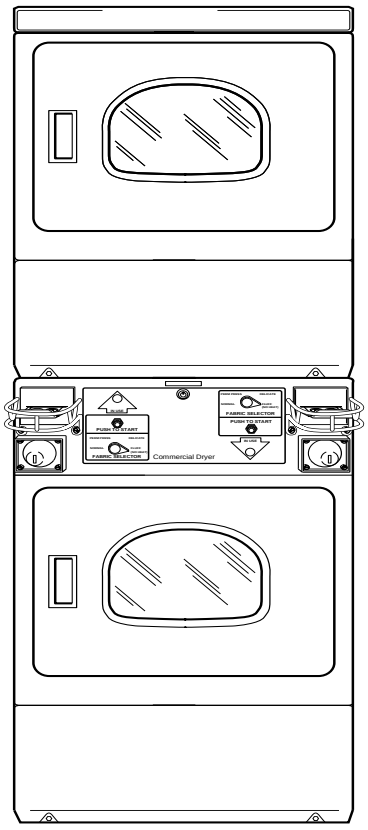
Stacked Dryers

Metered and Nonmetered

See Page 6 for Model Numbers

Service



D330P

Alliance Laundry Systems

Part No. 505038
May 1998

Table of Contents

SECTION 1 – Safety Information 3
Locating an Authorized Servicer: 4

SECTION 2 – Introduction 5
Customer Service 5
Nameplate Location 5
Model Identification 6
How Your Dryer Works 7

SECTION 3 – Troubleshooting 9
1. Motor Does Not Run 9
2. Unit Stops In Cycle; Quits After The First Few Loads; Has A Burning Smell; Cycles On Motor Thermal Protector 10
3. Motor Runs But Cylinder Does Not Turn 10
4. Motor Does Not Stop 11
5. Heating Assembly Does Not Heat or Burner Does Not Ignite 11
6. Igniter Does Not Glow (Gas Supply Sufficient) – Gas Models 12
7. Burner Ignites And Goes Out Repeatedly – Gas Models 12
8. Igniter Glows But Burner Does Not Ignite – Gas Models 12
9. Heater Assembly Or Burner Shuts Off Prematurely ... 13
10. Heater Assembly or Burner Repeatedly Cycles Off On Limit Thermostat 13
11. Heater Assembly or Burner Does Not Shut Off 14
12. Clothes Do Not Dry 14
13. Clothes Are Too Hot When Removed From Dryer 15

SECTION 4 – Grounding 17
14. Ground Wires From Block To Rear Bulkhead and From Rear Bulkhead To Control Housing (Electric Models Only) 17
15. Ground Wires From Power Cord To Rear Bulkhead and From Rear Bulkhead To Control Housing. Check Wall Receptacle Polarity (Gas Models Only) 17
16. Metered and Nonmetered Models – Ground Wires From Control Cabinet To Timer (Depending On Model) or Control Panel 18

SECTION 5 – Service Procedures 19
17. Access Panel (Figure 4) 19
18. Control Panel and Controls (Electromechanical Metered and Nonmetered) 20
19. Control Cabinet Front 23
20. Control Panel Overlay (Electromechanical Models) ... 28
21. Timer (Electromechanical Nonmetered Models) 28
22. Accumulator (Electromechanical Metered Models) 29
23. Electronic Control 30
24. Coin Drop 34
25. Card Reader 36
26. Cabinet Top (Upper Dryer) 37
27. Lint Filter 38
28. Loading Door and Door Hinge 38
Reversing Door Procedure 39
29. Inner and Outer Door Panels and Door Pull 40
30. Door Strike 40
31. Door Seal 41
32. Front Panel and Panel Seal 42
33. Door Switch 42
34. Door Catch 42
35. Door Hinge 44
36. Hold-down Clips and Locators 44
37. Burner System Components (Gas Models) 45
38. Burner Housing And Heat Shroud (Gas Models) 47
39. Limit Thermostat 47
40. Heating Element (Electric Models) 47
41. Thermistor or Thermostat 48
42. Air Duct 48
43. Motor and Exhaust Assembly 49
44. Front Bulkhead Assembly 52
45. Cylinder Belt 54
46. Cylinder Assembly 55
47. Rear Seal 56
48. Cylinder Rollers 58
49. Outlet Cover 58
50. Rear Bulkhead and Heater Box 58
51. Terminal Block or Power Cord 61
52. Cabinet and Base 63

SECTION 6 – Adjustments 65
53. Leveling Legs *65*
54. Burner Flame (Gas Models) 66

SECTION 7 – Test Procedures 67
55. Drive Motor 67
56. Burner System Operation (Gas Models) 70
57. Electrical Circuit To Ignition System (Gas Models) ... 71
58. Gas Valve Coils Check (Gas Models) 71
59. Sensor Check (Gas Models) 72
60. Igniter Check (Gas Models) 72
61. Thermal Fuse (Electric Models) 73
62. Heater Assembly (Electric Models) 73
63. Cycling or Limit Thermostat 73
64. Fabric Selector Switch 74
65. Timer Contacts (Nonmetered Models) 74
66. Accumulator (Metered Models) 75
67. Door Switch 76
68. Push-to-start Switch 76

SECTION 8 – Internal Wiring of Dryer Motor Switch .. 77

SECTION 9 – Wiring Diagrams 79

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.**

W006

WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:
- **Disconnect electric power to the dryer before servicing.**
- **Close gas shut-off valve to gas dryer before servicing.**
- **Never start the dryer 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.**

W001

WARNING

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

W007

CAUTION

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

W008

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

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

Locating an Authorized Servicer:

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

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

SECTION 2
Introduction

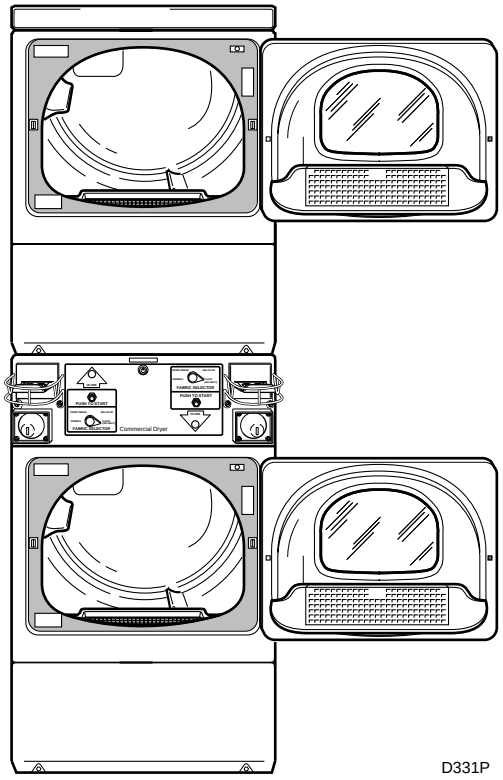
Customer Service

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

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

Nameplate Location

When calling or writing about your 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.



D331P

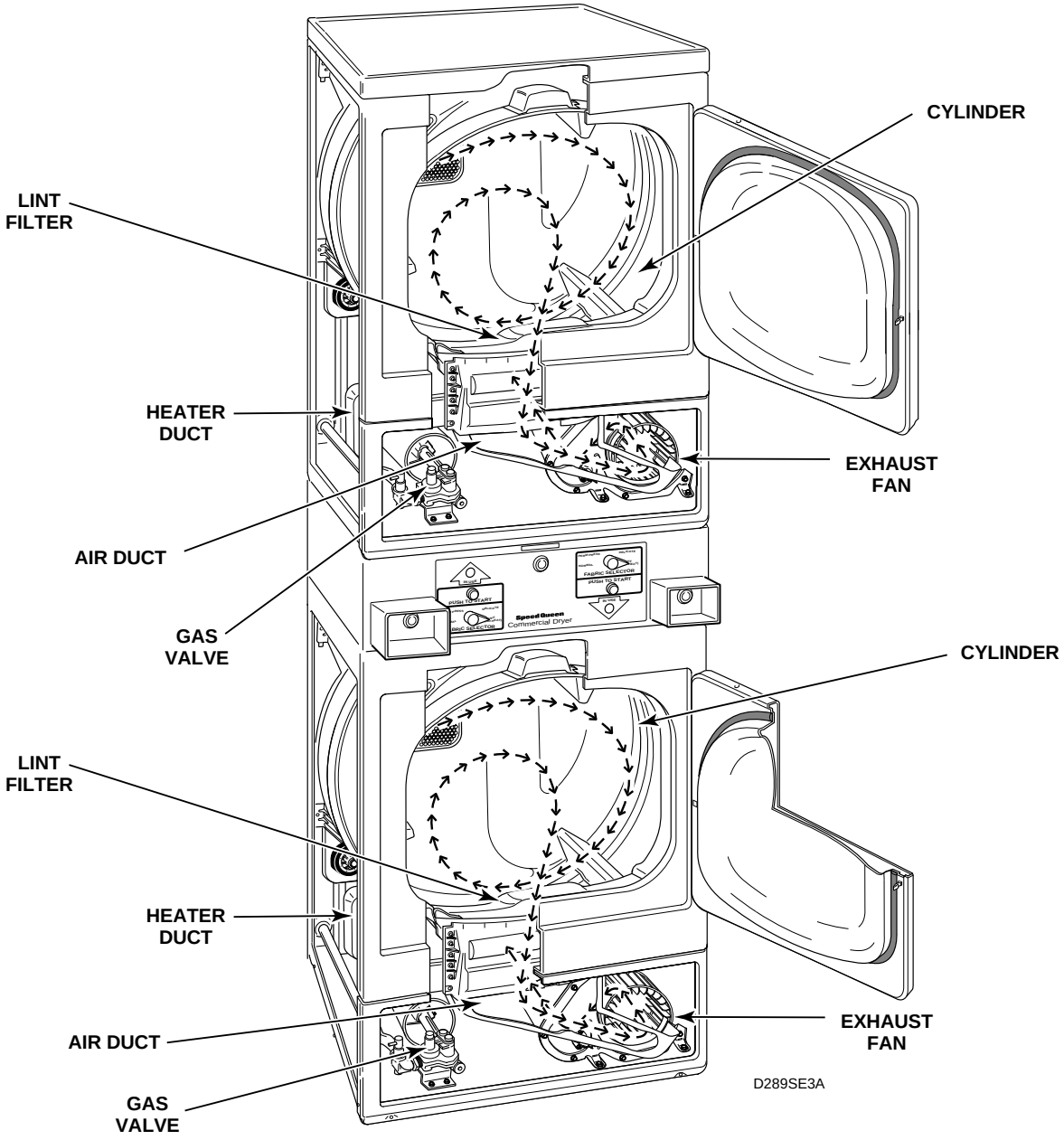
Model Identification

Information in this manual is applicable to these dryers.

Model Number	Nonmetered Model	Metered Model	Counter	Coin Drop Ready	Coin Drop Installed	Coin Slide Ready	Electronic Display Control	Card Reader Ready	Card Reader Installed	Electric Heat	Gas Heat
HSE117*A		X				X				X	
HSG119*A		X									X
SSE007*A	X									X	
SSE107*A		X				X				X	
SSE117*A		X				X				X	
SSE307*A		X	X			X				X	
SSE407*A		X		X			X			X	
SSE417*A		X		X			X			X	
SSE507*A		X			X		X			X	
SSE517*A		X			X		X			X	
SSE607*C		X					X	X		X	
SSE617*C		X					X	X		X	
SSE707*A		X					X		X	X	
SSE717*A		X					X		X	X	
SSG009*A	X										X
SSG109*A		X									X
SSG119*A		X				X					X
SSG309*A		X	X			X					X
SSG409*A		X		X			X				X
SSG419*A		X		X			X				X
SSG509*A		X			X		X				X
SSG519*A		X			X		X				X
SSG609*C		X					X	X			X
SSG619*C		X					X	X			X
SSG709*A		X					X		X		X
SSG719*A		X					X		X		X
USE007*A	X									X	
USG009*A	X										X

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

How Your Dryer Works



The dryer uses heated air to dry loads of laundry. When the motor is started, the exhaust fan pulls 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 appropriate model wiring diagram for aid in testing dryer components.

1. MOTOR DOES NOT RUN

POSSIBLE CAUSE	TO CORRECT
Electrical power off, fuse blown, or power cord not plugged in.	• 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.	• Close door.
Inoperative door switch.	• Test switch and replace if inoperative.
Timer improperly set.	• Reset timer, or try another cycle.
Inoperative timer.	• Test timer and replace if inoperative.
Motor starting functions inoperative. Doesn't start, or motor just hums.	• Refer to Paragraph 55 to check start switch and start windings.
Motor is dead, will not run.	• Refer to Paragraph 55 to check start switch, start windings, and main windings.
Motor overload protector has cycled.	• Wait two or three minutes for overload protector to reset. If protector cycles repeatedly, refer to Paragraph 2.
Motor centrifugal switch sticky or plugged with lint.	• Remove dust or lint and spray with "SLYDE," No. 131P4, to clean and lubricate.
Bind in motor bearing.	• Remove belt and determine if motor shaft will spin. • Replace motor if shaft is locked up.
Loose motor wire harness connection block.	• Firmly press connection block onto motor switch.
Broken, loose, or incorrect wiring.	• Refer to appropriate wiring diagram in SECTION 9.
Power cord is miswired.	• Refer to appropriate wiring diagram for the correct wiring. Refer to SECTION 9.

WARNING

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

W001R1

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

POSSIBLE CAUSE	TO CORRECT
Incorrect Voltage.	• See nameplate in door well for correct voltage. • Refer to INSTALLATION INSTRUCTIONS (supplied with dryer) for electrical requirements.
Clothes load too large.	• Remove part of load. A normal washer load is a normal dryer load. Maximum load: dryer cylinder one half full of wet clothes.
Clothes cylinder is binding.	• Check cylinder for binding and “out of round” condition. • Check front and rear bulkheads for warping. • Check support rollers for binding. • Check cylinder seals and glides for wear or damage. • Check for clothes lodged between cylinder baffle and bulkhead.
Broken, loose or incorrect wiring.	• Refer to appropriate wiring diagram in SECTION 9.
Motor switch functions inoperative. Short in motor winding.	• Refer to Paragraph 55 to check switch and windings.
Clothes item caught in fan.	• Check fan for obstruction.

3. MOTOR RUNS BUT CYLINDER DOES NOT TURN

POSSIBLE CAUSE	TO CORRECT
Motor drive pulley loose.	• Tighten pulley.
Belt not installed on pulley.	• Install belt. Refer to Figure 41.
Broken cylinder belt.	• Replace belt.
Clothes cylinder is binding.	• Check cylinder for binding and “out of round” condition. • Check front and rear bulkheads for warping. • Check cylinder rollers for binding. • Check cylinder seals and glides for wear or damage.
Broken, weak or disconnected idler lever spring.	• Replace or reconnect spring. Refer to Figure 42.
Belt routed on wrong side of idler lever.	• Reroute belt. Refer to Figure 41.
Oil on cylinder.	• Wipe oil from cylinder.
Belt is “inside out.”	• Reinstall belt with ribbed surface against cylinder.
Idler arm is binding.	• Add grease between idler arm and motor mount. • Replace idler arm and bolt if needed.
Dryer is overloaded.	• Remove some laundry from dryer.
Wrong motor.	• Refer to parts manual for correct motor part number.
Wrong belt used on dryer.	• Check belt part number against correct part number in the Parts manual. • Replace belt if needed.
Bent idler arm.	• Replace idler arm.

WARNING

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

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

W001R1

4. MOTOR DOES NOT STOP

POSSIBLE CAUSE	TO CORRECT
Incorrect wiring to motor switch.	• Refer to appropriate wiring diagram in SECTION 9.
Motor centrifugal switch sticky or plugged with lint.	• Remove dust or lint and spray with “SLYDE,” Part No. 131P4, to clean and lubricate.
Inoperative door switch.	• Test switch and replace if inoperative.
Inoperative timer – nonmetered models.	• Test timer and replace if inoperative. Refer to Figure 62.

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

POSSIBLE CAUSE	TO CORRECT
Improper or inadequate exhaust system.	• See INSTALLATION INSTRUCTIONS (supplied with dryer) for exhaust requirements.
Use of plastic or thin foil exhaust duct.	• Replace with solid or rigid flexible metal exhaust duct.
Blown house fuse or tripped circuit breaker.	• 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.	• Reset or test switch and replace if inoperative.
Inoperative limit thermostat.	• Test thermostat and replace if inoperative.
Inoperative drive motor switch.	• Test switch and replace if inoperative.
Electric Models: Inoperative heater assembly.	• Test heater assembly and replace if cold Ohms do not read between 9 and 10.5 Ohms.
Electric Models: Inoperative thermal fuse.	• Test thermal fuse and replace if inoperative.
Gas Models: Insufficient gas supply.	• Check gas shut-off valve in dryer and main gas line valve. • Open partially closed gas shut-off valve, or correct low gas pressure.
Gas Models: Inoperative gas valve coils.	• Test coils (Paragraph 58) and replace if inoperative.
Gas Models: Inoperative flame sensor.	• Test flame sensor (Paragraph 37, step C) and replace if inoperative.
Gas Models: Inoperative igniter.	• Test igniter (Paragraph 60) and replace if inoperative.
Gas Models: Harness not properly connected to gas controls.	• Check harness connections to gas valve coils, sensor and main harness. • Reconnect as required.
Gas Models: Restricted gas flow in gas orifice.	• Clean out gas orifice.
Inoperative cycling thermostat.	• Test thermostat and replace if inoperative.
Inoperative timer.	• Test timer and replace if inoperative.
Broken, loose, or incorrect wiring.	• Refer to appropriate wiring diagram in SECTION 9.

WARNING

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

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

W001R1

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

POSSIBLE CAUSE	TO CORRECT
No power to power leads on valve.	• Check timer, selector switch, thermostats, motor switch, and wiring.
Flame sensor failed with contacts open.	• Replace flame sensor.
Igniter broken or open.	• Replace igniter.

7. BURNER IGNITES AND GOES OUT REPEATEDLY – GAS MODELS

POSSIBLE CAUSE	TO CORRECT
Improper or inadequate exhaust system. Weather hood flapper restricted.	• See INSTALLATION INSTRUCTIONS (supplied with dryer) for exhaust requirements.
Burner heat not holding flame sensor contacts open.	• Replace flame sensor, or correct gas supply problem.
Insufficient gas supply.	• Check gas supply and pressure. • Make sure gas shut-off valve is turned on.
Cracked igniter.	• Replace igniter and bracket.
Inoperative or intermittent gas valve coils.	• Check coils (Paragraph 58) and replace appropriate coils.

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

POSSIBLE CAUSE	TO CORRECT
Flame sensor failed in closed position.	• Replace flame sensor.
Open secondary coil or holding coil.	• Replace gas valve (in-warranty), or replace coils (out-of-warranty). Refer to Paragraph 58.
Insufficient gas supply.	• Check gas supply and pressure. • Make sure gas shut-off valve is turned on.
Igniter and bracket installed improperly on burner tube assembly.	• Loosen screw and properly position igniter and bracket on burner tube assembly.
Flame sensor installed improperly on burner housing.	• Loosen screw and properly position the flame sensor on the burner housing.

