) Remove screw holding burner tube in place from right side of burner housing. See *Figure 36*.
- (6.) Gently move burner tube toward rear of dryer to disengage tab from slot on left side of burner housing. See *Figure 36*.
- (7.) Carefully rotate burner tube and igniter counterclockwise so tab is at the 8 o'clock position, and CAREFULLY remove burner

tube and igniter assembly out through front of dryer.

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

- (8.) Remove screw holding front of burner housing to dryer base. See *Figure 38*.
 - (9.) Remove four screws holding shroud to heater box and remove shroud and burner housing out through front of dryer. See *Figure 36*.
- f. **Electric Models:**
- (1.) Remove two screws holding element and plate to heater box, then pull element down and away from heater box. See *Figure 38*.
 - (2.) Disconnect wire harness from limit thermostat, thermal fuse and/or heating element. See *Figure 38*.
- g. Open loading door and remove lint filter screw and lint filter. See *Figure 29*.
 - h. Remove screws holding air duct to front bulkhead and remove air duct. See *Figure 40*.

IMPORTANT: When reassembling, be sure seal on exhaust fan cover makes airtight seal on flange of duct. See *Figure 39*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can adversely affect dryer performance.

- i. Disconnect wires from thermostat, and remove ground screw. See *Figure 41*.

NOTE: Refer to wiring diagram when rewiring thermostat.

- j. Remove cylinder belt from idler and motor pulleys. See *Figure 42*.
- k. Remove two screws holding motor mounting bracket to dryer base. Then pull complete assembly forward to disengage middle exhaust duct.
- l. Rotate the assembly **counterclockwise** 90° and slide out front of machine.
- m. Disconnect wires from motor switch and remove harness clip from motor bracket. See *Figure 43*. Then, set motor and exhaust assembly off to the side.



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. Remove screw holding bracket on exhaust duct to rear of cabinet and pull duct out of cabinet. See *Figure 52*.

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). See *Figure 39*. 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. See *Figure 42*.

- o. Remove two screws from front edge at each side of cabinet. See *Figure 47*. 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. See *Figure 57*.

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 (Figure 57)

NOTE: Dryer should be installed on a solid and level floor.

- a. Place dryer in position, adjusting 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.

- 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.



WARNING

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

W005

IMPORTANT: 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.

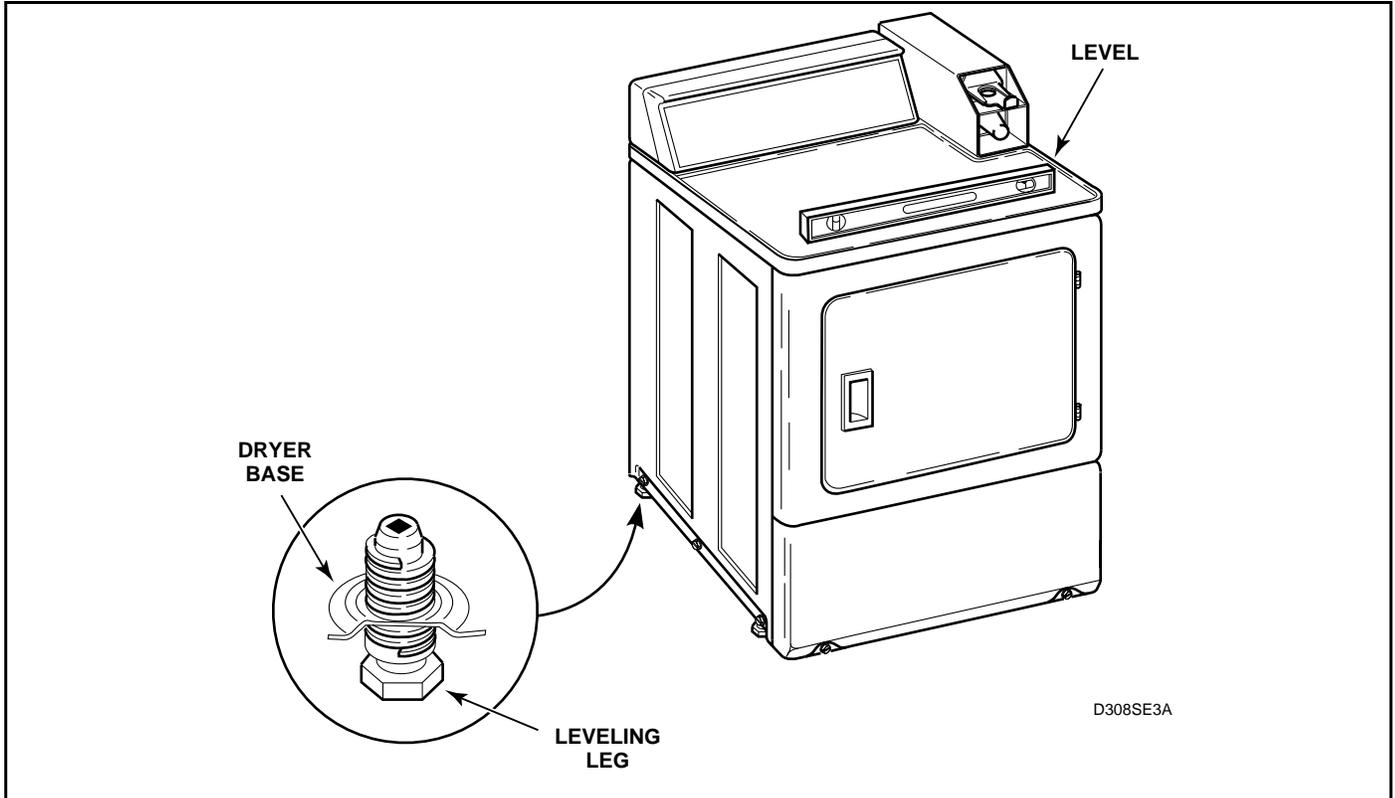


Figure 57



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 access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.
- c. Set timer at “60” minutes (nonmetered) or add coins (metered).
- 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.

- f. Turn the air shutter to the left to get a luminous yellow tipped flame, then turn it back slowly to the right to obtain a steady blue flame.
- g. After proper flame is obtained, tighten air shutter lockscrew firmly. See *Figure 58*.
- h. Reinstall lower front access panel and screws.



WARNING

To reduce the risk of fire or serious injury, the 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.