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.	• See INSTALLATION INSTRUCTIONS (supplied with dryer) for exhaust requirements.
Gas Models: Insufficient gas supply.	• 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.	• Refer to “Gas Burner Conversion Procedures” supplied in gas burner conversion kit.
Gas Models: Improperly adjusted burner flame.	• Adjust flame. Refer to Paragraph 54.
Cycling off on limit thermostat.	• Momentarily connect a jumper wire across thermostat terminals. If heater element heats or burner ignites when jumper wire is connected, refer to paragraph 10.
Gas models: Flame sensor contact closing	• Replace flame sensor (Paragraph 37, step C) or adjust burner flame. Refer to Paragraph 54.
Inoperative cycling thermostat.	• Test thermostat and replace if inoperative.
Inoperative timer.	• Test timer and replace if inoperative.
Broken, loose, or incorrect wiring.	• Refer to appropriate wiring diagram in SECTION 9.

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.	• Refer to INSTALLATION INSTRUCTIONS (supplied with dryer) for exhaust system requirements.
Use of plastic or thin foil exhaust duct.	• Replace with solid or rigid flexible metal exhaust duct.
Clogged lint filter.	• Clean lint filter.
Lint in internal dryer ductwork.	• Disassemble dryer ductwork and clean.
Lint or other obstruction in external exhaust system.	• Disassemble and clean exhaust system.
Hinged damper on exhaust system weather hood not free to open.	• Free hinged damper or replace weather hood
Limit thermostat cycling at too low a temperature.	• Replace thermostat. Refer to Paragraph 39.
Air leak around loading door. (Door not sealing due to damaged seal or inoperative door catch.)	• Replace seal or catch.
Inoperative thermistor.	• Test thermistor and replace if inoperative.
Air leak at blower seal.	• Check and replace seal if necessary.
Air leak at cylinder seal(s).	• 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.**

W001R1

11. HEATER ASSEMBLY OR BURNER DOES NOT SHUT OFF

POSSIBLE CAUSE	TO CORRECT
Improper motor switch. (Timer must be in a heat setting.)	• Test switch and replace if inoperative.
Motor does not stop.	• Refer to Paragraph 4.
Incorrect wiring.	• Refer to appropriate wiring diagram in SECTION 9.
Heater assembly shorted.	• 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.	• Refer to Paragraph 5.
Too much water in articles being dried.	• Remove excess water.
Laundry load too large.	• Remove part of load. A normal washer load is a normal dryer load. Maximum load: Dryer cylinder one half full of wet clothes.
Laundry load too small.	• Add one or two bath towels to load.
Excessive lint on lint filter.	• Clean lint filter.
Heat selector switch set on FLUFF or inoperative.	• Reset switch, or test and replace the switch if inoperative.
Improper or inadequate exhaust system.	• See INSTALLATION INSTRUCTIONS (supplied with dryer) for exhaust requirements.
Heater assembly or burner shuts off prematurely.	• Refer to Paragraph 9.
Gas Models: Gas line pressure too high or too low.	• If Natural Gas line pressure to dryer exceeds 8 inch water column pressure, or is lower than 4 inch water column, ask Gas Company to correct.
Improper belt installation (Low RPM).	• Check for proper installation. Refer to Figure 41.

WARNING

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

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

W001R1

13. CLOTHES ARE TOO HOT WHEN REMOVED FROM DRYER

POSSIBLE CAUSE	TO CORRECT
Improper or inadequate exhaust system.	• Refer to INSTALLATION INSTRUCTIONS (supplied with dryer) for exhaust requirements.
Clothes are removed from dryer before cycle has completed.	• Allow the dryer to complete the cycle through the cool-down to the OFF position.
Inoperative cycling thermostat.	• Test cycling thermostat and replace if inoperative.
Inoperative timer (not allowing cool-down).	• Test timer and replace if inoperative.
Inoperative seals (air leaks).	• Check and replace any inoperative seals in the following areas: 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.

SECTION 4
Grounding

WARNING

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

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

W001R1

14. GROUND WIRES FROM BLOCK TO REAR BULKHEAD AND FROM REAR BULKHEAD TO CONTROL HOUSING (Electric Models Only) *(Figure 1)*.

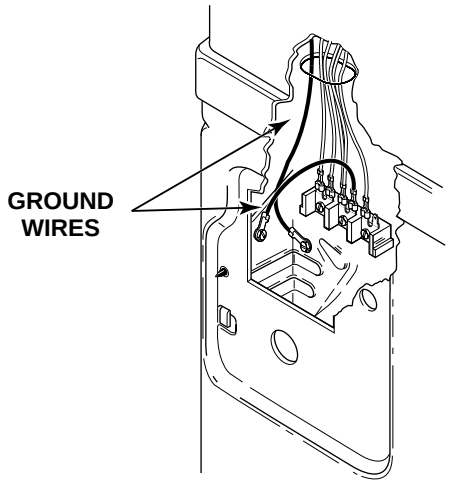


Figure 1

15. GROUND WIRES FROM POWER CORD TO REAR BULKHEAD AND FROM REAR BULKHEAD TO CONTROL HOUSING. CHECK WALL RECEPTACLE POLARITY (Gas Models Only) *(Figure 2)*.

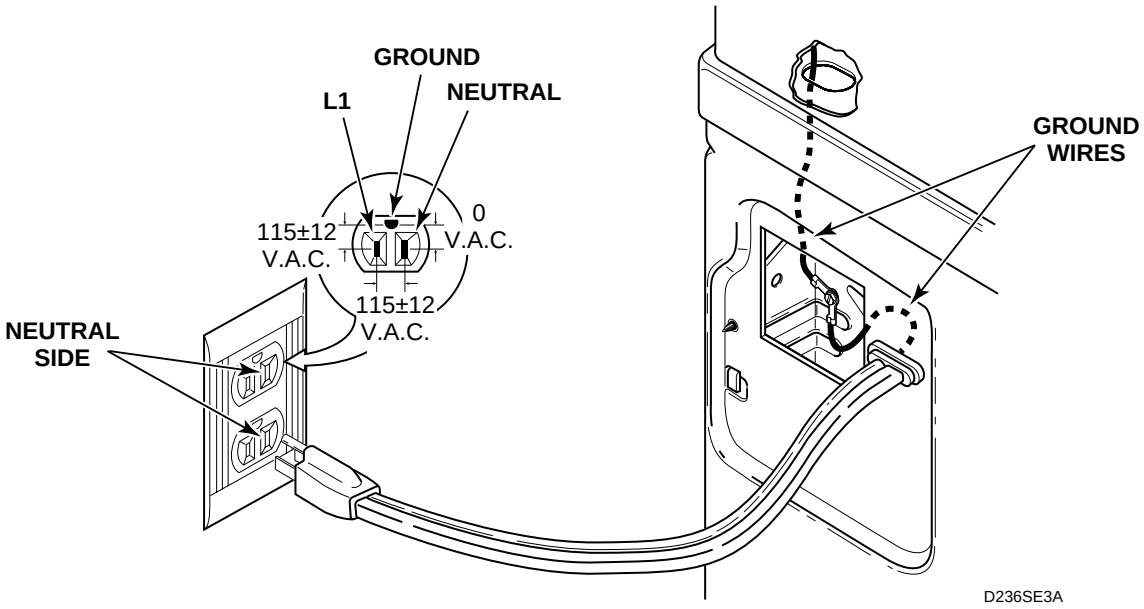


Figure 2

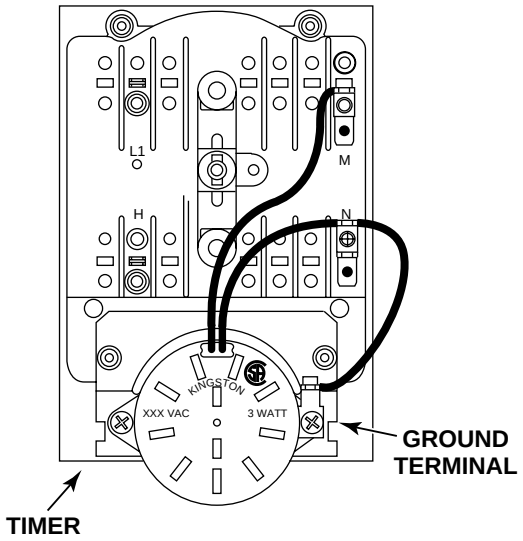
WARNING

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

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

W001R1

16. METERED AND NONMETERED MODELS – GROUND WIRES FROM CONTROL CABINET TO TIMER (DEPENDING ON MODEL) OR CONTROL PANEL *(Figure 3)*.



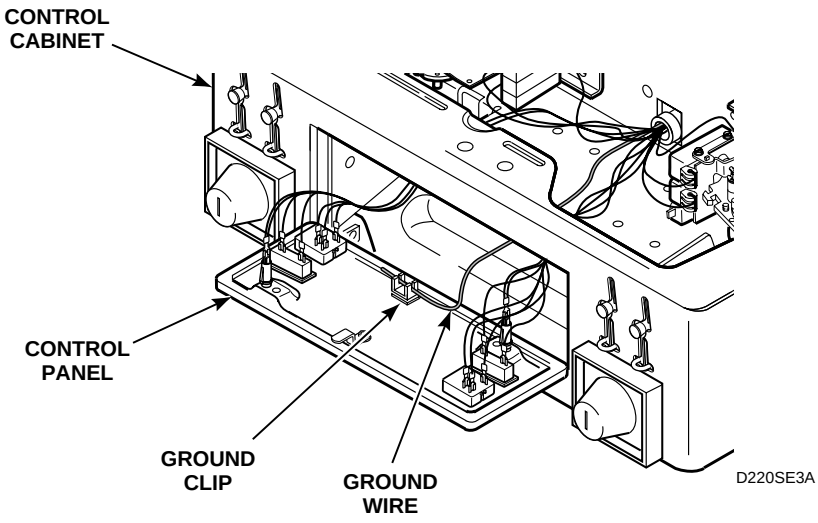


Figure 3

SECTION 5
Service Procedures

WARNING

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

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

W001R1

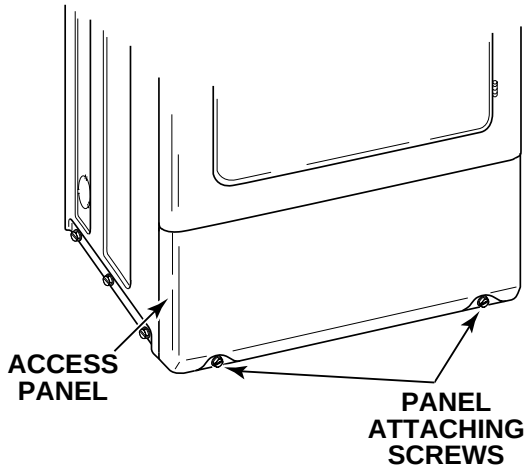


Figure 4

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.

17. ACCESS PANEL *(Figure 4)*

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. Remove access panel.

WARNING

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

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

W001R1

18. CONTROL PANEL AND CONTROLS (ELECTROMECHANICAL METERED AND NONMETERED) (*Figure 5*)

a. Unlock control panel. See *Figure 5A*.
b. Pull top of control panel away from control cabinet and lift up. See *Figure 5B*.
c. Remove control panel from control cabinet. See *Figure 5C*.
d. Disconnect all wires to components. See *Figure 6*.
e. Remove ground clip holding ground wire to control panel. See *Figure 6*.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

f. Loosen setscrew holding switch knob to shaft and pull knob off shaft. See *Figures 7* or *8*.
g. Remove knurled nut holding fabric selector switch to panel and remove switch. See *Figures 7* or *8*.
h. Remove hex nut from push-to-start switch and remove switch. See *Figures 7* or *8*.
i. Squeeze locking tabs on indicator light and pull light out from back of panel. See *Figures 7* or *8*.

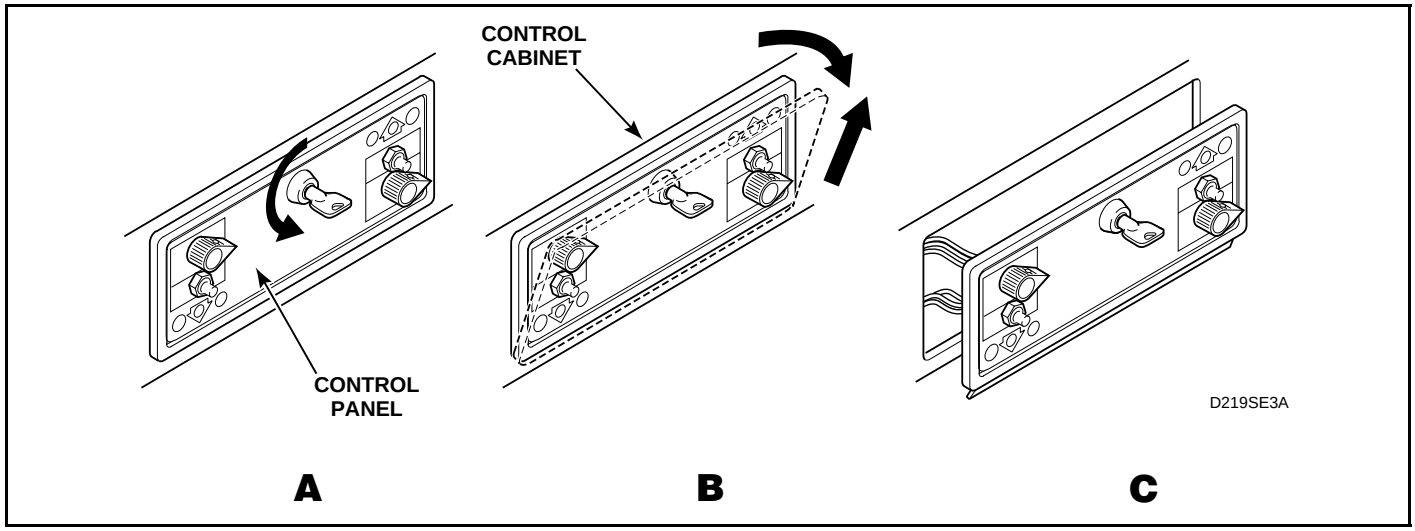


Figure 5

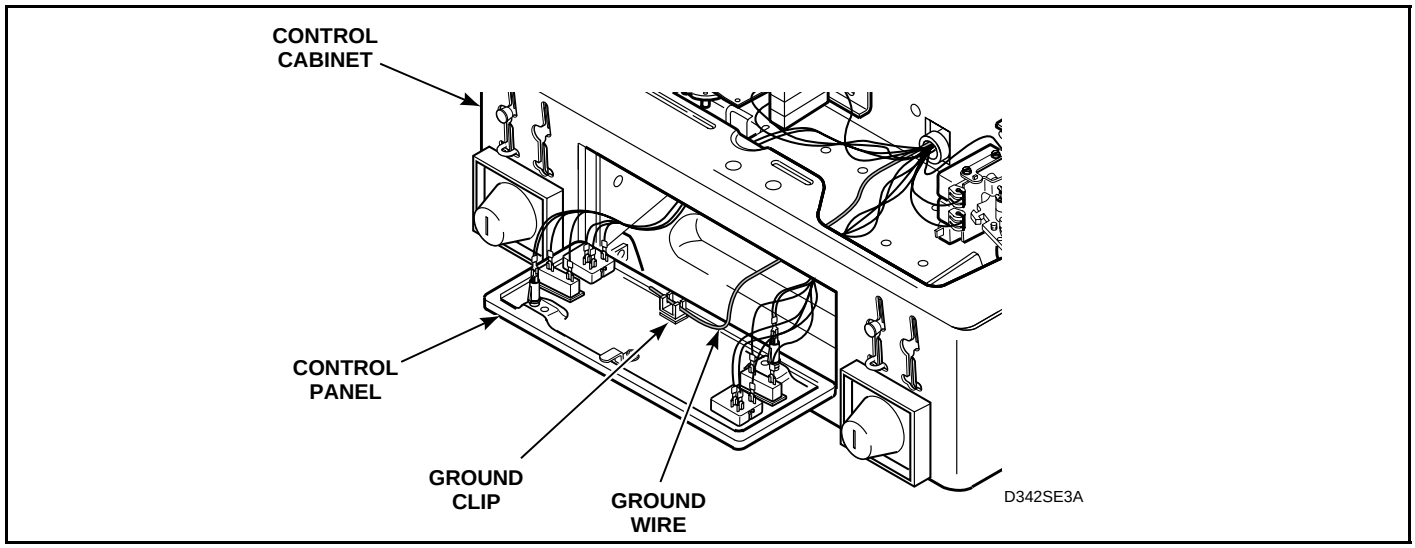


Figure 6

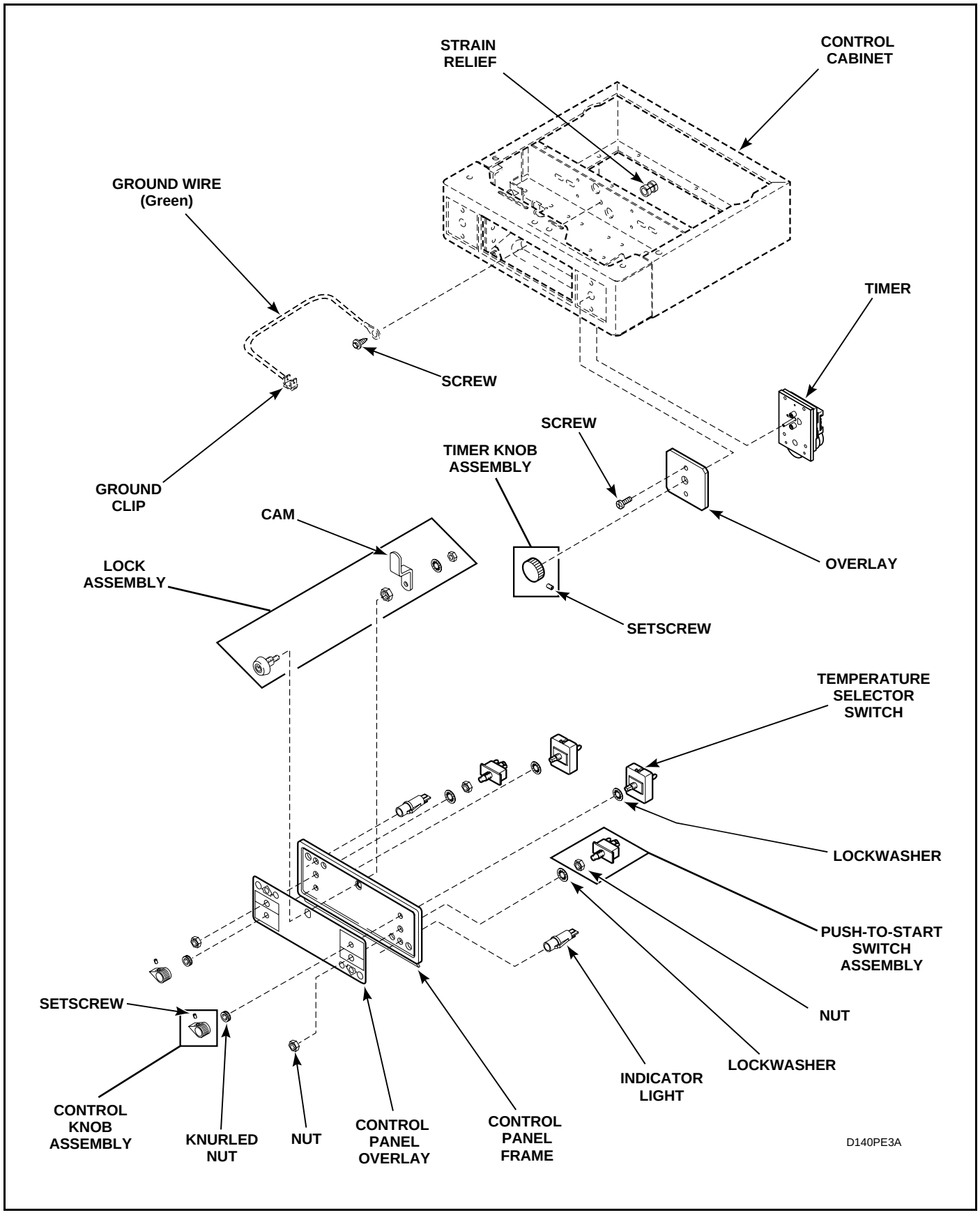


Figure 7

CONTROL PANEL AND CONTROLS
(Models SSE007*A, SSG009*A, USE007*A and USG009*A)