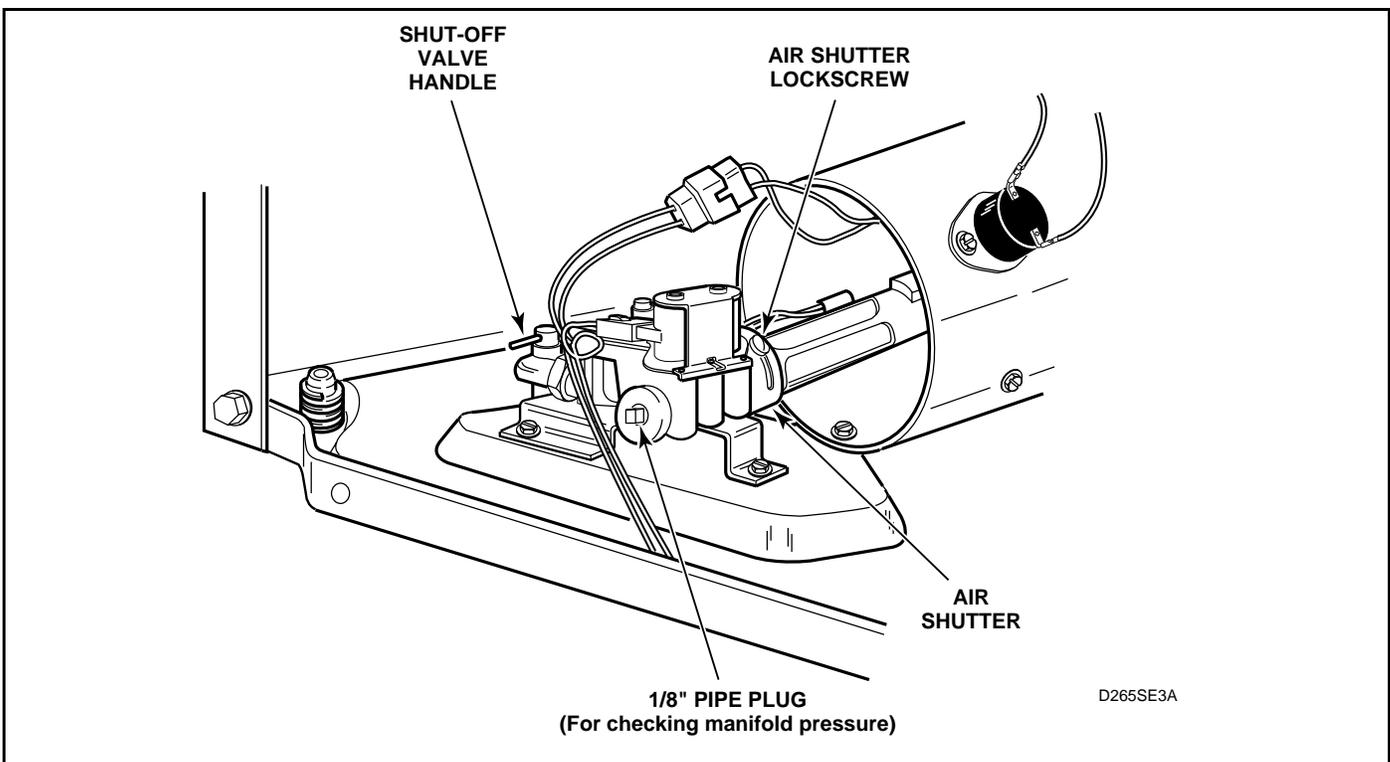


Figure 58

Section 7

Test Procedures



WARNING

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

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

W001R1

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

61. DRIVE MOTOR (Figure 59)

- Remove motor and exhaust assembly. See Paragraph 48.
- Disconnect motor wire harness at motor disconnect block.

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

NOTE: Drive Motor Resistance
120 Volt 2,460 – 3,100 Ohms

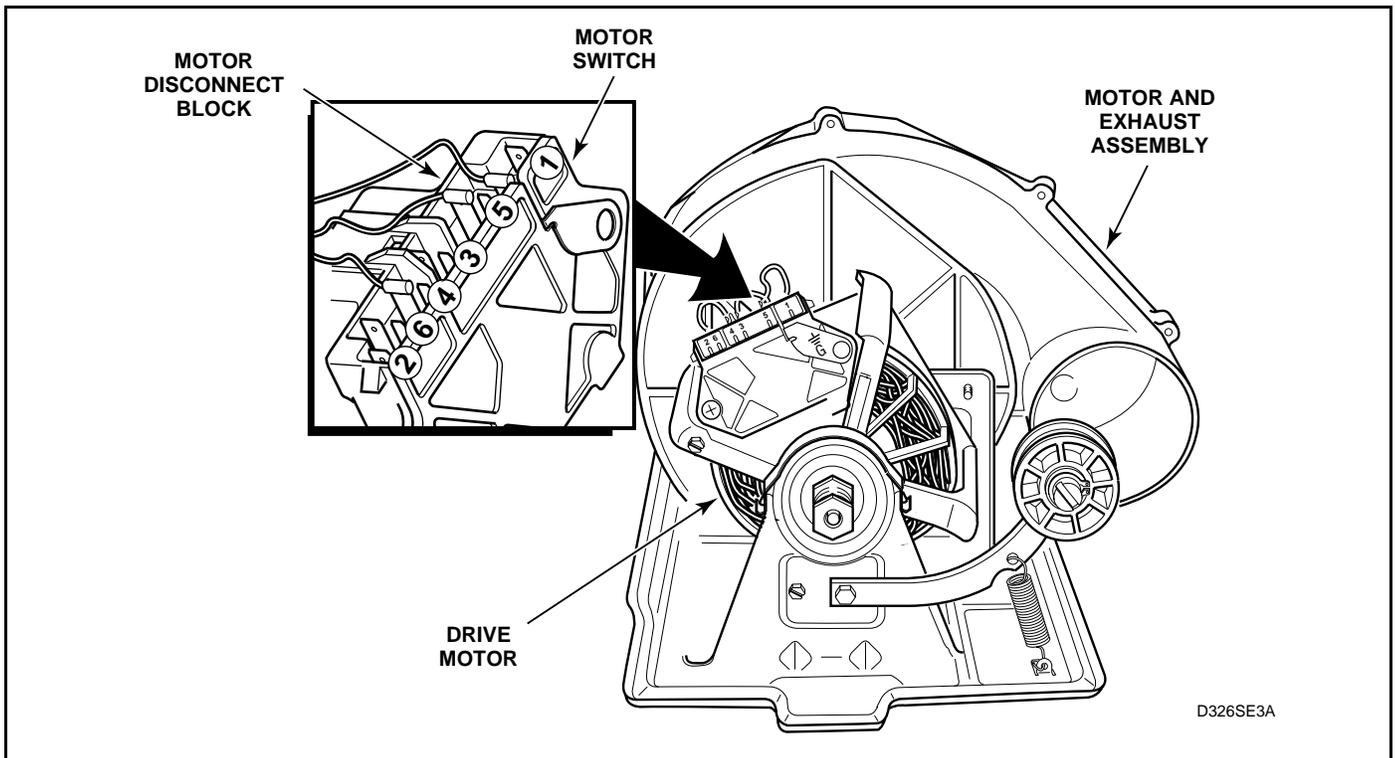
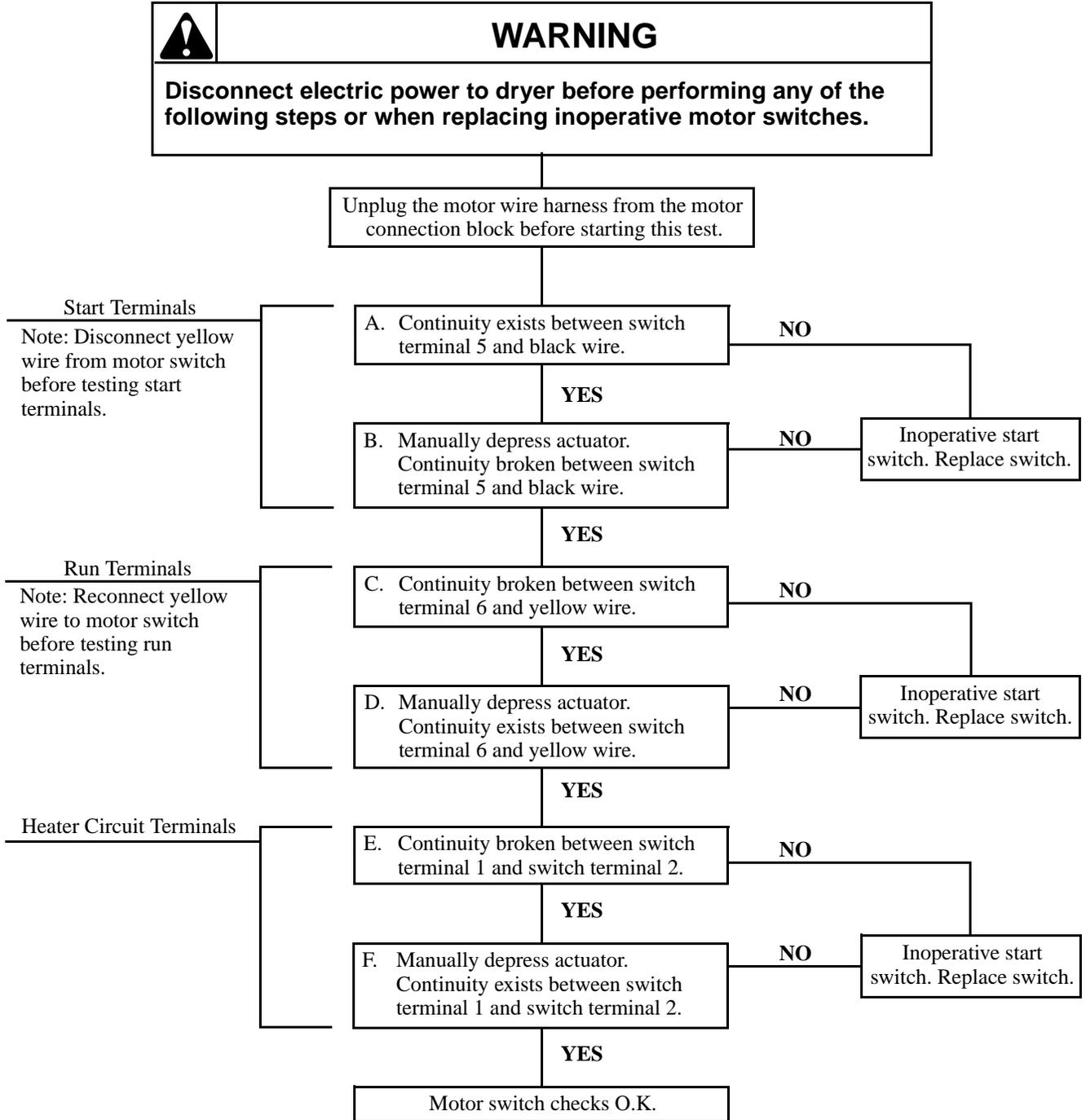


Figure 59

	<h2 style="margin: 0;">WARNING</h2>
<p>To reduce the risk of electric shock, fire, explosion, serious injury or death:</p> <ul style="list-style-type: none"> • Disconnect electric power to the dryer(s) before servicing. • Close gas shut-off valve to gas dryer(s) before servicing. • Never start the dryer(s) with any guards/panels removed. • Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly grounded. 	
W001R1	

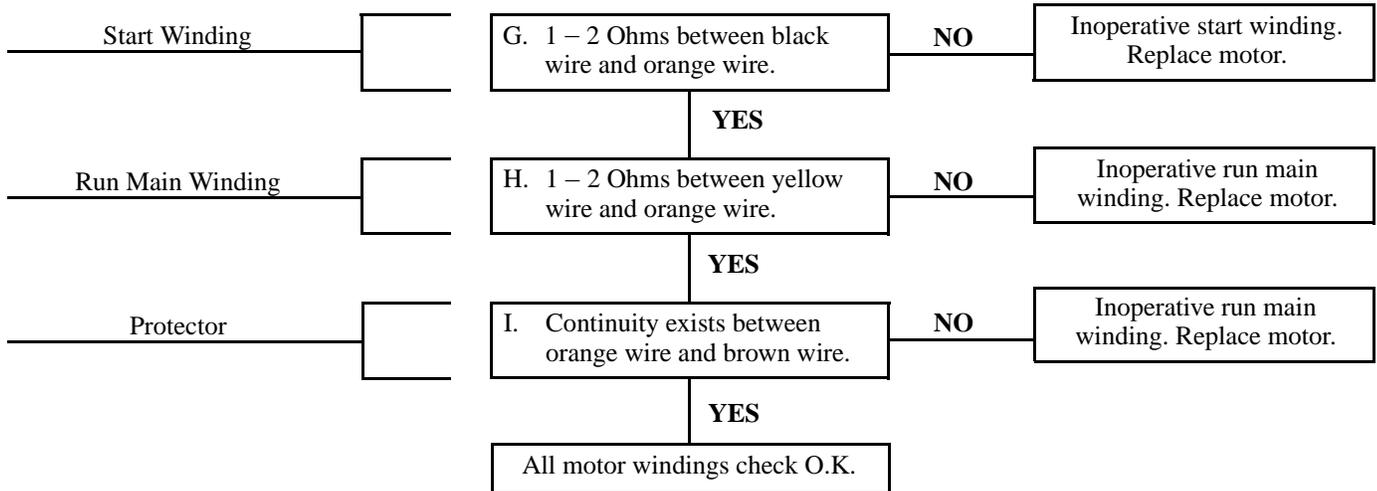
c. **Motor Switch** (Refer to SECTION 8 for Internal Wiring of the Dryer Motor Switch.)