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

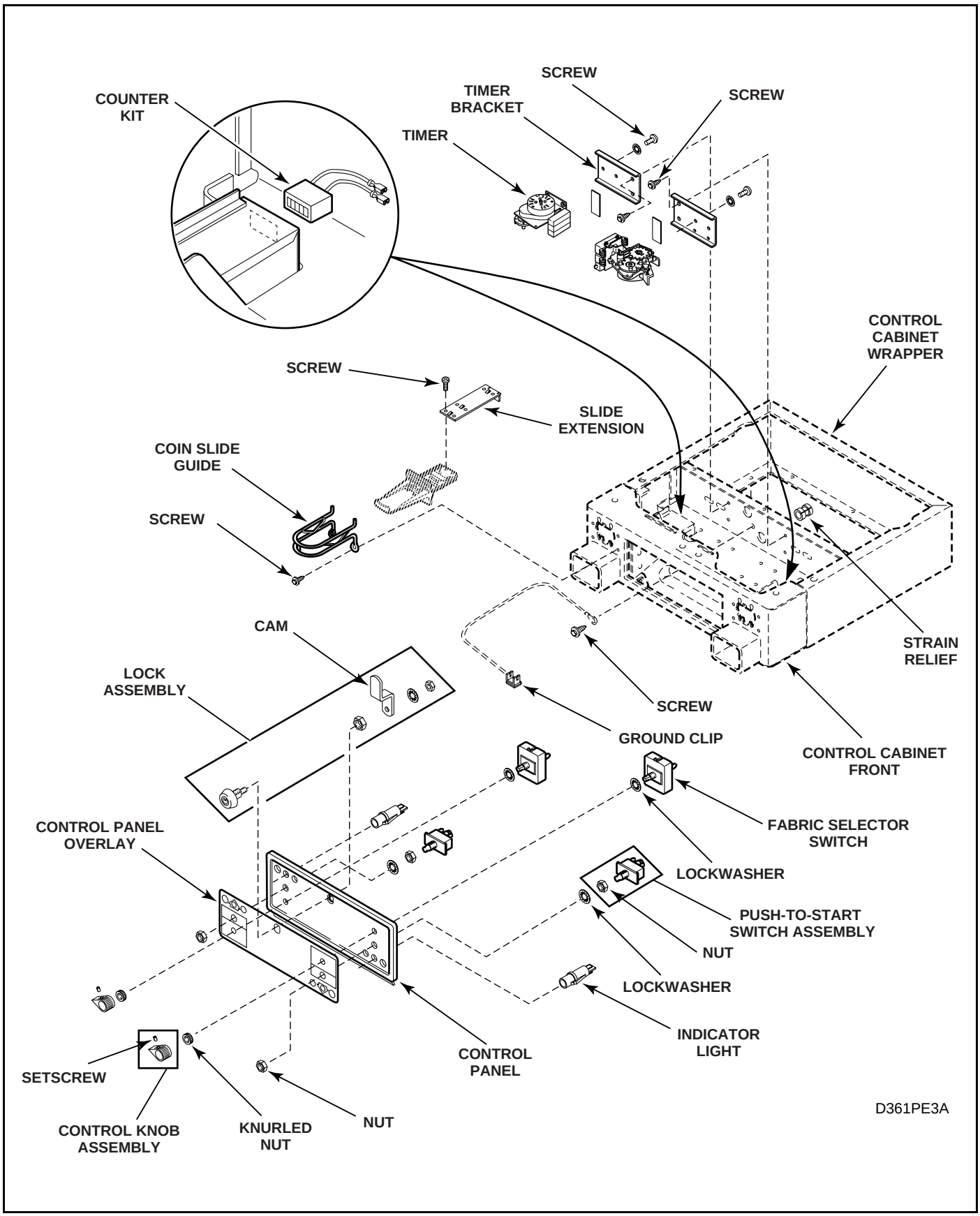


Figure 8

CONTROL PANEL AND CONTROLS

(Models HSE117*A, HSG119*A, SSE107*A, SSE117*A, SSE307*A, SSG109*A, SSG119*A and SSG309*A)

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

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

19. CONTROL CABINET FRONT

a. Unlock control panel. See *Figure 5A*.
b. Pull top of control panel away from control cabinet and lift up. See *Figure 5B*.
c. Remove control panel from control cabinet. See *Figure 5C*.
d. Disconnect all wires to components. See *Figure 6*.
e. Remove ground clip holding ground wire to control panel. See *Figure 6*.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

f. While supporting the access panel, remove the access panel from both dryers by removing the two screws from the bottom edge of each access panel. See *Figure 4*.
g. Gently lower each access panel to disengage panel locators from the bottom edge of each access panel. See *Figure 4*.
h. Remove two screws holding bottom tabs on front panel to lower dryer cabinet. See *Figures 10* through *13*.
i. Swing bottom of front panel away from lower dryer to disengage hold-down clips and locators from control cabinet.
j. Disconnect wires from door switch. See *Figure 9*.

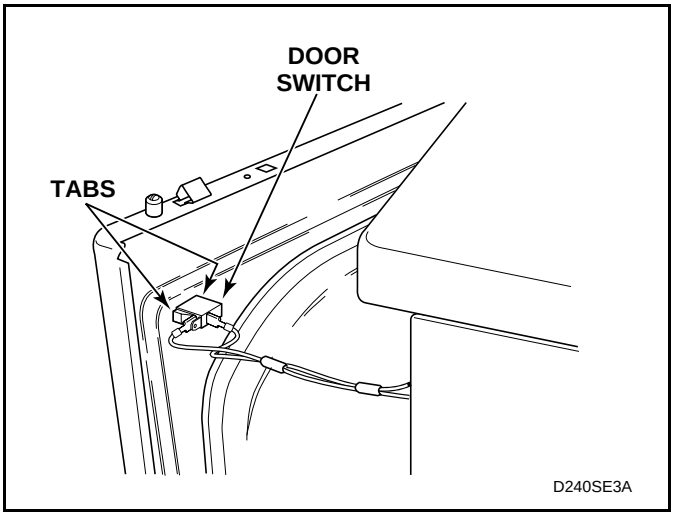


Figure 9

NOTE: Refer to appropriate wiring diagram when rewiring switch.

k. Remove two screws holding bottom tabs on control cabinet to front flange of lower dryer cabinet. See *Figures 10* through *13*.
l. Remove two screws and shoulder washers holding the upper dryer base to the top side of the control cabinet. See *Figures 10* through *13*.
m. Reach in through front opening of control cabinet and remove two screws (per side) holding the control cabinet front to the front flange of the control cabinet wrapper. See *Figures 10* through *13*.
n. METERED MODELS (Coin Drop and Coin Slide) - Unlock and remove two coin drawers. Reach in through coin drawer opening and remove two screws (per side) holding control cabinet to control cabinet wrapper. See *Figure 11*.
o. Reach through control panel opening and remove two screws holding the control cabinet wrapper tabs to the control cabinet front tabs. See *Figures 10* through *13*.
p. Carefully pull control cabinet front straight out from between the upper and lower dryers. See *Figures 10* through *13*.

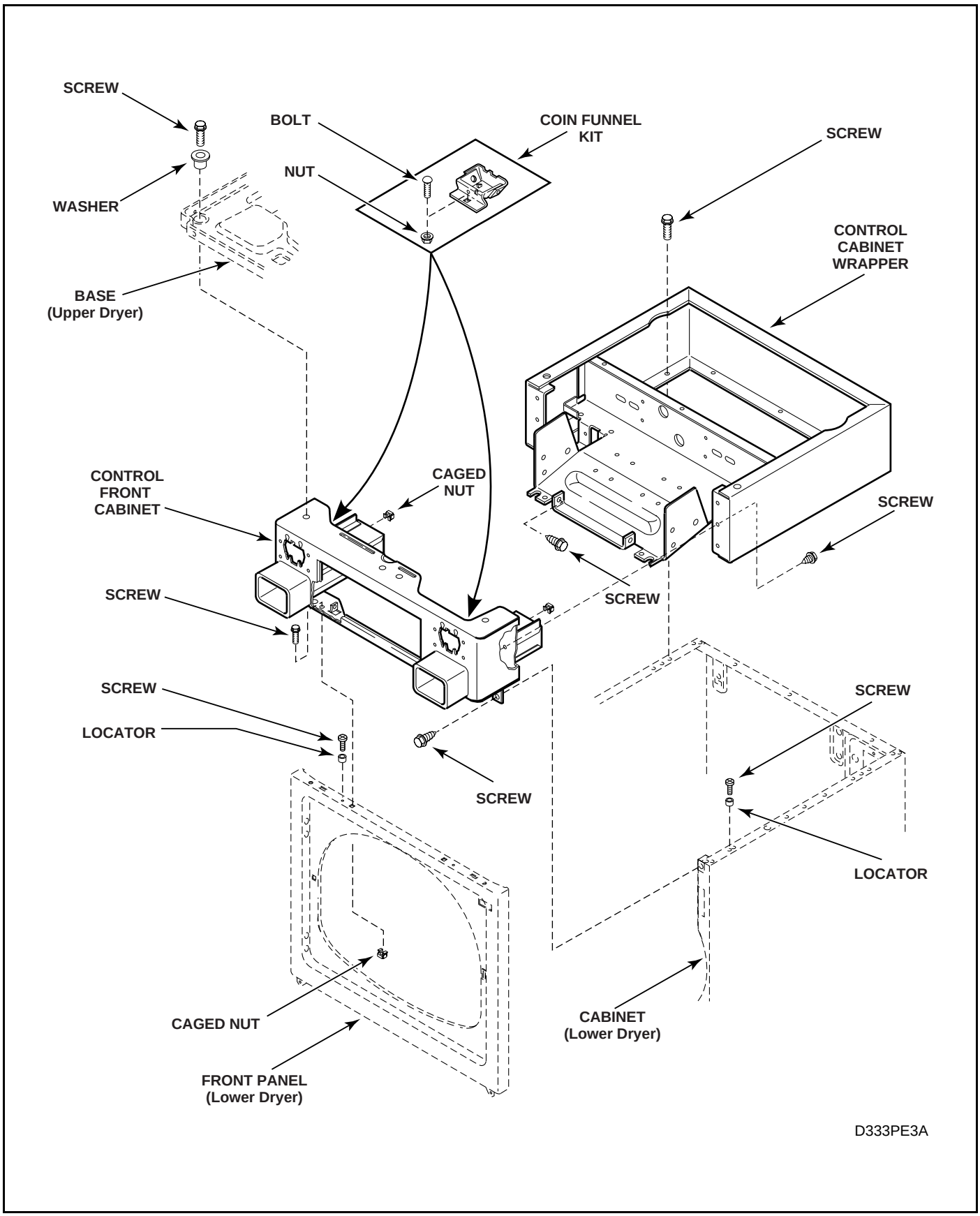


Figure 10

CONTROL CABINET

(Models HSE117*A, HSG119*A, SSE107*A, SSE117*A, SSG109*A, SSG119*A, SSE307*A and SSG309*A)

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

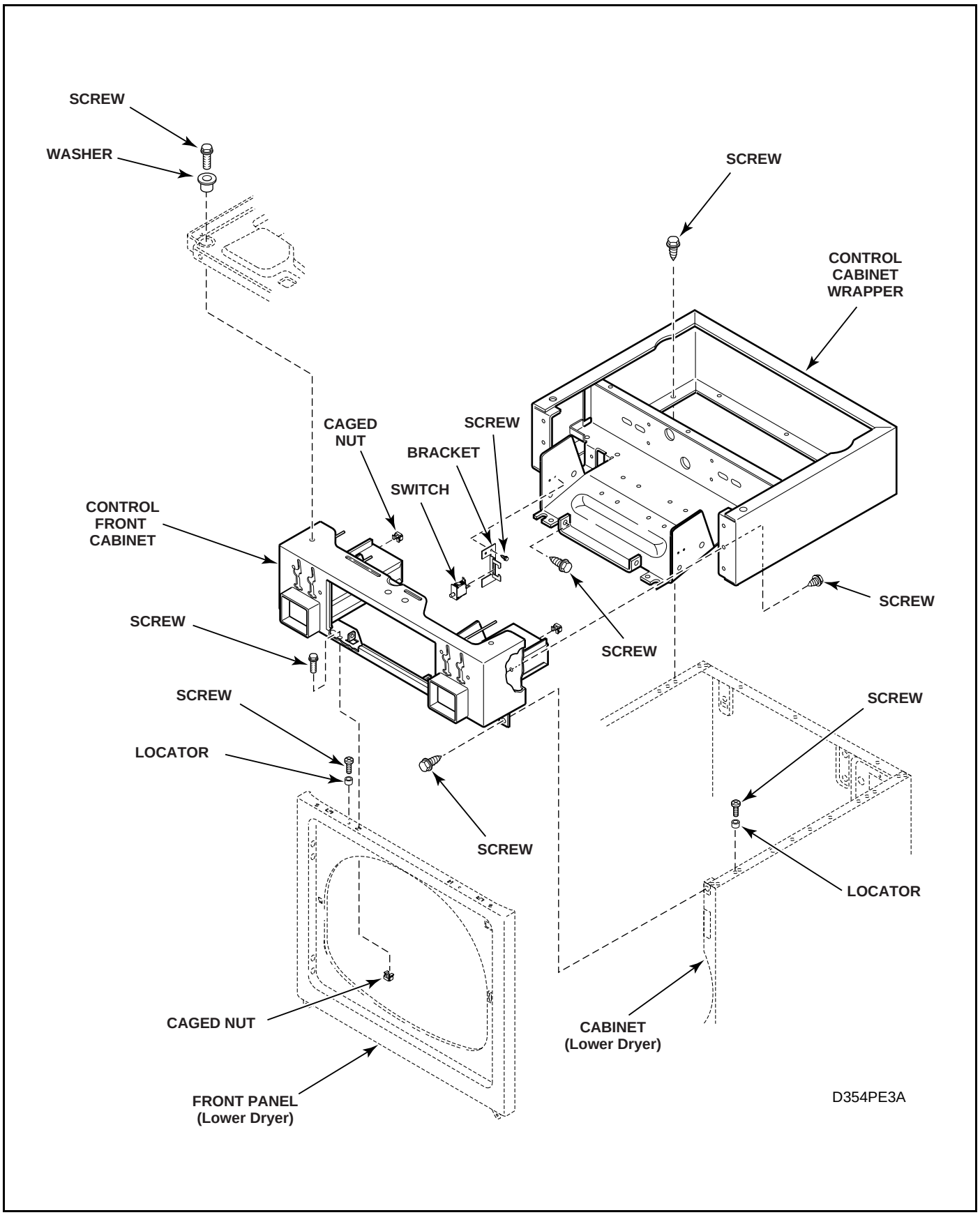


Figure 11

CONTROL CABINET

(Models SSE407*A, SSE417*A, SSE507*A, SSE517*A, SSG409*A, SSG419*A, SSG509*A and SSG519*A)

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

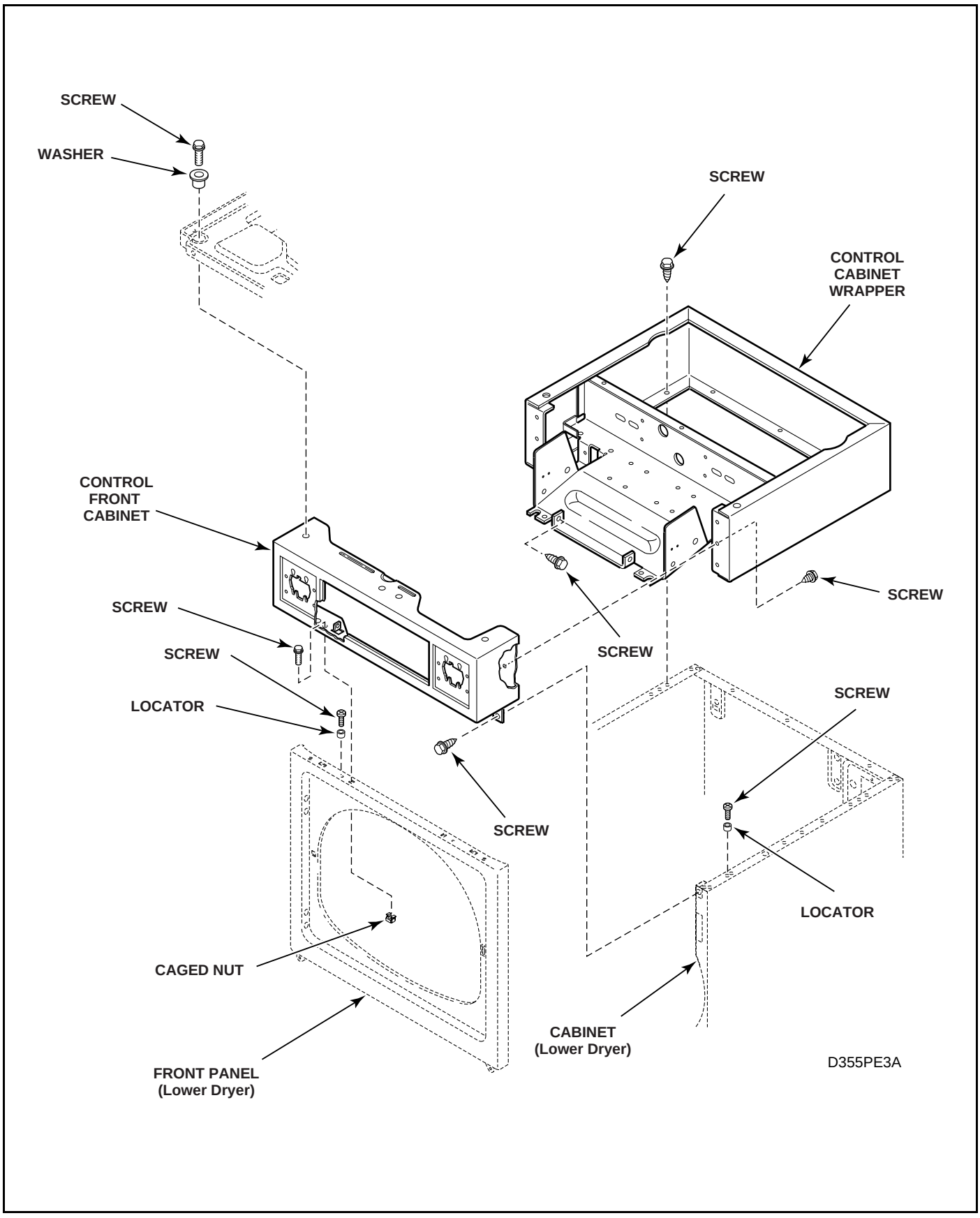


Figure 12

CONTROL CABINET
(Models SSE607*C, SSE617*C, SSG609*C and SSG619*C)