	WARNING
<p>To reduce the risk of electric shock, fire, explosion, serious injury or death:</p> <ul style="list-style-type: none"> • 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. 	
<small>W001R1</small>	

d. **Motor Windings** (Refer to SECTION 8 for Internal Wiring of the Dryer Motor Switch.)

	WARNING
<p>Disconnect electric power to dryer before performing any of the following steps or when replacing inoperative motor switches.</p>	



	<h2>WARNING</h2>
<p>To reduce the risk of electric shock, fire, explosion, serious injury or death:</p> <ul style="list-style-type: none"> • 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

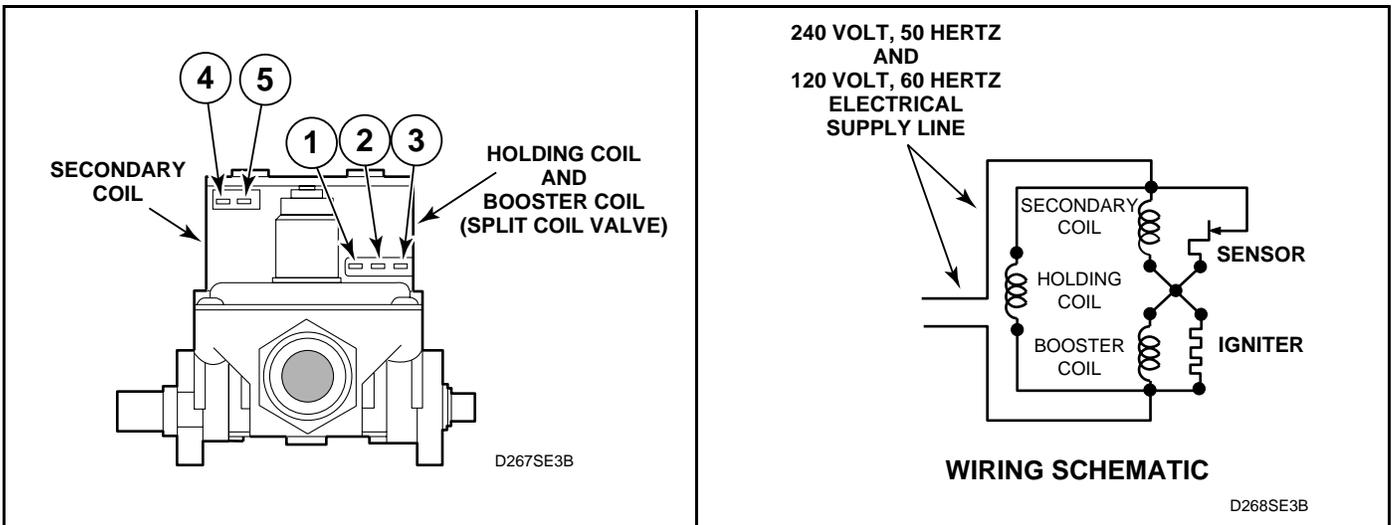


Figure 60

62. BURNER SYSTEM OPERATION – Silicon Carbide Ignition (Figure 60)

a. Components

The burner has four basic components: a silicon carbide (glow bar) igniter, burner tube, flame 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, flame sensor, booster coil and igniter. Both coils must be energized to open the split-coil valve. Once opened, the holding coil can hold the valve open without assistance from the booster coil. The flame sensor triggers the current to travel around the secondary coil and through the igniter, causing the igniter to get hot.

c. Burner Circuit

In approximately 30 seconds, the igniter attains ignition temperature and ignition is made. The heat from the burner flame causes the flame

sensor contacts (located on burner housing beside the igniter) to open. A circuit is then completed through the secondary valve coil, opening the valve and allowing gas to flow.

d. 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 flame sensor contacts do re-close, the secondary valve will close, and the burner system will be in the normal pre-ignition circuit.

e. Flame Failure

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

f. Ignition Failure

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



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

63. ELECTRICAL CIRCUIT TO IGNITION SYSTEM – Silicon Carbide Ignition

- a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.
- c. Close main gas shut-off valve.
- d. Remove valve wire harness disconnect block from the holding and booster coil. See *Figure 60*.
- e. Plug dryer power cord into wall receptacle, and start the dryer in a heat setting (refer to the Operating Instructions supplied with dryer).
- f. Set test meter to read AC voltage and apply meter probes into terminals on the dryer harness plug that would correspond to terminals 1 and 2 on the coil. See *Figure 60*. Meter should register line voltage in all Fabric settings, except FLUFF which should read “zero” VAC.
- g. If meter does not read line voltage in step “f”, check motor switch, thermostats, fabric switch, or timer.

	<h2 style="margin: 0;">WARNING</h2>
<p>To reduce the risk of electric shock, fire, explosion, serious injury or death:</p> <ul style="list-style-type: none"> • 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. 	
<small>W001R1</small>	