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

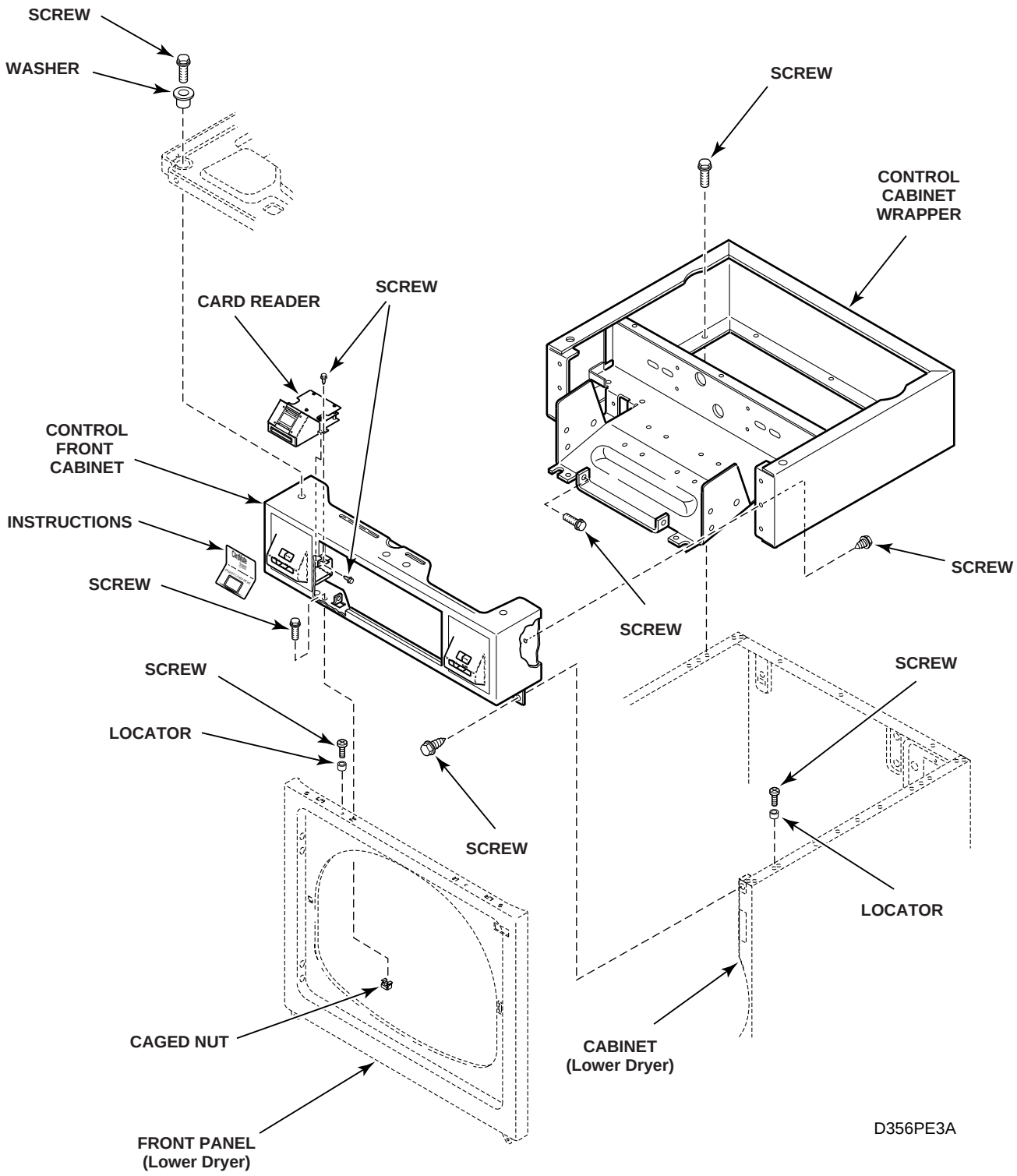


Figure 13

CONTROL CABINET
(Models SSE707*A, SSE717*A, SSG709*A and SSG719*A)

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

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

20. CONTROL PANEL OVERLAY (Electromechanical Models)

a. Removal

(1) Unlock control panel. See *Figure 5A*.

(2) Pull top of control panel away from control cabinet and lift up. See *Figure 5B*.

(3) Remove control panel from control cabinet. See *Figure 5C*.

(4) Disconnect all wires to components. See *Figure 6*.

(5) Remove ground clip holding ground wire to control panel. See *Figure 6*.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

(6) Loosen setscrew holding control knob to temperature selector switch shaft and pull knob off shaft. See *Figures 7* or *8*.

(7) Remove knurled nut holding temperature selector switch and lockwasher to panel, then remove switch and lockwasher. See *Figures 7* or *8*.

(8) Remove nut holding push-to-start switch assembly and lockwasher to panel, then remove switch and lockwasher. See *Figures 7* or *8*.

(9) Squeeze locking tabs on indicator light, then pull light out through back of panel. See *Figures 7* or *8*.

(10) Remove locknut and lockwasher holding cam to lock assembly. See *Figures 7* or *8*.

(11) Remove large locknut holding lock assembly to control panel frame and overlay, then remove lock. See *Figures 7* or *8*.

NOTE: The control panel overlay has an adhesive backing.

(12) Remove control panel overlay by carefully peeling it from the control panel frame.

b. Installation

NOTE: Before removing protective backing from new control panel overlay, make sure overlay fits on the control panel frame. Switch holes are the locating guides.

(1) Once the overlay has been fitted to the control panel frame, carefully peel the protective backing from either end of the overlay and firmly press end of overlay into place.

(2) Remove the rest of the protective backing from the overlay and firmly press the overlay into place.

(3) Reassemble components on the control panel frame.

(4) Reinstall control panel frame to control cabinet.

21. TIMER (Electromechanical Nonmetered Models)

a. Unlock control panel. See *Figure 5A*.

b. Pull top of control panel away from control cabinet and lift up. See *Figure 5B*.

c. Remove control panel from control cabinet. See *Figure 5C*.

d. Disconnect all wires to components. See Figure 6.

e. Remove ground clip holding ground wire to control panel. See *Figure 6*.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

f. Loosen setscrew holding timer knob assembly to timer shaft and pull knob off shaft. See *Figure 7*.

g. While supporting timer, remove screws holding timer to control cabinet. See *Figure 7*.

h. Pull timer out through control panel opening as far as wires will permit.

i. Disconnect wires from timer.

NOTE: Refer to appropriate wiring diagram when rewiring timer.

j. Remove ground wire from ground terminal on timer. See *Figure 3*.

WARNING

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

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

W001R1

22. ACCUMULATOR (Electromechanical Metered Models)

a. Unlock control panel. See *Figure 5A*.
b. Pull top of control panel away from control cabinet and lift up. See *Figure 5B*.
c. Remove control panel from control cabinet. See *Figure 5C*.
d. Disconnect all wires to components. See *Figure 6*.
e. Remove ground clip holding ground wire to control panel. See *Figure 6*.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

f. Reach in through control panel opening and remove screws holding accumulator and mounting bracket to the control cabinet. See *Figure 14*.
g. Disconnect wires from accumulator at the connectors.

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

h. Remove two screws holding accumulator to mounting bracket. See *Figure 14*.
i. Models with Counter (*Figure 8*)
   (1) Disconnect wire from terminal on accumulator switch "c."
   (2) Cut the other wire at the butt splice connector.
   (3) Cut harness strap holding wires to bracket.

NOTE: Harness strap must be replaced during reinstallation.

   (4) The counter(s) are mounted inside the control cabinet with two-sided tape.

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

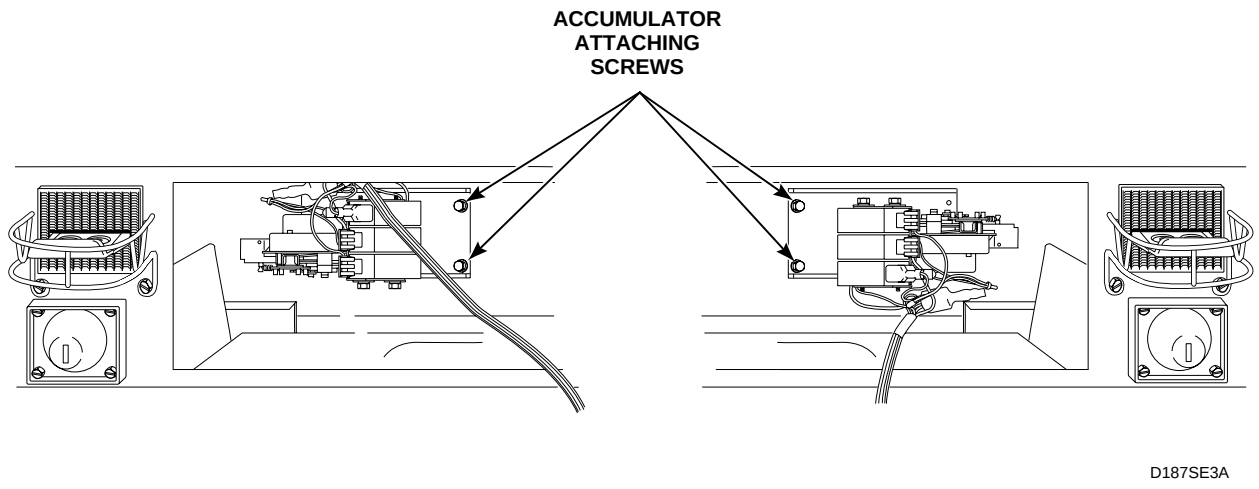


Figure 14

WARNING

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

W001R1

23. ELECTRONIC CONTROL (*Figures 15, 16 or 17*)

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. Unlock control panel. See *Figure 5A*.
b. Pull top of control panel away from control cabinet and lift up. See *Figure 5B*.
c. Remove control panel from control cabinet. See *Figure 5C*.
d. Press in on locking tabs and unplug harness disconnect blocks from backside of electronic control assembly.
e. Remove ground clip holding ground wire to control panel. See *Figure 6*.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

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

f. Remove four screws holding electronic controls assembly to backside of control panel.
g. Place the old control in the anti-static packaging material that the new control was supplied in.
h. 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.
i. 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.

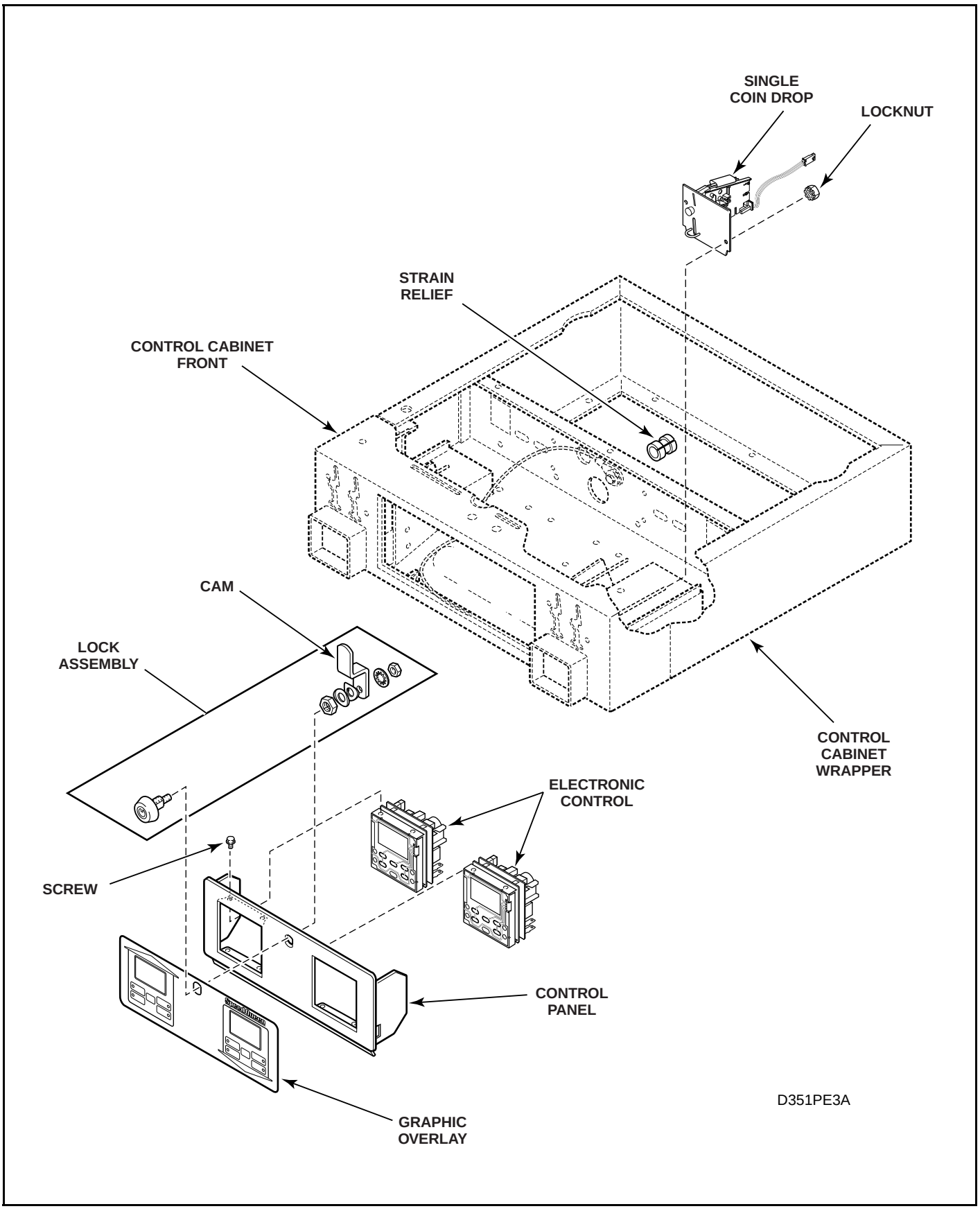


Figure 15

CONTROL PANEL AND CONTROLS
(Models SSE407*A, SSE417*A, SSE507*A, SSE517*A, SSG409*A, SSG419*A, SSG509*A and SSG519*A)

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

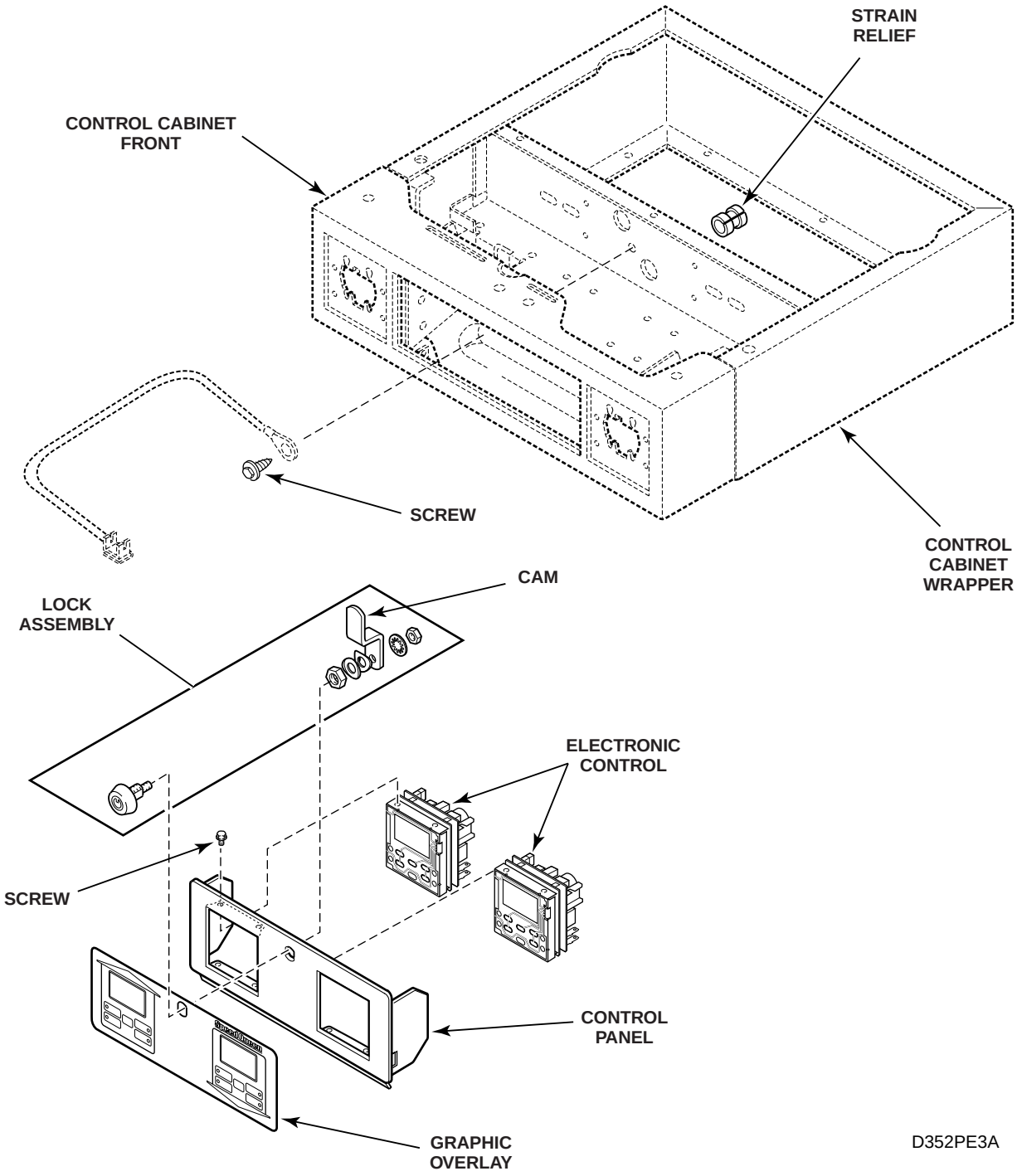


Figure 16

CONTROL PANEL AND CONTROLS
(Models SSE607*C, SSE617*C, SSG609*C and SSG619*C)

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

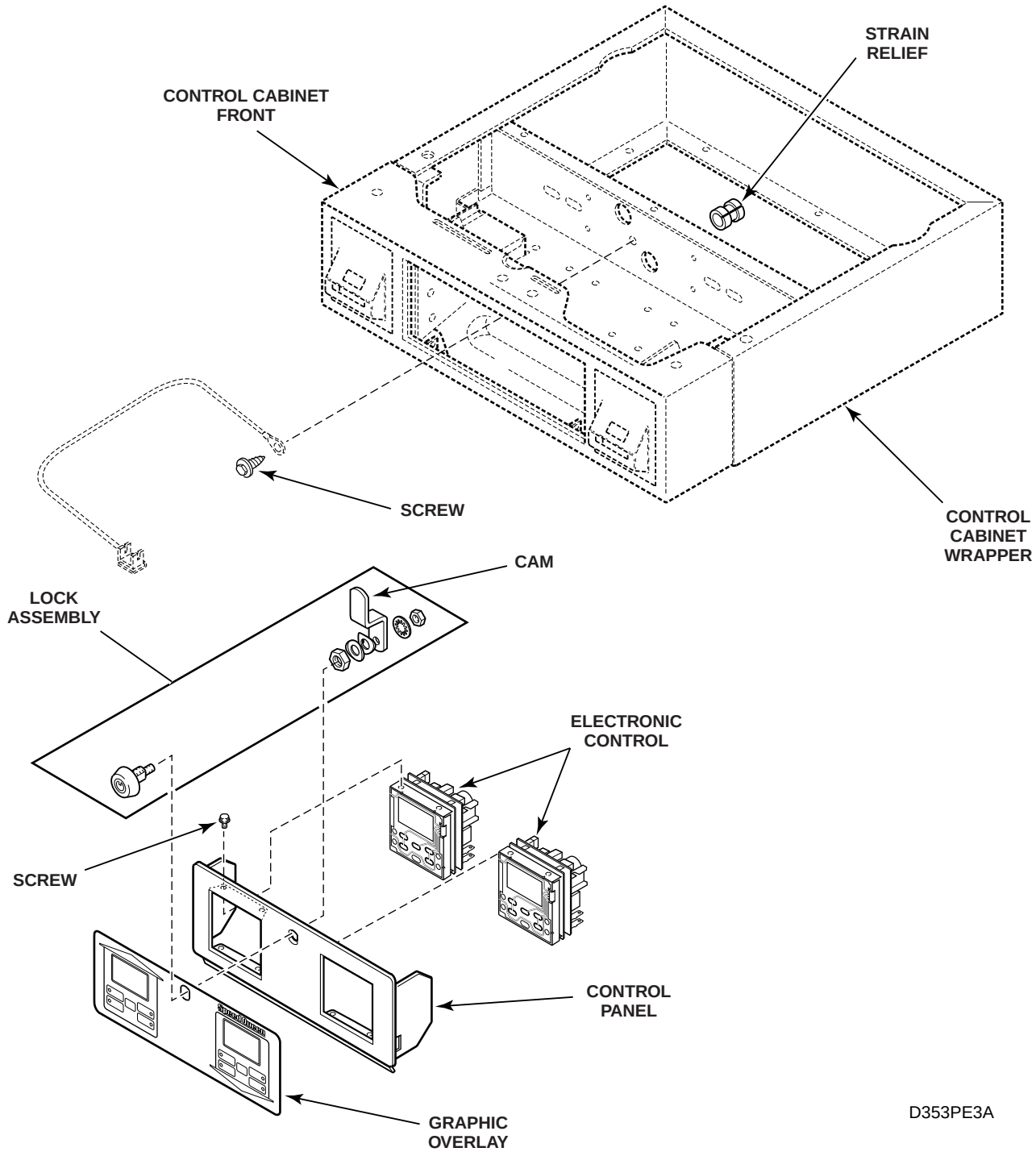


Figure 17

CONTROL PANEL AND CONTROLS
(Models SSE707*A, SSE717*A, SSG709*A and SSG719*A)

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

WARNING

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

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

W001R1

24. COIN DROP

a. Removal

(1) Unlock control panel. See *Figure 5A*.

(2) Pull top of control panel away from control cabinet and lift up. See *Figure 5B*.

(3) Remove control panel from control cabinet. See *Figure 5C*.

(4) Disconnect all wires from control panel components. See *Figure 6*.

(5) Remove ground clip holding ground wire to control panel. See *Figure 6*.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

(6) Reach into control cabinet to feel position of coin drop. Disconnect coin drop harness at disconnect plug. See *Figure 18*.

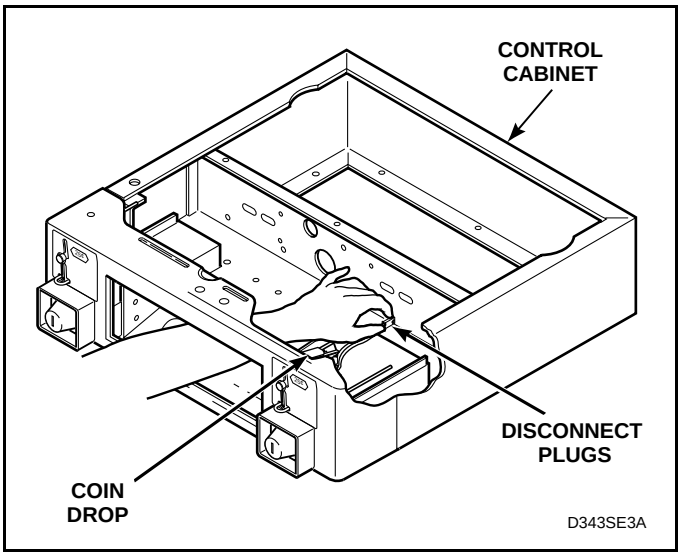


Figure 18

(7) Use a 3/8 inch square drive 7/16" socket with No. 310P4 1/4 inch Ratchet Extension Tool to remove two locknuts holding coin drop to front of control cabinet. See *Figure 19*.

NOTE: A 3/8 inch square drive socket, size 7/16", fits over the end of the 310P4 extension tool. A 1/4 inch ratchet fits in the other end.

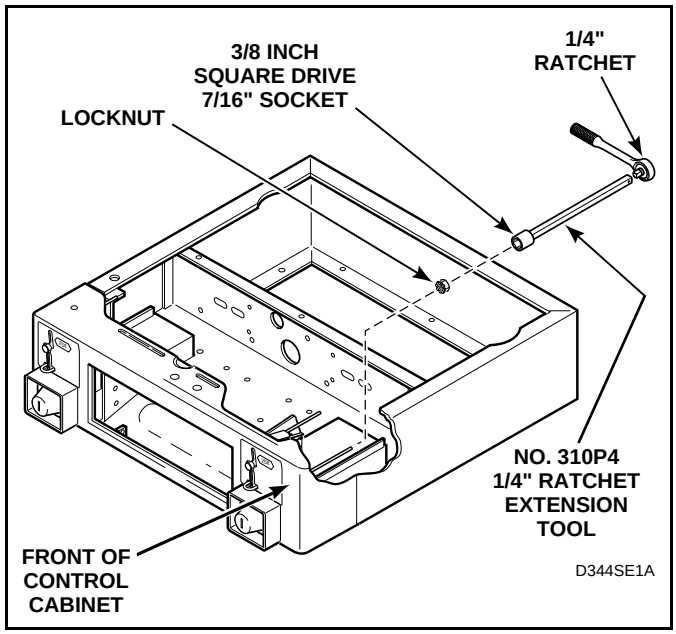


Figure 19

WARNING

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

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

W001R1

(8) Lift back end of coin drop and pull straight back until front edge of the drop's front face plate clears the two guide wires. See *Figure 20*.

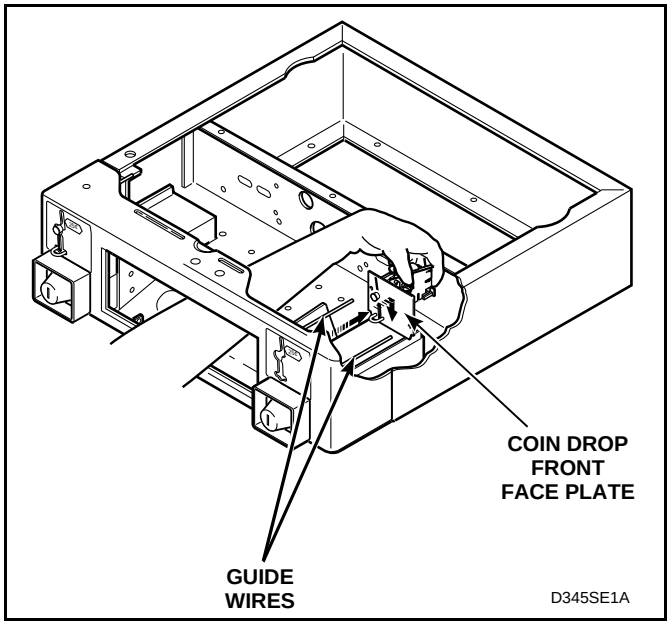


Figure 20

(9) Carefully slide drop horizontally until drop clears inside wall of control cabinet. Remove drop through front opening of control cabinet. See *Figure 21*.

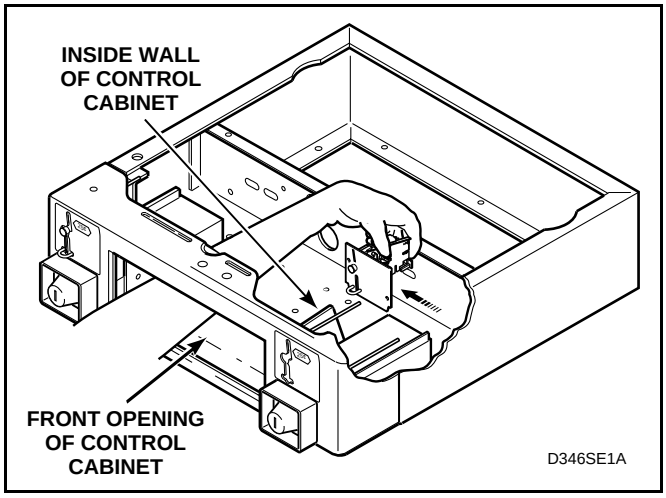


Figure 21

b. Installation

(1) Reinstall drop through front opening of control cabinet. Gently lift the drop up onto control cabinet's interior ledge. See *Figure 22*.

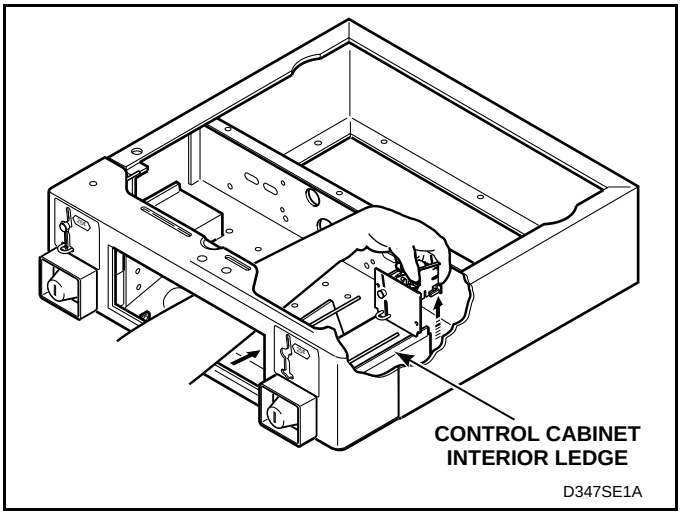


Figure 22

(2) Carefully pull coin drop slightly up and forward. Turn the outer side of coin drop's front face plate slightly to feel the outer guide wire line up and enter the front face plate's lower hole. Gently tug coin drop sideways to feel if the outer guide wire has gone through the hole. See *Figure 23*.

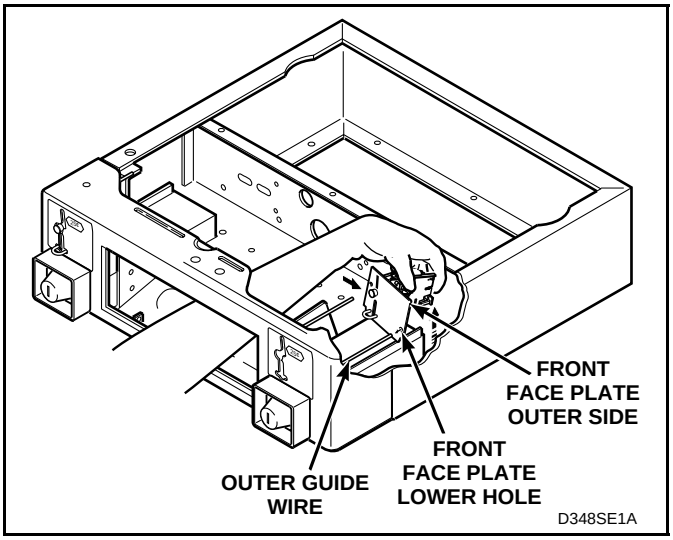


Figure 23

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) Pull the inner side of the coin drop's front face plate foreward so the inner guide wire enters the front face plate's lower hole. Gently tug coin drop sideways to feel if the inner guide wire has entered the hole. See *Figure 24*.

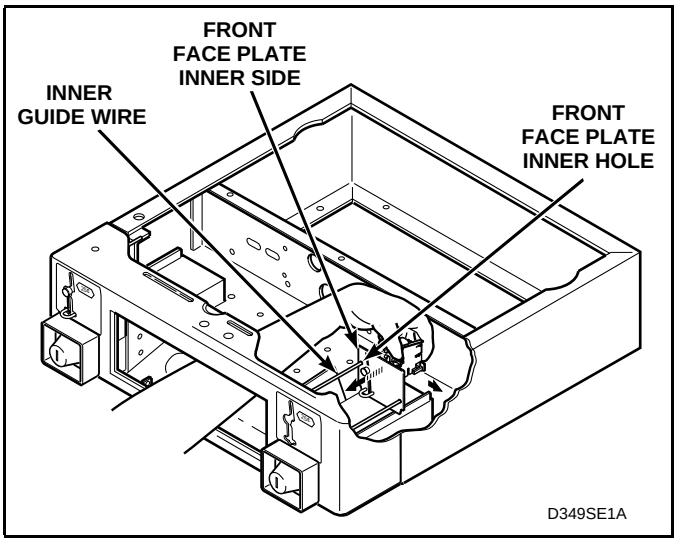


Figure 24

(4) Carefully slide coin drop foreword into position, as shown in *Figure 25*. (Front face plate of coin drop should be secure against control cabinet, with coin return stop completely through slot.)

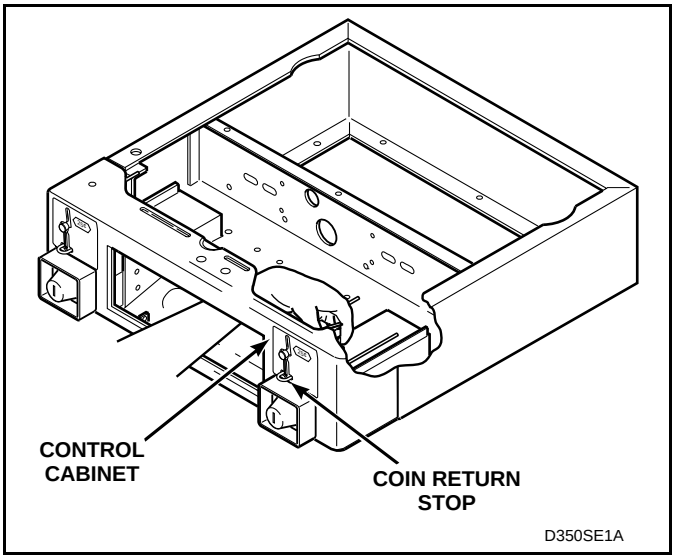


Figure 25

(5) Using a 3/8 inch square drive 7/16" socket with No. 310P4 1/4 inch Ratchet Extension Tool, reinstall locknut. Tighten locknut firmly. See *Figure 19*.

(6) Reconnect coin drop harness plug. See *Figure 18*.

(7) Reinstall ground clip holding ground wire to control panel. See *Figure 6*.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

(8) Reconnect all wires to the control panel components by referring to the appropriate wiring diagram. See *Figure 6*.

(9) Repeat procedure to service coin drop on opposite side of control cabinet.

(10) Reinstall control panel to control cabinet. See *Figure 5*.

(11) Lock control panel.

25. CARD READER

a. Unlock control panel. See *Figure 5A*.

b. Pull top of control panel away from control cabinet and lift up. See *Figure 5B*.

c. Remove control panel from control cabinet. See *Figure 5C*.

d. Disconnect all wires to components. See *Figure 6*.

e. Remove ground clip holding ground wire to control panel. See *Figure 6*.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

f. Remove screws holding card reader to control cabinet. See *Figure 13*.

g. Disconnect wires from card reader at the connectors.

NOTE: Refer to appropriate wiring diagram when rewiring the card reader.

h. Carefully remove card reader through control panel opening. See *Figure 13*.

WARNING

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

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

W001R1

26. CABINET TOP (Upper Dryer)

a. While supporting the upper access panel, remove two screws from bottom edge of upper access panel. See *Figure 4*.
b. Gently lower access panel to disengage panel locators from bottom edge of access panel. See *Figure 4*.
c. Remove two screws holding bottom tabs on front panel to lower dryer cabinet. See *Figures 13* through *16*.
d. Swing bottom of front panel away from lower dryer to disengage hold-down clips and locators from control cabinet.
e. Disconnect wires from door switch. See *Figure 9*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

f. Remove two screws holding cabinet top to front flange of cabinet. See *Figure 26*.
g. 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.

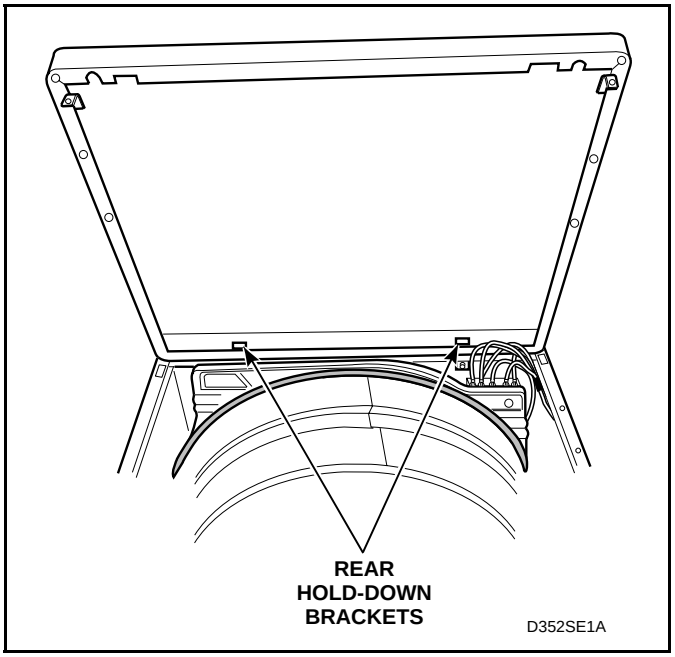


Figure 27

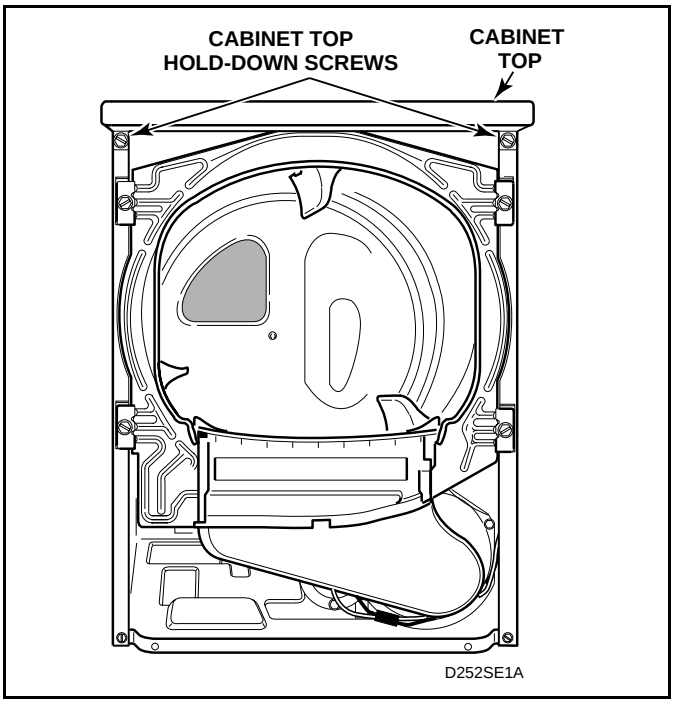


Figure 26

WARNING

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

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

W001R1

27. LINT FILTER (*Figure 28*)

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

b. 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.