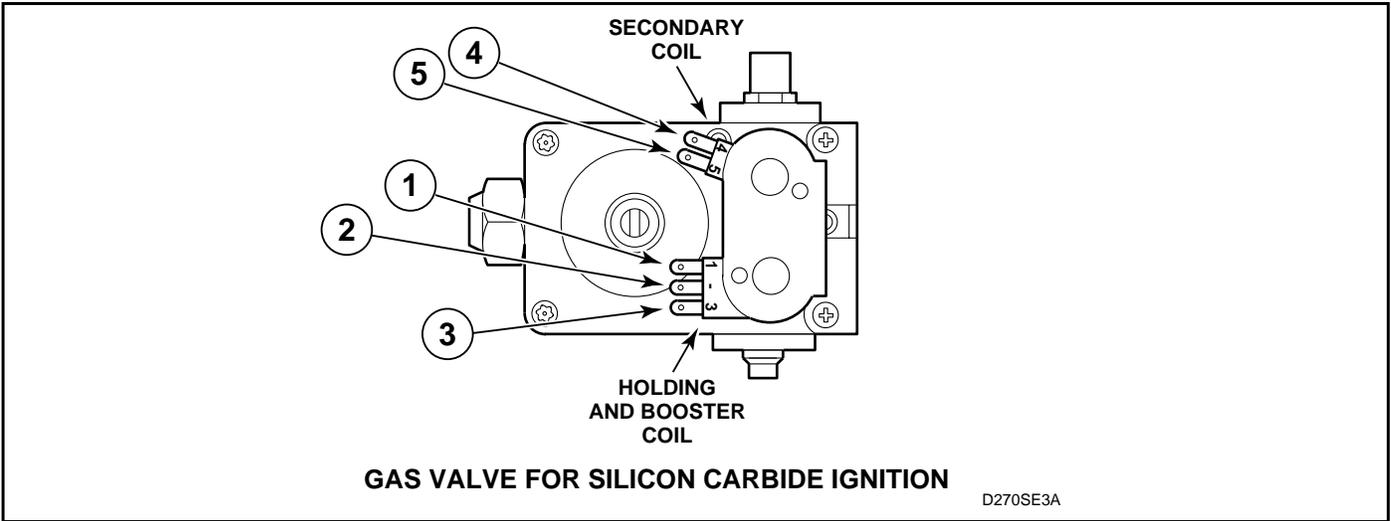


Figure 61

	<h2 style="margin: 0;">WARNING</h2>
<p>To reduce the risk of fire, explosion and electric shock, close the valve in the gas supply line to the gas dryer and disconnect the electrical power unless gas or power supplies are required to perform test procedure.</p>	

64. GAS VALVE COILS CHECK – Silicon Carbide Ignition

- a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.
- c. Close main gas shut-off valve.
- d. Remove disconnect blocks from gas valve coils.
- e. Set test meter to read Ohms and put meter probes to terminals as in *Figure 61*, and in the following chart.

COIL TOLERANCE READINGS

	60 Hertz	50 Hertz
Holding Coil Terminals 1 & 2	1365 ± 60 Ohms	1700 ± 75 Ohms
Booster Coil Terminals 1 & 3	560 ± 25 Ohms	685 ± 35 Ohms
Secondary Coil Terminals 4 & 5	1220 ± 50 Ohms	1650 ± 75 Ohms

NOTE: If meter registers any other readings than those listed above, the respective coil(s) should be replaced.

65. SENSOR CHECK – Silicon Carbide Ignition

- a. While supporting the access panel, remove two screws from bottom edge of access panel.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel.
- c. Close main gas shut-off valve.
- d. Remove wires from sensor terminals. See *Figure 36*.
- e. Set test meter to read Ohms, put meter probes on sensor terminals. Meter should read “zero” Ohms. If meter registers an Ohm reading of any amount, replace sensor.



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

66. IGNITER CHECK – Silicon Carbide Ignition

Gas dryers are manufactured with an igniter.

- a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.
- c. Disconnect igniter wires at disconnect block.
- d. Set test meter to read Ohms and put meter probes on terminals of igniter wires.
- e. **Silicon Carbide Igniter** – meter should read between 45 – 200 Ohms. See *Figure 62*.

If meter does not read appropriate Ohms, then replace the igniter.

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

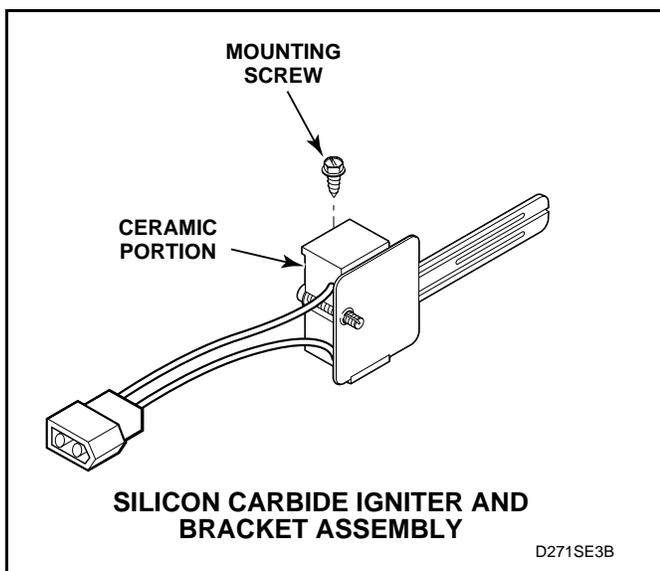


Figure 62

	WARNING
<p>To reduce the risk of electric shock, fire, explosion, serious injury or death:</p> <ul style="list-style-type: none"> • 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	

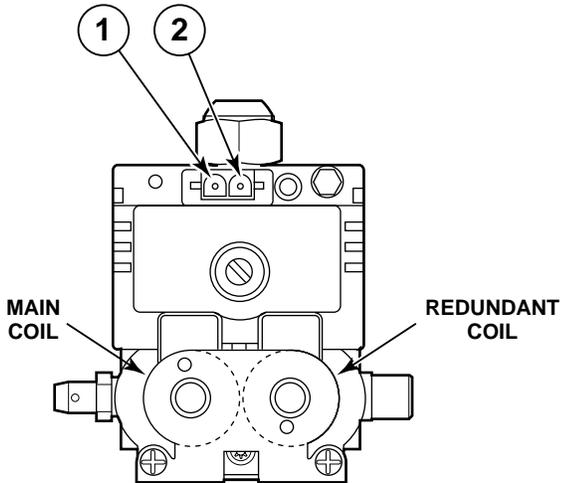
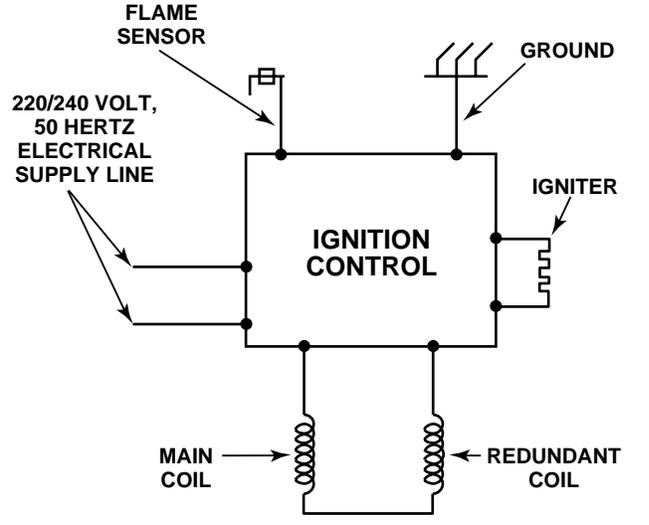
 <p style="text-align: center;">GAS VALVE FOR SILICON NITRATE IGNITION D340SE3A</p>	 <p style="text-align: center;">WIRING SCHEMATIC D332SE3A</p>
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Figure 63