28. LOADING DOOR AND DOOR HINGE

a. Open loading door.

b. Remove screws holding loading door to hinges. See *Figure 28*.

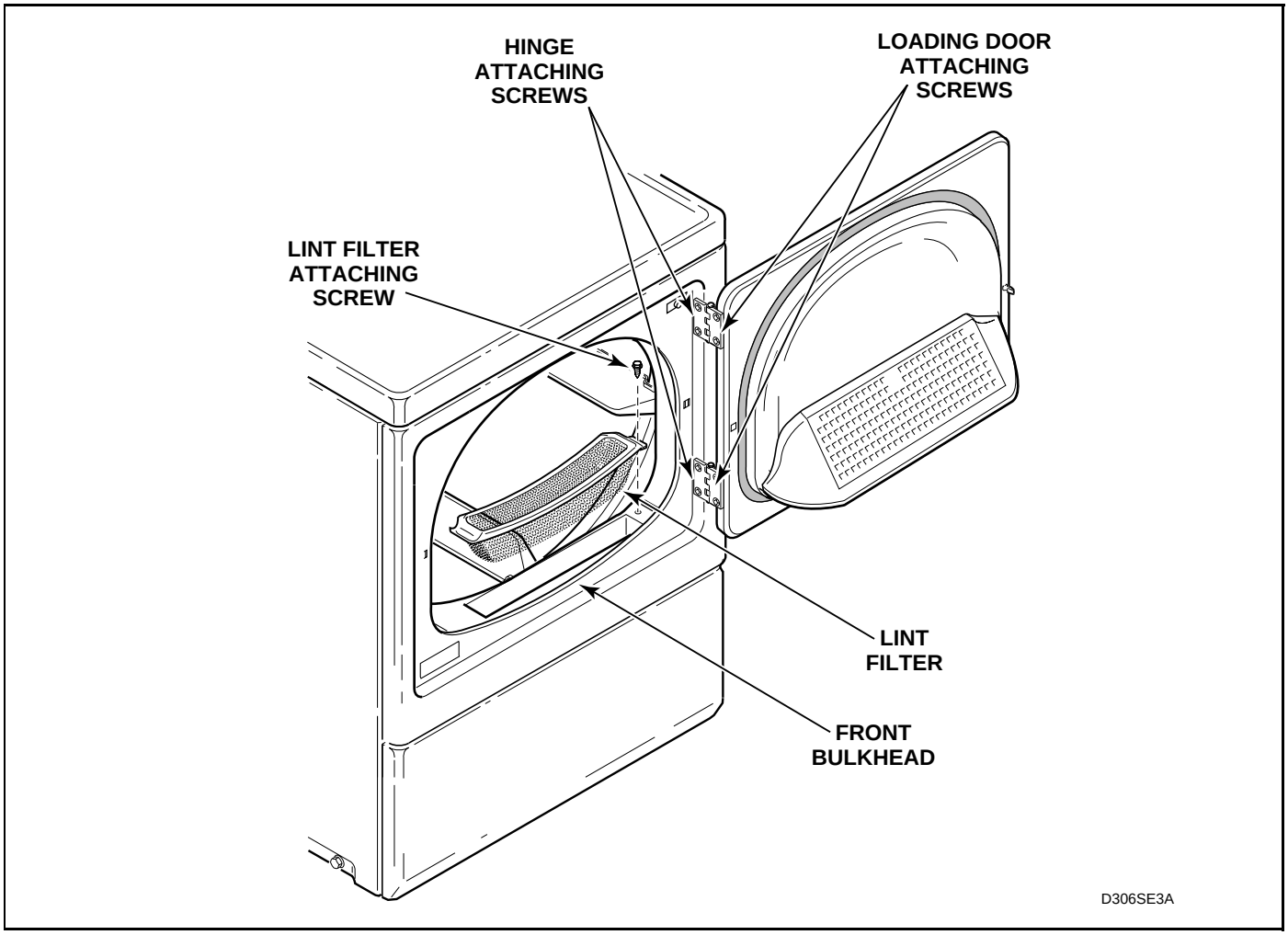
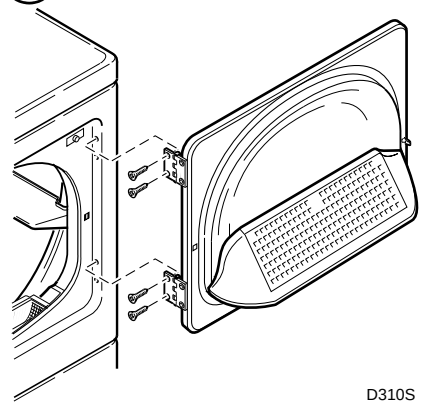


Figure 28

Reversing Door Procedure . . .

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

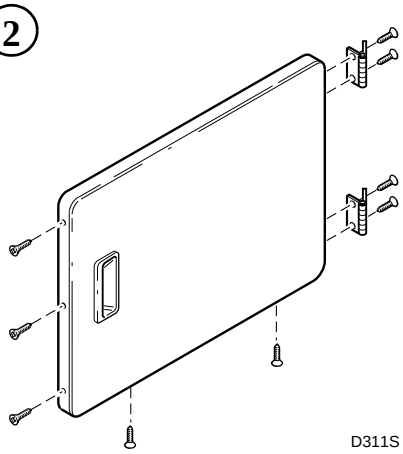
1



D310S

Remove four hinge attaching screws.

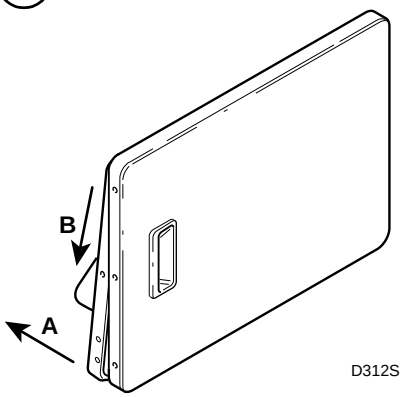
2



D311S

Remove all nine screws.

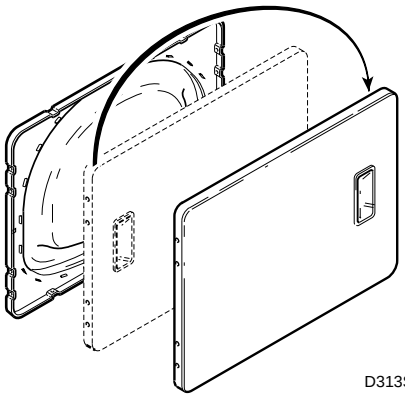
3



D312S

Pull bottom of door liner out, then pull down, removing door liner from door panel.

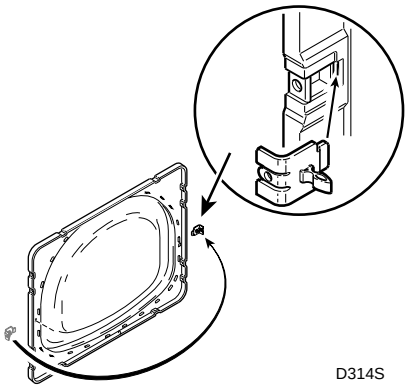
4



D313S

Rotate door panel 180 degrees as shown.

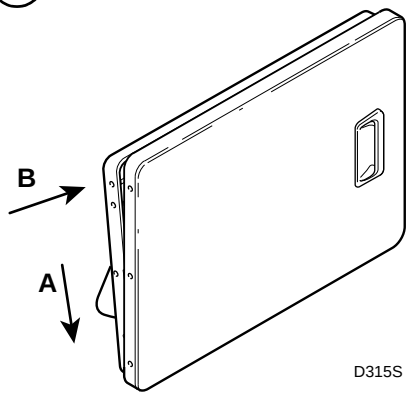
5



D314S

Remove door strike from door liner and reinstall on opposite side.

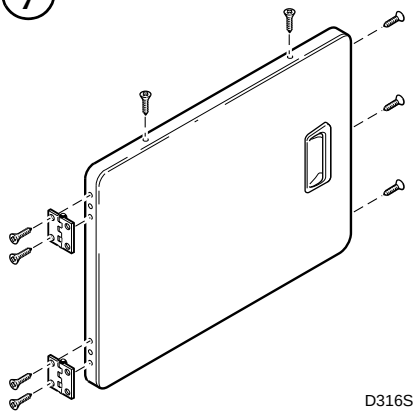
6



D315S

Insert liner under flange on bottom of door, then push top of door liner into place.

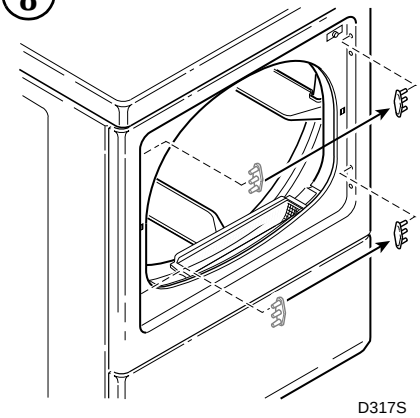
7



D316S

Reinstall nine screws removed in Step 2.

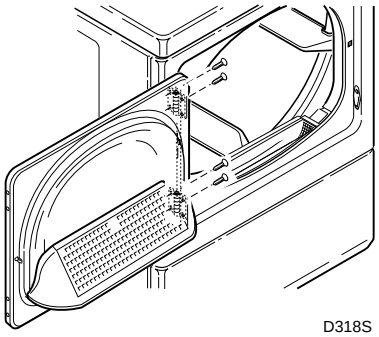
8



D317S

Using a screwdriver, remove two door plugs, and reinstall on opposite side of door opening.

9



D318S

Reinstall four hinge attaching screws removed in Step 1.

Figure 29

WARNING

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

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

W001R1

29. INNER AND OUTER DOOR PANELS AND DOOR PULL

a. Remove four screws holding door assembly to hinges. See *Figure 28*.
b. Remove remaining screws around the door perimeter and separate panels. See Figure 30.
c. Remove wedge (located behind door pull) by carefully prying up on center of wedge. See *Figure 30*.
d. Remove door pull. See *Figure 30*.

30. DOOR STRIKE (*Figure 30*)

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.

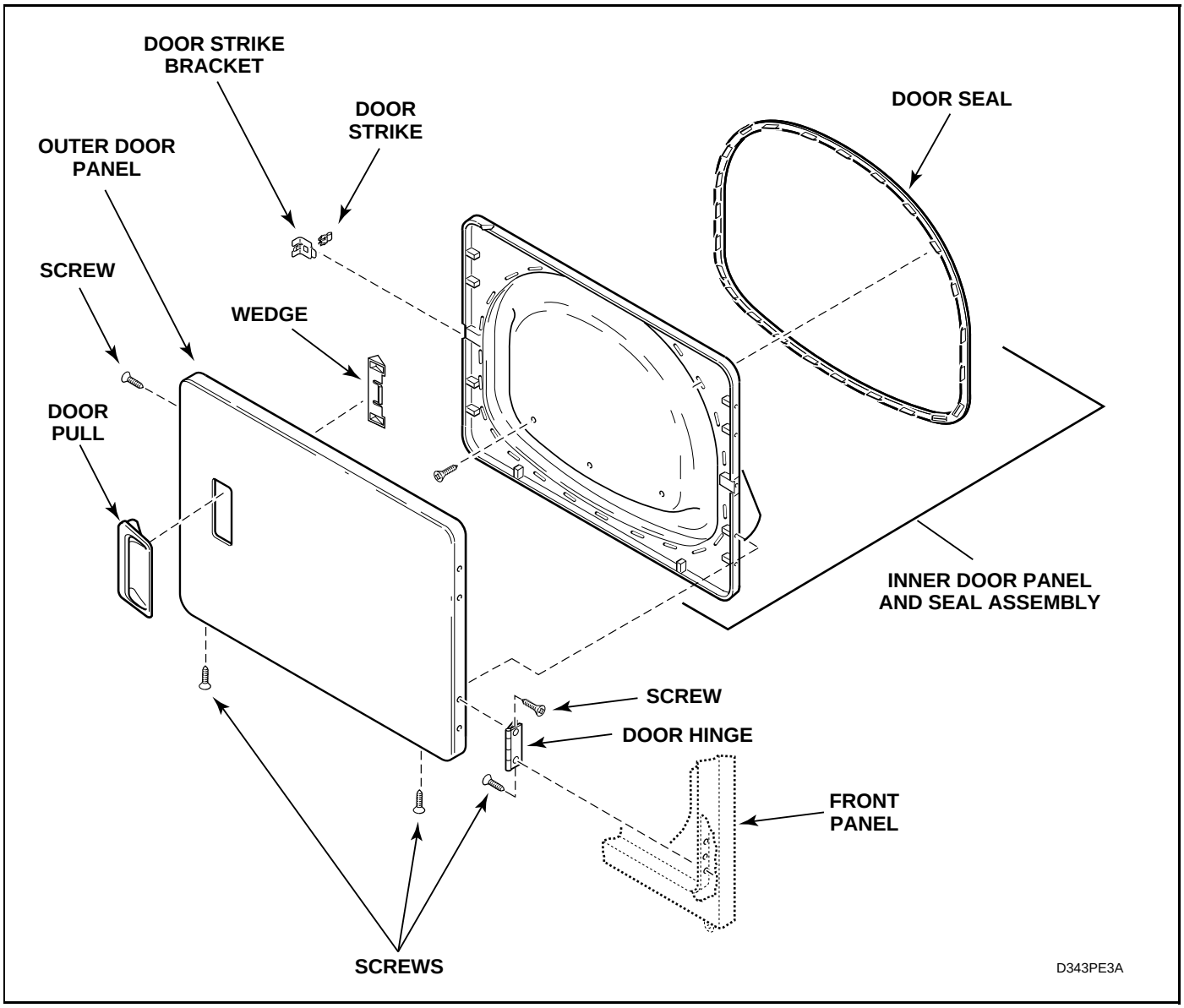


Figure 30

WARNING

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

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

W001R1

31. DOOR SEAL (*Figure 31*)

a. Remove inner door panel from outer door panel. See *Paragraph 29*.

b. 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 31*.

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 31*. 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.

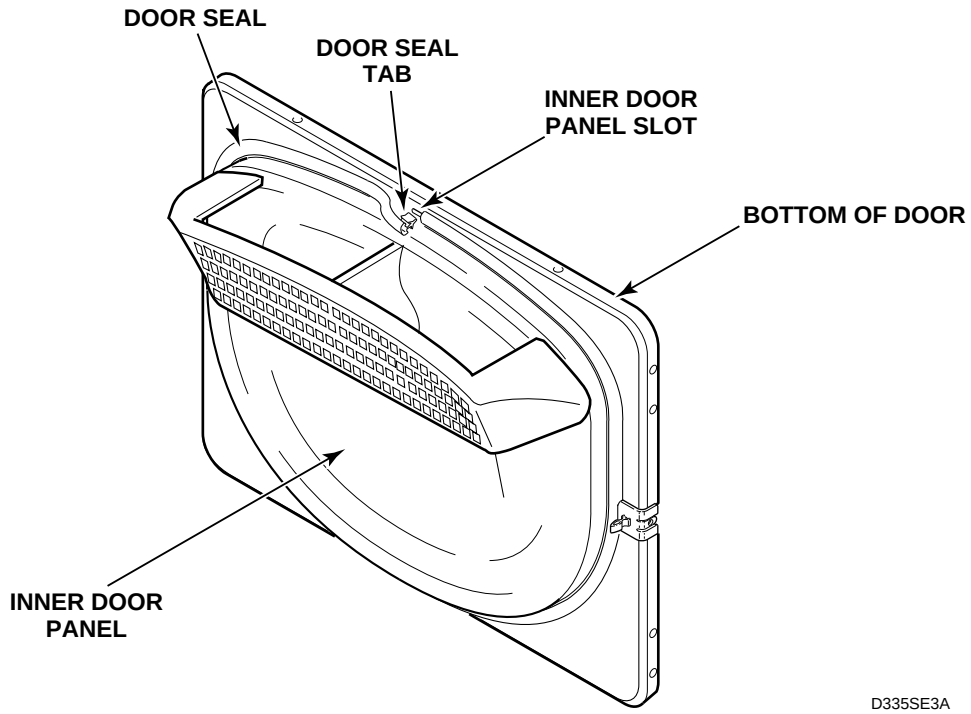


Figure 31

WARNING

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

W001R1

32. FRONT PANEL AND PANEL SEAL (*Figure 33*)

a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 4*.
b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 33*.

NOTE: Some models may have security cap screws installed. Security cap screws are located in the control cabinet behind the control panel. Unlock and remove control panel to see if these screws are present. See *Figure 5***. If security cap screws are present, remove them.**

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. See *Figure 32*.

NOTE: Refer to appropriate 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.

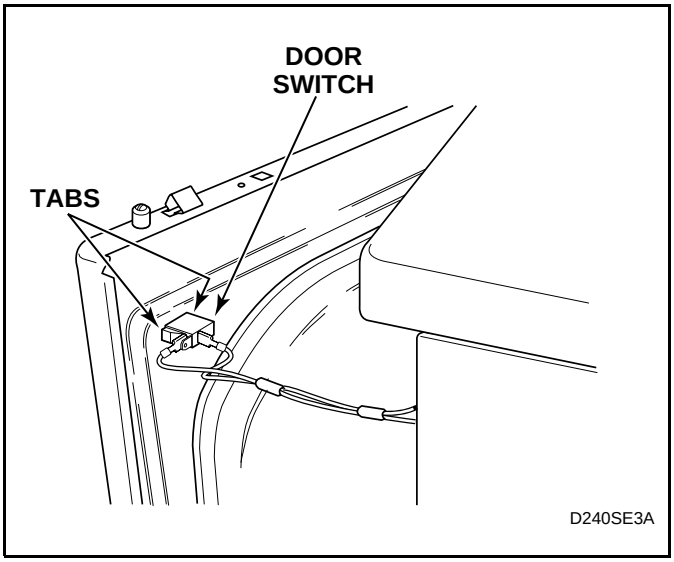


Figure 32

33. DOOR SWITCH

a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 4*.
b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 33*.
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 32*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

e. Depress tabs on switch and push out of front panel. See *Figure 32*.

34. DOOR CATCH (*Figure 33*)

a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 4*.
b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 33*.
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. See *Figure 32*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

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

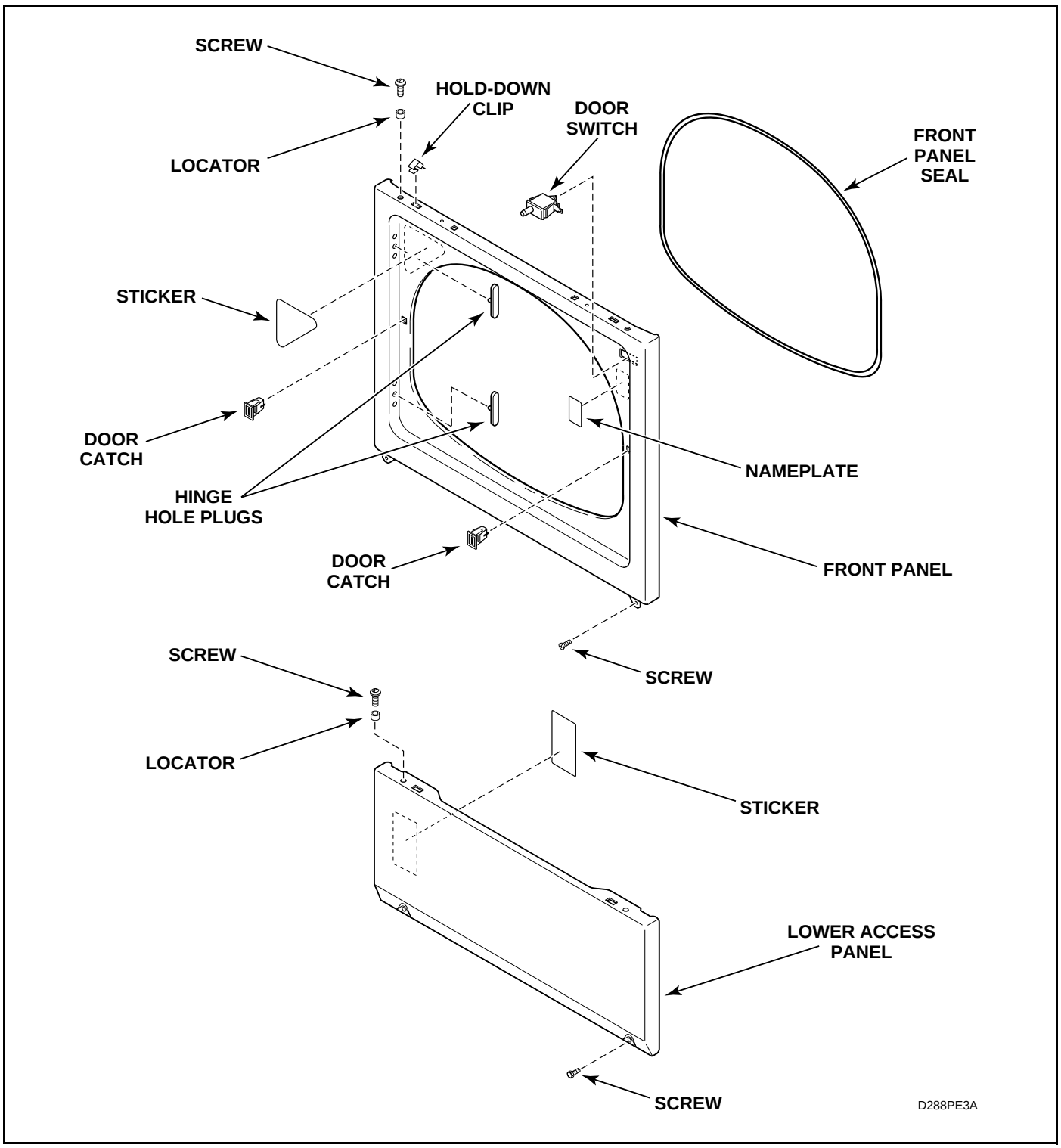

SCREW
HOLD-DOWN CLIP
DOOR SWITCH
FRONT PANEL SEAL
LOCATOR
STICKER
DOOR CATCH
HINGE HOLE PLUGS
NAMEPLATE
DOOR CATCH
FRONT PANEL
SCREW
SCREW
LOCATOR
STICKER
LOWER ACCESS PANEL
SCREW
D288PE3A

Figure 33

WARNING

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

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

W001R1

35. DOOR HINGE (*Figure 34*)

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.

36. HOLD-DOWN CLIPS AND LOCATORS (*Figure 33*)

a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 4*.
b. Gently lower the access panel to disengage locators from bottom edge of 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. See *Figure 32*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

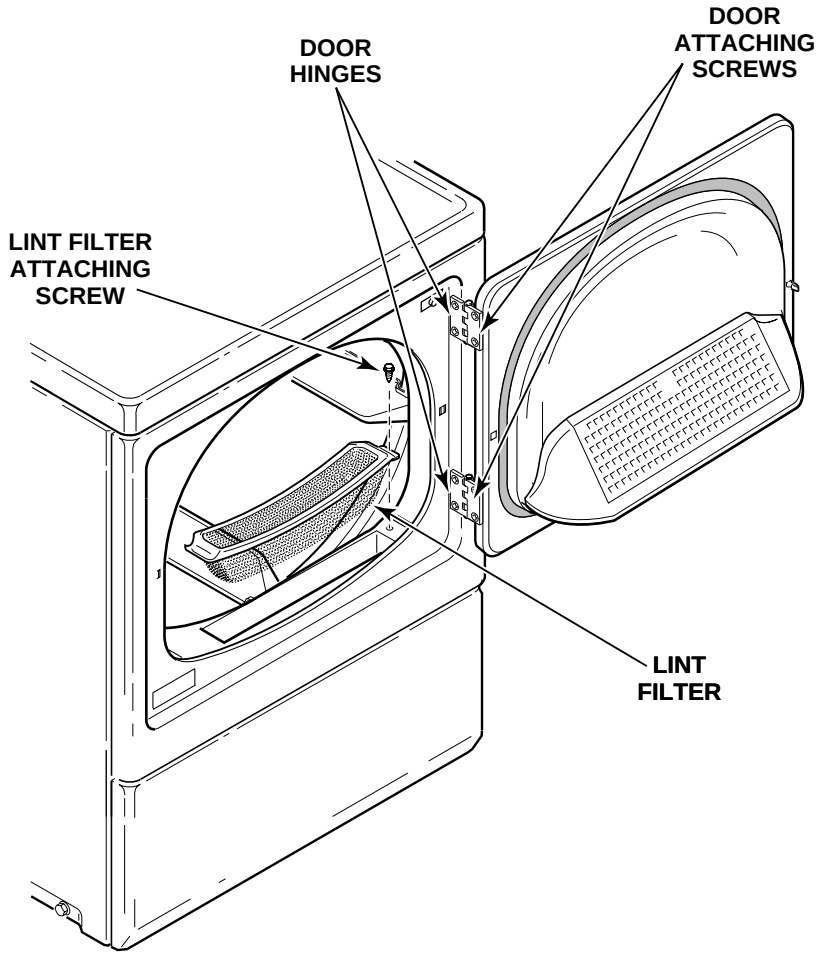


Figure 34

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

37. 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 4*.

(2) Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 33*.

(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 35*.

(4) Disconnect gas shut-off valve from gas valve at the union nut. See *Figure 35*.

(5) Remove three screws holding valve and mounting bracket to base. See *Figure 35*.

(6) Lift gas valve and mounting bracket from base. See *Figure 35*.

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

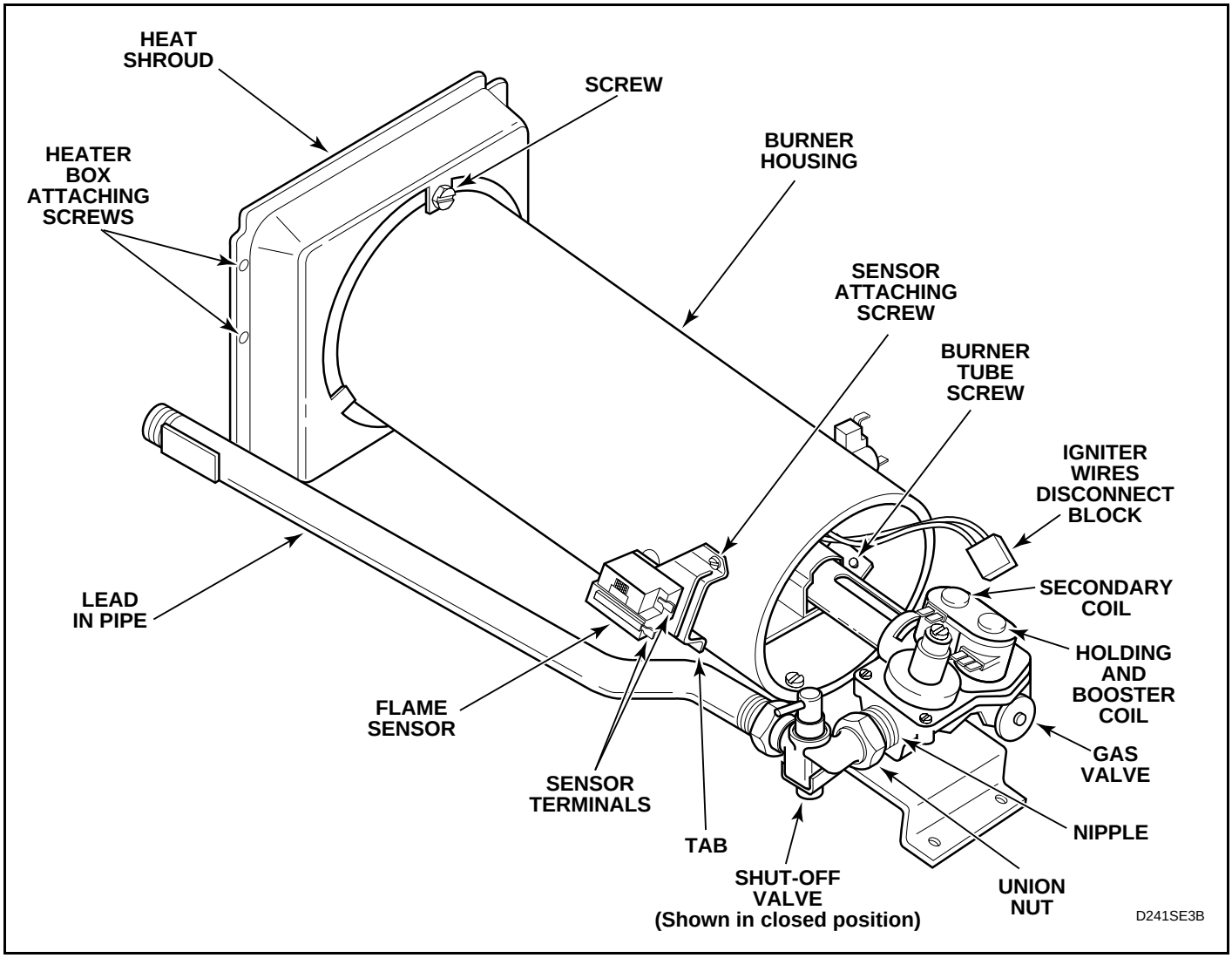


Figure 35

WARNING

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

W001R1

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 35*.

(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 36*.

IMPORTANT: Use care while removing igniter to avoid damage. 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 it to be contaminated by oil, grease or other foreign material. Oil, grease and other impurities or hairline cracks will cause the igniter to burn out.

c. **Flame Sensor**

(1) While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 4*.

(2) Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 33*.

(3) Remove wires from flame sensor terminals. See *Figure 35*.

(4) Remove screw holding flame sensor to burner housing. See *Figure 35*.

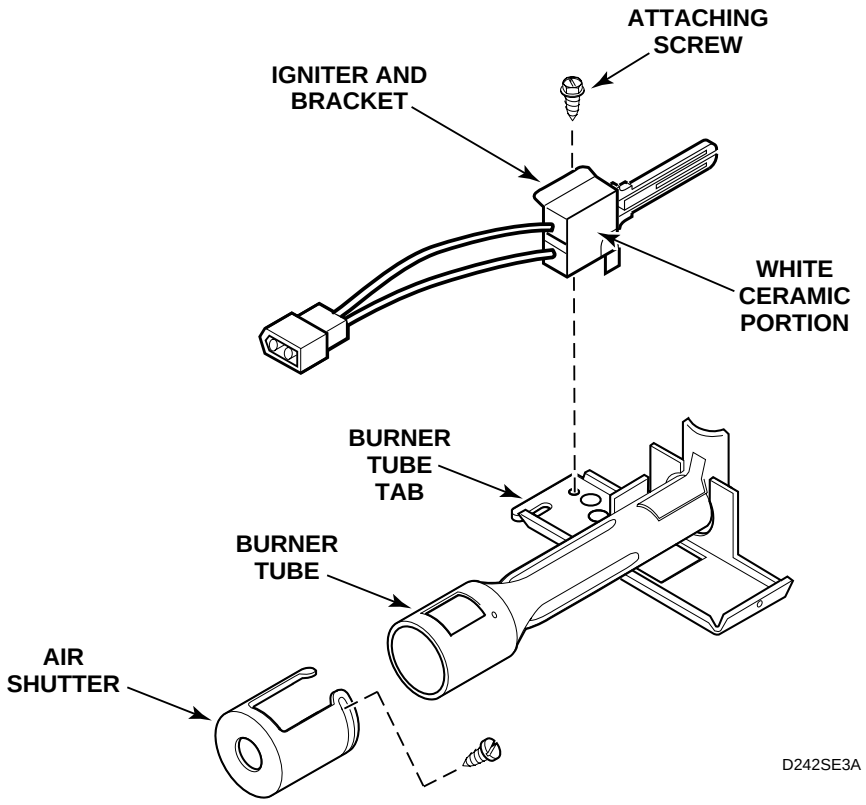


Figure 36

WARNING

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

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

W001R1

38. BURNER HOUSING AND HEAT SHROUD (Gas Models)

a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 4*.
b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 33*.
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 35*.
d. Remove screw from right side of burner housing, while holding burner tube in place. See *Figure 37*.
e. Gently move burner tube toward rear of dryer to disengage tab from slot on left side of burner housing. See *Figure 35*.
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 35*.
i. Remove screw holding front of burner housing to dryer base and remove housing out through front of dryer. See *Figure 37*.
j. Remove two screws holding heat shroud to heater box and take heat shroud out through front of dryer.

39. LIMIT THERMOSTAT

a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 4*.
b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 33*.
c. Disconnect wires and remove screws holding limit thermostat to burner housing (gas models) or element plate (electric models). See *Figure 37*.

40. HEATING ELEMENT (Electric Models)

a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 4*.
b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 33*.
c. Remove two screws holding element and plate to heater box and remove element and plate out through front of dryer. See *Figure 37*.
d. Disconnect wires from element and plate. See *Figure 37*.

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

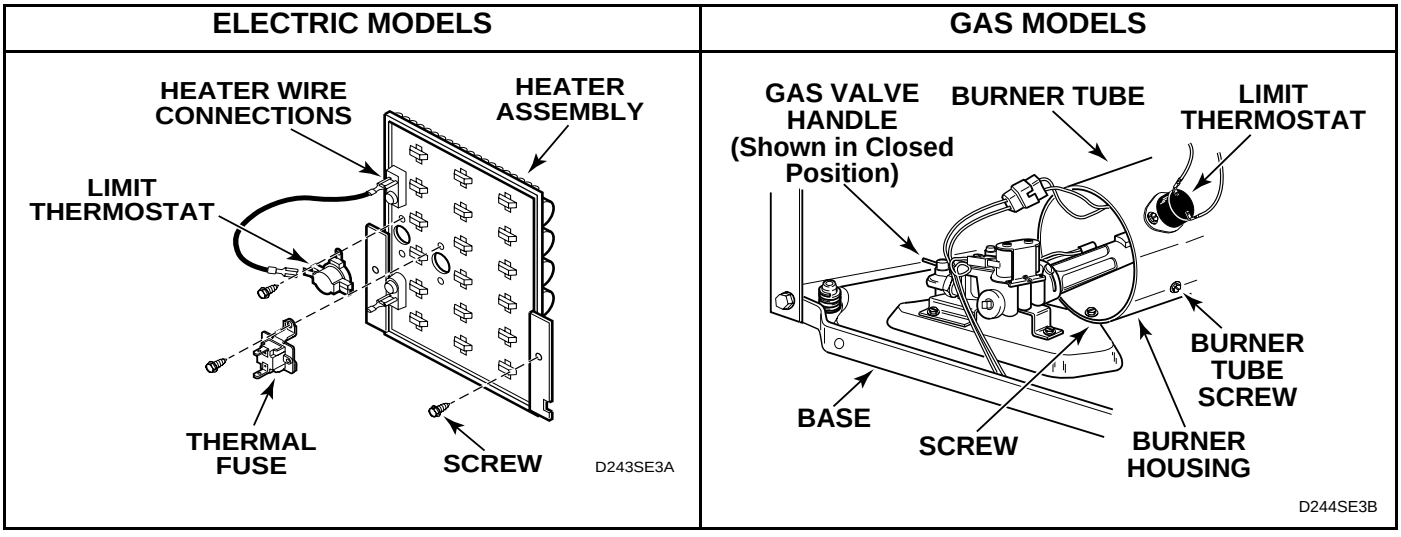


Figure 37

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.**

W001R1

41. THERMISTOR OR THERMOSTAT

a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 4*.

b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 33*.

c. Disconnect wires and remove thermostat or thermistor attaching screws. See *Figure 37*.

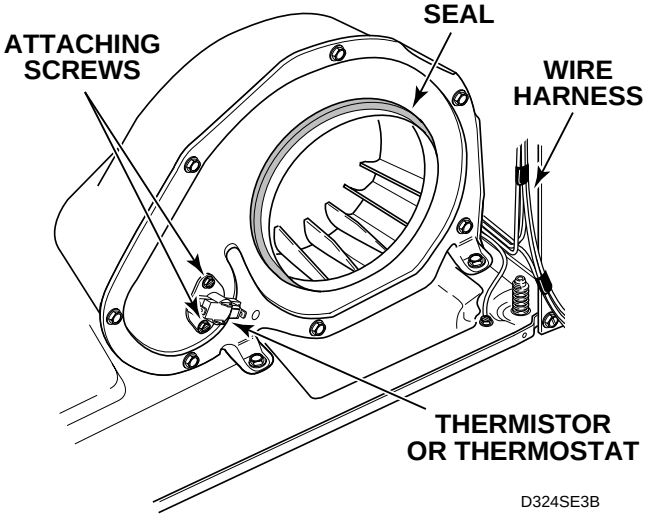


Figure 38

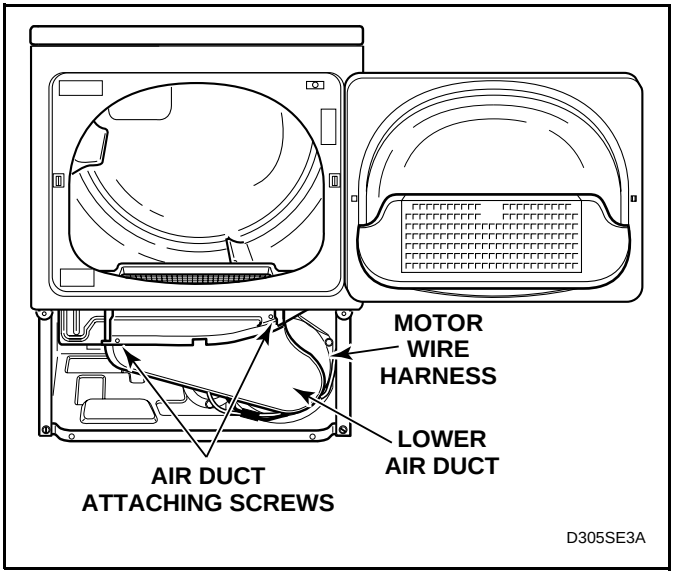


Figure 39

42. AIR DUCT

a. Lower Air Duct

(1) While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 4*.