67. BURNER SYSTEM OPERATION – Silicon Nitrate Ignition (*Figure 63*)

a. Components

The burner has four basic components: a glow bar igniter, burner tube, flame sensor, and a two-stage gas valve consisting of a main valve and a redundant coil valve.

b. Pre-ignition Circuits

When the dryer thermostat calls for heat, circuits are completed through the main and redundant coil, flame sensor, and igniter.

c. Burner Circuit

In approximately 30 seconds, the igniter attains ignition temperature and ignition is made. The flame sensor circuit is completed through the burner flame to the ignition control board.

d. Ignition Failure

If ignition failure occurs, the ignition control will reset to its pre-ignition state within approximately 45 seconds. After four failed attempts at ignition, the ignition control will lock-out the igniter. Refer to *Paragraph 14* for ignition control flashes.



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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68. ELECTRICAL CIRCUIT TO IGNITION SYSTEM – Silicon Nitrate Ignition

- a. While supporting the access panel, remove two screws from bottom edge of access panel.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel.
- c. Close main gas shut-off valve.
- d. Remove valve wire harness disconnect block from the gas valve. See *Figure 63*.
- e. Put dryer in a heat setting (refer to the Operating Instructions supplied with dryer).
- f. Set test meter to read AC voltage and apply meter probes into terminals on the dryer harness plug that would correspond to terminals 1 and 2 on the coil. See *Figure 63*. Meter should register line voltage in all Fabric settings, except FLUFF which should read “zero” VAC.
- g. If meter does not read line voltage in step “f” check motor switch, thermostats, fabric switch, or timer.

	<h2 style="margin: 0;">WARNING</h2>
<p>To reduce the risk of electric shock, fire, explosion, serious injury or death:</p> <ul style="list-style-type: none"> • 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. 	
<small>W001R1</small>	

	<h2 style="margin: 0;">WARNING</h2>
<p>To reduce the risk of fire, explosion and electric shock, close the valve in the gas supply line to the gas dryer and disconnect the electrical power unless gas or power supplies are required to perform test procedure.</p>	

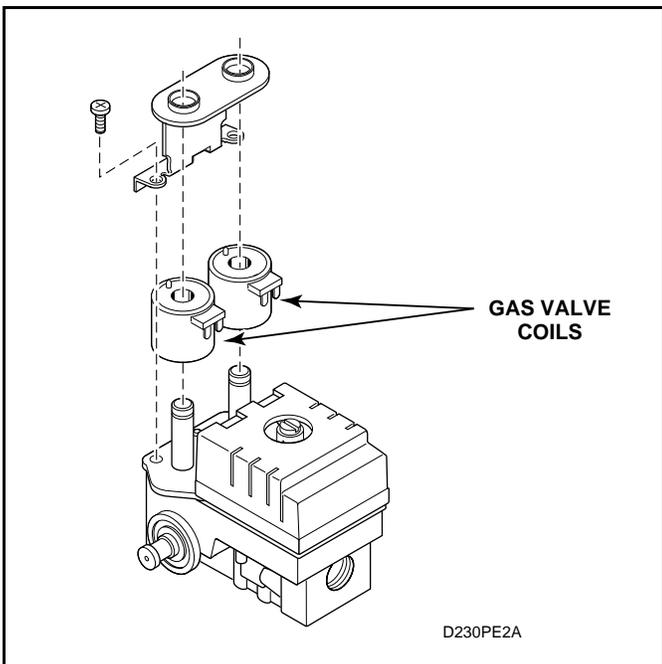


Figure 64

69. GAS VALVE COILS CHECK – Silicon Nitrate Ignition

- a. Remove access panel as indicated in *Paragraph 19*.
- b. Close main gas shut-off valve.
- c. Remove disconnect blocks from gas valve coils.
- d. Set test meter to read Ohms.
- e. Both coils should read between 2400 and 2800 Ohms.

NOTE: If meter registers any other readings than those listed, the respective coil(s) should be replaced.

70. FLAME SENSOR CHECK – Silicon Nitrate Ignition

- a. Remove access panel as indicated in *Paragraph 19*.
- b. Disconnect flame sensor wire at disconnect block.
- c. Set test meter to read Ohms.
- d. Put first meter probe on terminal of flame sensor wire and second meter probe on terminal 2 of disconnect block. See *Figure 63*.
- e. If the meter does not show any reading (infinite Ohms), there is no continuity. If there is no continuity, replace igniter and sensor assembly.

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



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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71. IGNITER CHECK – Silicon Nitrate Ignition

- a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.
- c. Disconnect igniter wires at disconnect block.
- d. Set test meter to read Ohms and put meter probes on terminals 1 and 3 of igniter disconnect block. See *Figure 63*.
- e. Silicon Nitrate Igniter – meter should read between 49-88 Ohms. If meter does not read appropriate Ohms, replace igniter and sensor assembly.

72. IGNITION CONTROL – Silicon Nitrate Ignition

Grounding Check:

- (1.) Set test meter to read Ohms and put meter probes on the ground wire connection in 12-pin block (connected to module) and on the green ground screw in base of dryer. See *Figure 8*.
- (2.) Meter should read “zero” Ohms. If meter registers an Ohm reading of any amount, check ground wire connection and replace as necessary.

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

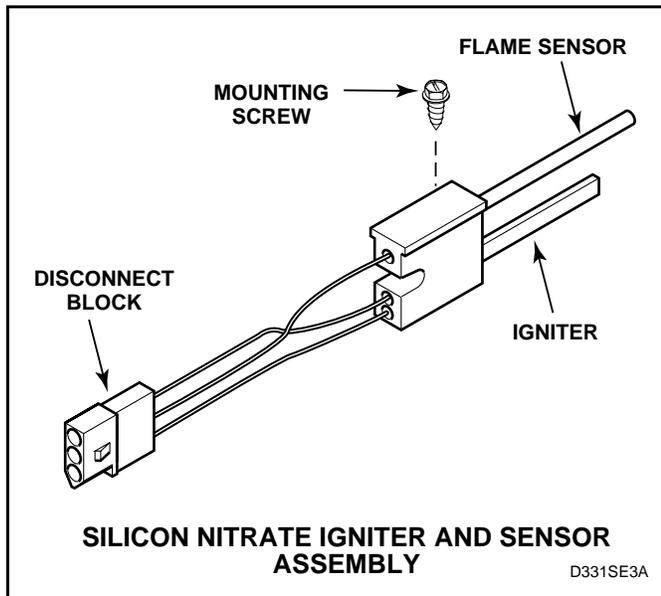


Figure 65



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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73. THERMAL FUSE (Electric Models)

- a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.
- c. Label and disconnect wires from thermal fuse.

NOTE: Refer to wiring diagram when rewiring thermal fuse.

- d. Set multimeter to read Ohms. Apply meter probes to thermal fuse terminals. Multimeter should read 0 Ohms. If the meter does not show any reading (infinite Ohms), then the fuse is open. If the fuse is open, then replace BOTH the thermal fuse and the limit thermostat.

74. HEATER ASSEMBLY (Electric Models)

- a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.
- c. Disconnect wires from heater assembly. See *Figure 38*.

NOTE: Refer to wiring diagram when rewiring heater assembly.

- d. Set meter to read Ohms. Apply meter probes to the heater assembly terminals. Meter should read as follows: (Cold Ohms). See *Figure 38*.

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

75. CYCLING OR LIMIT THERMOSTAT

- a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.
- c. Label and disconnect wires from thermostat. See *Figure 39*.

NOTE: Refer to model wiring diagram when rewiring thermostat.

Cycling Thermostat (S.P.S.T. – 2 Terminals) or Limit Thermostat

- (1.) Set meter to read Ohms.
- (2.) Apply meter probes to the thermostat terminals.
- (3.) Meter should read “zero.”



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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76. FABRIC SELECTOR SWITCH

- a. Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top. See *Paragraph 8*.
- b. Disconnect wires from fabric selector switch.

NOTE: Refer to proper model wiring diagram when rewiring switch.

- c. Set test meter to read Ohms and apply meter probes to switch terminals.

NOTE: Refer to proper model wiring diagram when reconnecting wires.

FABRIC SELECTOR SWITCH – 4 Position		
	L1-1	L1-2
Fluff	–	–
Delicate	X	X
Perm. Press	–	X
Normal	–	X
X indicates closed		

77. TIMER CONTACTS (Nonmetered Models – *Figure 66*)

- a. Remove four screws holding timer and plate to timer case.
- b. Pull timer and plate out of timer case as far as wires will permit.
- c. Disconnect wires from timer, except timer motor wires.

NOTE: Refer to appropriate wiring diagram when rewiring timer.

- d. Manually rotate timer out of “OFF” position and into cycle.
- e. Set test motor to read Ohms. The following readings should be found:
 - (1) Motor circuit test – L1 and M = “zero” Ohms (closed)
 - (2) Heat circuit test – L1 and H = “zero” Ohms (closed)

- (3) Timer motor test – L1 and N = approximately 1100 Ohms or apply live power to timer motor terminals and motor should run.

NOTE: Timer Motor Resistance
120 Volt, 60 Hz, 2,460 – 3,100 Ohms

- f. Rotate timer to “cooldown” (5 minutes before “OFF”). “Infinite” (open) reading should be found between L1 and H.
- g. 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.

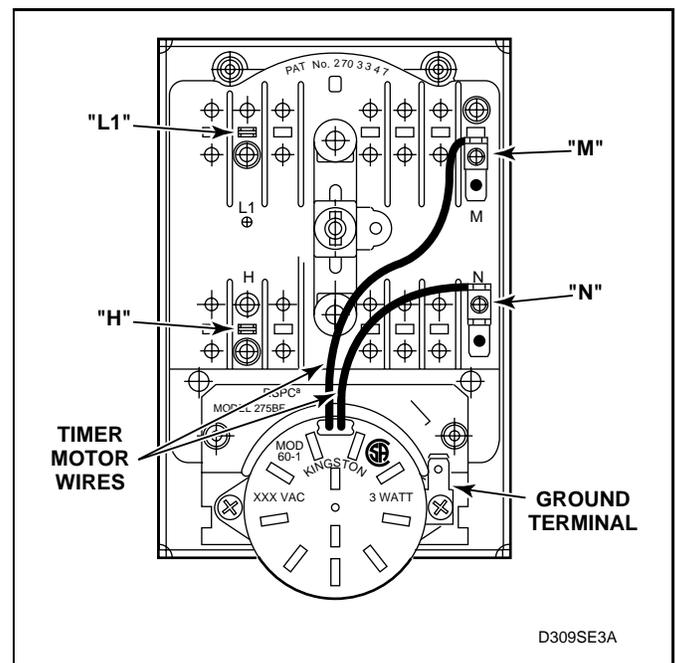


Figure 66



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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78. ACCUMULATOR AND TIMING MOTOR (Metered Models – Figure 67)

- 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, front end of door must be inserted at about 45° angle in order to engage notched tabs with internal rib at top of meter case.

- c. Remove right mounting screw and slide accumulator bracket back. See Figure 10. Once left mounting screw is over the keyhole opening, pull accumulator bracket up and out of meter case as far as wires permit.

NOTE: When reinstalling accumulator bracket, push it completely forward before replacing the right mounting screw.

- d. Remove wires from one side of each switch.

NOTE: Refer to appropriate wiring diagram when rewiring switches.

- e. Manually advance timing cam to disengage cam from ratchet wheel.
- f. 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)
- g. Manually advance timing cam until it engages with ratchet wheel and the first “click” is heard. Switch B should now read “infinite” (open).
- h. 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).
- i. **Timing motor**

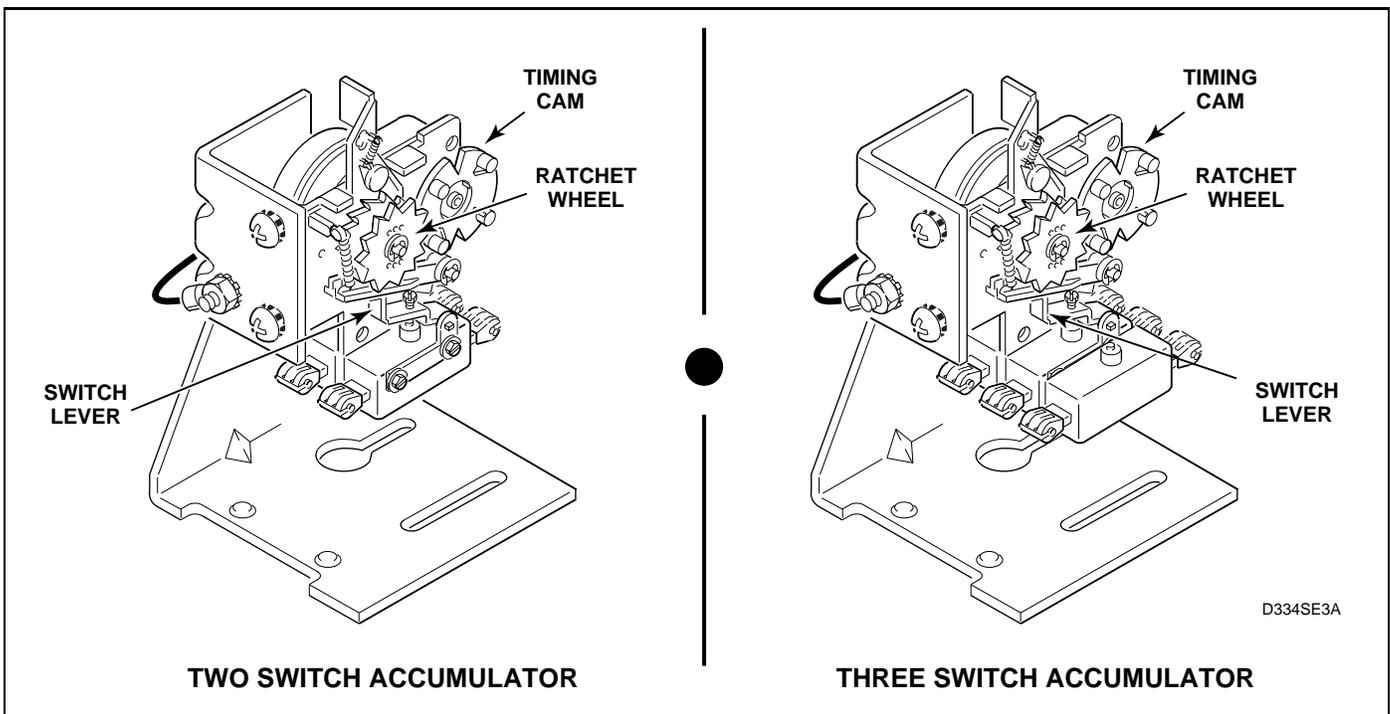


Figure 67



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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79. DOOR SWITCH

- a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 7*.
- b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 34*.
- c. Disconnect wires from door switch. See *Figure 25*.

NOTE: Refer to appropriate model wiring diagram when rewiring door switch.

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

80. PUSH-TO-START SWITCH

- a. Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top. See *Figure 8*.
- b. Unplug dryer from electrical supply and disconnect wires from switch terminals.
- c. Set Volt-Ohm meter on OHMS scale and calibrate at appropriate scale.
- d. Place meter probes on switch terminals. You should see an “infinite” reading on the meter.
- e. With probes attached to switch, press the start switch button. Meter should read “0” Ohms.

Section 8

Internal Wiring of Dryer Motor Switch

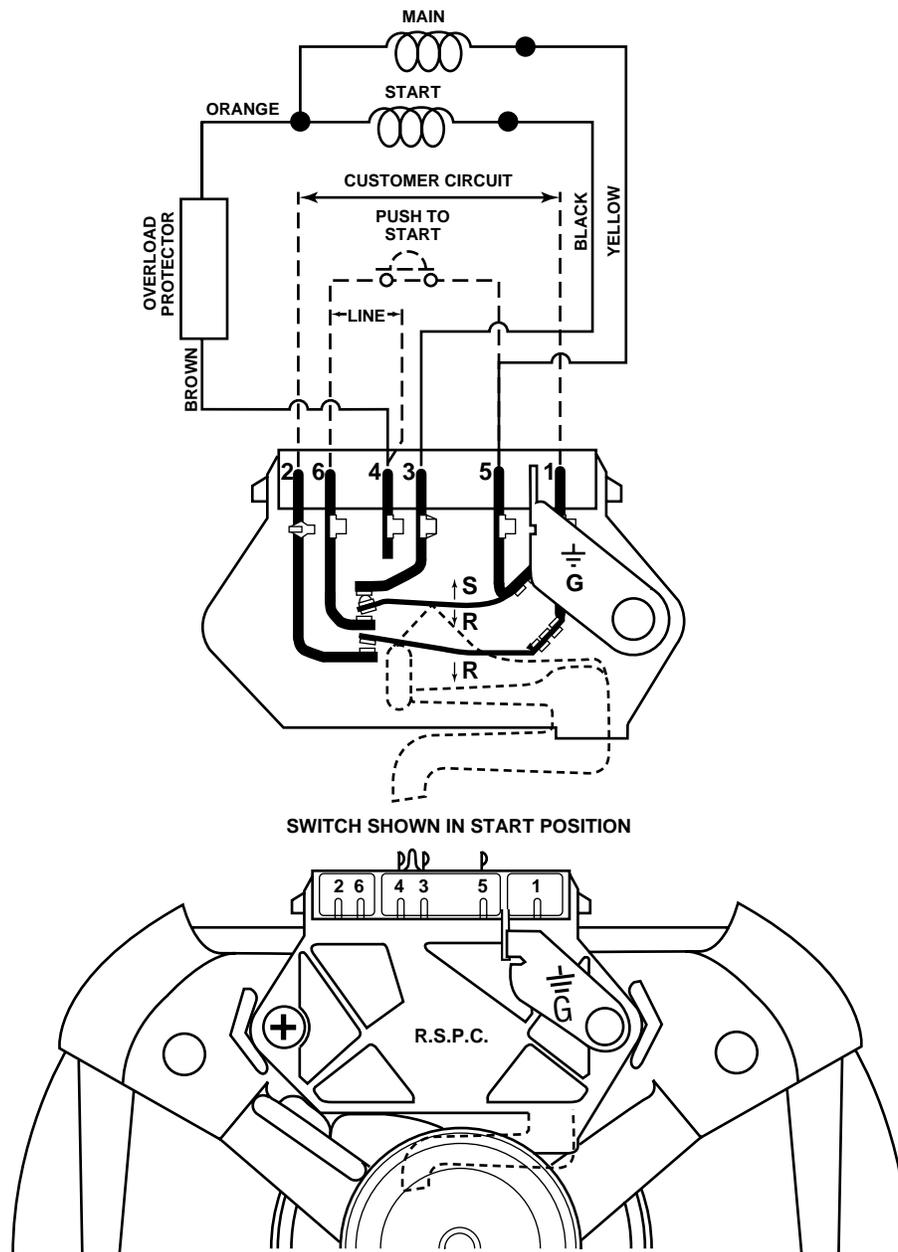


WARNING

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.

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D329S

Figure 68