(2) Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 33*.

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 39*.

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 38***. 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) While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 4*.

(2) Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 33*.

(3) Remove three screws holding upper air duct to lower air duct.

(4) Remove three screws holding upper air duct to front bulkhead.

(5) 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

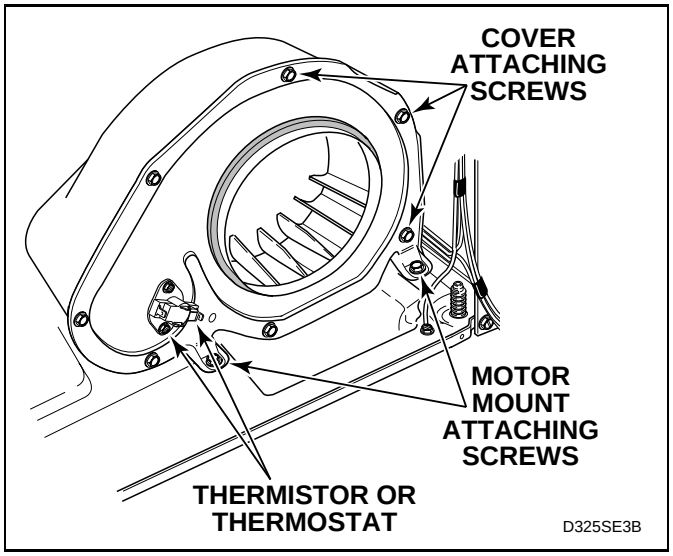


Figure 40

43. MOTOR AND EXHAUST ASSEMBLY

a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 4*.

b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 33*.

c. Open loading door, remove screw, and lift filter out of bulkhead.

d. Remove screws holding lower air duct to upper air duct and remove lower air duct. See *Figure 39*.

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 40*. If the seal is installed improperly, the airflow through the exhaust system will be restricted, which can adversely affect dryer performance.

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

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

f. Remove cylinder belt from idler and motor pulleys. See *Figure 41*.

g. 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 44* and *45*.

h. Remove two screws holding motor mounting bracket to dryer base. See *Figure 40*.

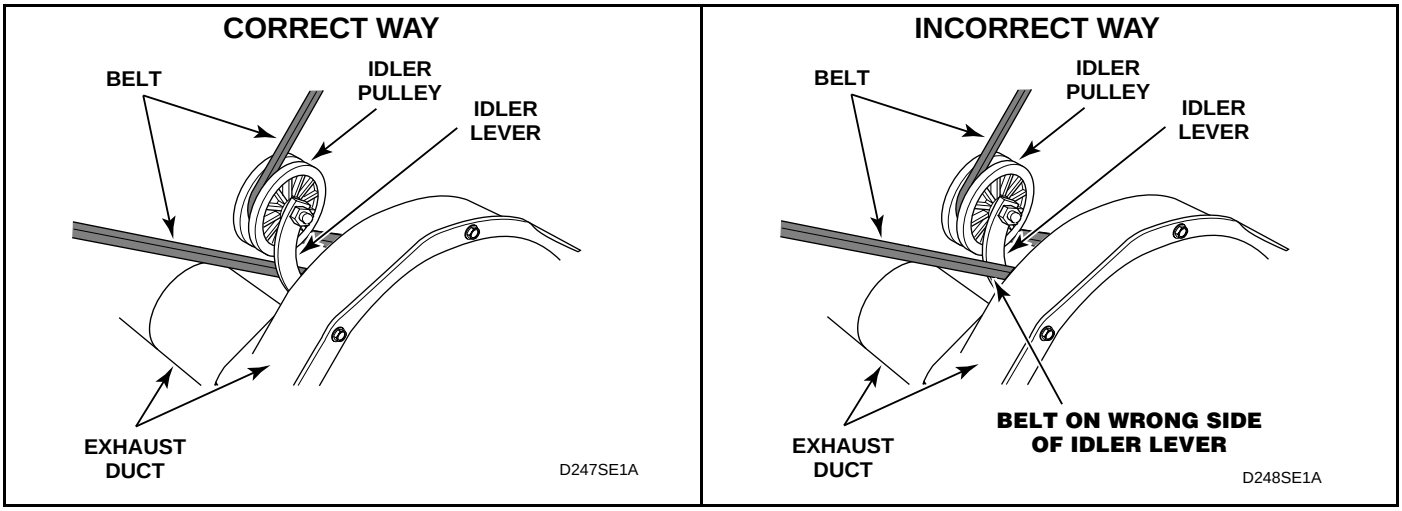


Figure 41

WARNING

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

W001R1

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 38***. 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 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 41***.**

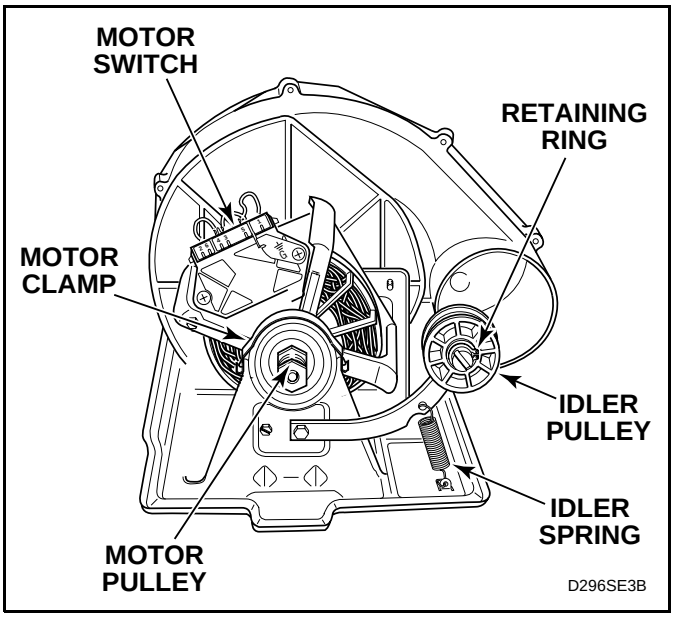


Figure 42

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 42* 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.

l. **Impeller and housing.**
(1) Remove screws holding cover to housing. See *Figure 40*.
(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 43*.

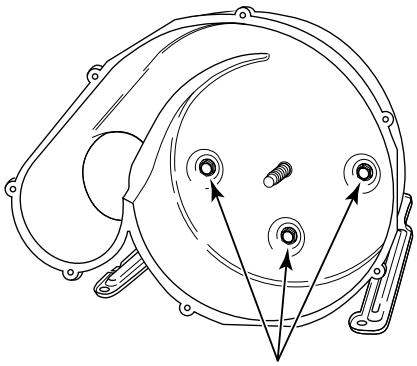


Figure 43

WARNING

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

W001R1

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 44*.

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.

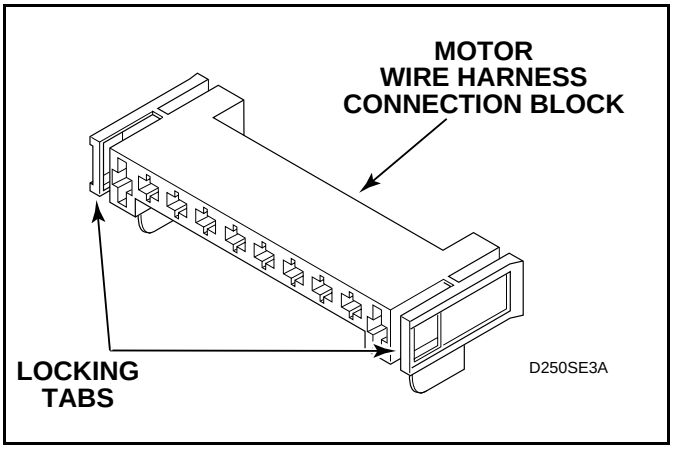


Figure 44

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, then lift motor out of mounting bracket. See *Figure 42*.

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.

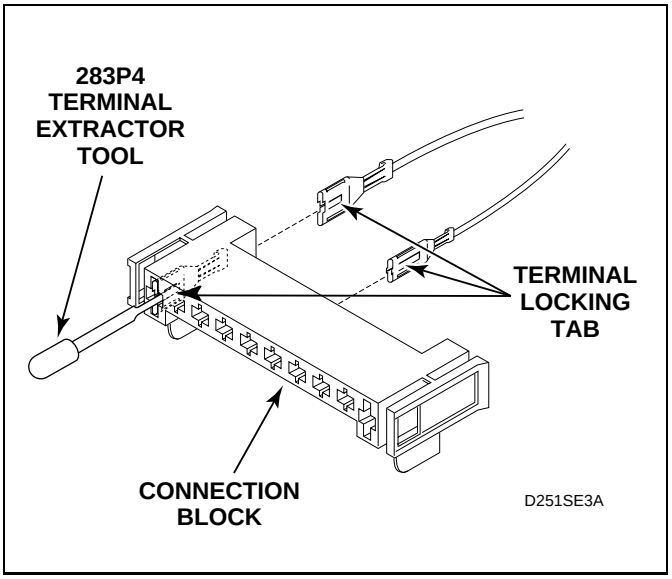


Figure 45

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 45*.

(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 45*.

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

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

44. FRONT BULKHEAD ASSEMBLY

a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 4*.
b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 33*.
c. Remove two screws holding bottom tabs on front panel to dryer side panels. See *Figure 33*. 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 32*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

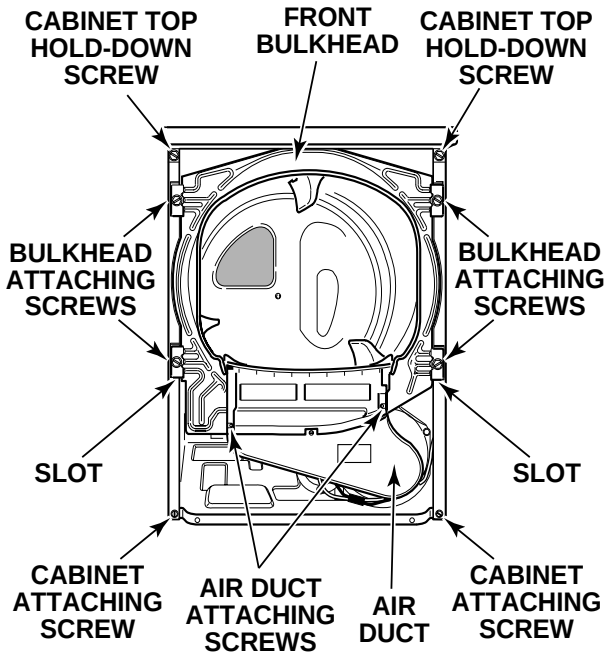


Figure 46

WARNING

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

e. Disengage belt from motor and idler pulley. See *Figure 41*.
f. Remove four screws holding bulkhead to front flange of cabinet and lift complete bulkhead assembly out of slots in cabinet. See *Figure 46*.
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 38***. 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 47*.
   (1) Unsnap glide from each glide bracket.
   (2) Drill out rivets holding glide bracket to front bulkhead.

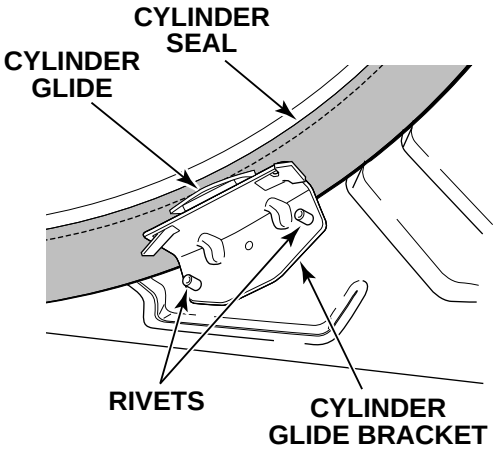


Figure 47

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

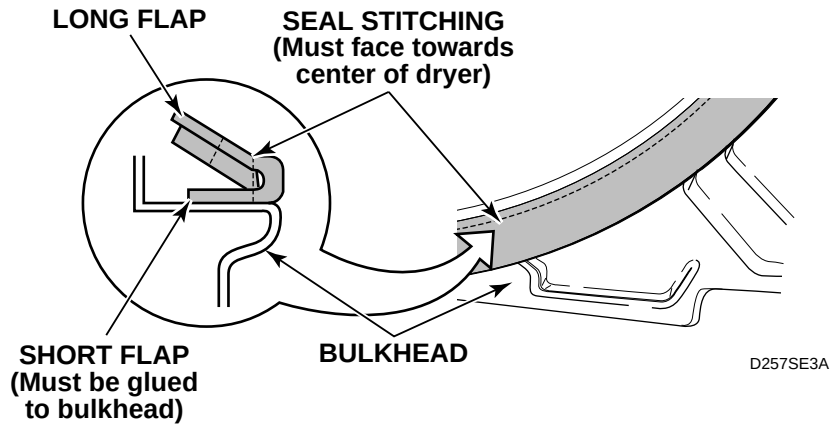


Figure 48

i. Front Cylinder Seal (*Figure 48*)
When installing the cylinder seal, it is important to remember these two important 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

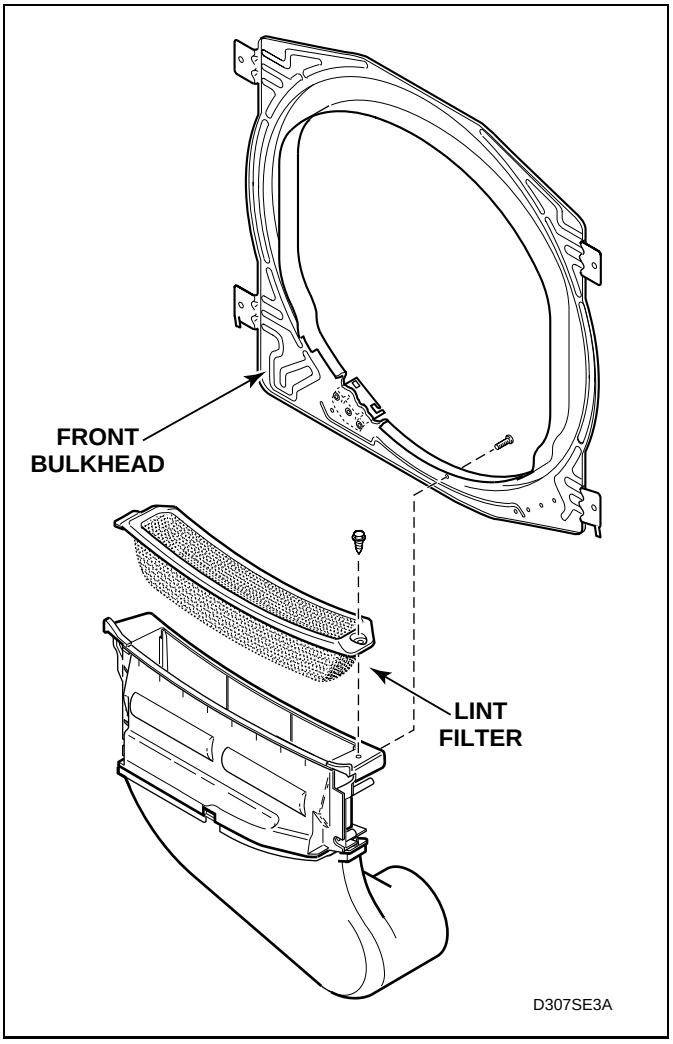


Figure 49

45. CYLINDER BELT

a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 4*.

b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 33*.

c. Remove two screws holding bottom tabs on front panel to dryer side panels. See *Figure 33*. 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 32*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

e. Disengage belt from motor and idler pulleys. See *Figure 41*.

f. Remove four screws holding bulkhead to front flange of cabinet. Then, lift complete bulkhead assembly out of slots in cabinet. See *Figure 46*.

WARNING

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

IMPORTANT: When reassembling, be sure seal on exhaust fan cover makes airtight seal on flange of duct. See *Figure 38***. 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 41***. Belt must be positioned around center section of cylinder approximately three inches ahead of rear rib on cylinder. See** *Figure 50***. 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

46. CYLINDER ASSEMBLY

a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 4*.

b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 33*.

c. Remove two screws holding bottom tabs on front panel to dryer side panels. See *Figure 33*. 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 32*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

e. Disengage belt from motor and idler pulleys. See *Figure 41*.

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 41. 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 50***. 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 46*.

WARNING

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

W005

IMPORTANT: When reassembling, be sure seal on exhaust fan cover makes airtight seal on flange of duct. See *Figure 38***. 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 46*.

h. Carefully remove cylinder out through front of dryer.

i. Baffles – Remove screws holding baffles to cylinder. See *Figure 50*.

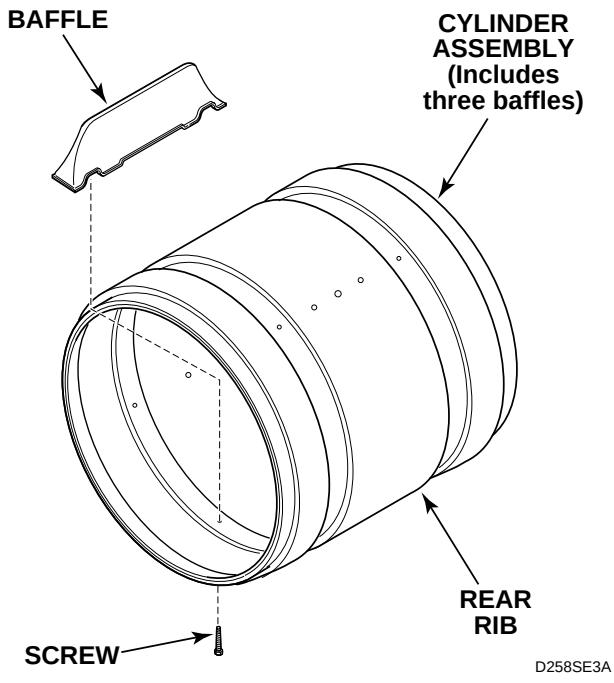


Figure 50

WARNING

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

W001R1

47. REAR SEAL

a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 4*.

b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 33*.

c. Remove two screws holding bottom tabs on front panel to dryer side panels. See *Figure 33*. 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 32*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

e. Remove two cabinet top hold-down screws. See *Figure 46*.

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 41***. 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 50***. After installing belt, manually rotate cylinder counterclockwise to check that belt is properly aligned.**

h. Remove four screws holding bulkhead to front flange of cabinet. Then, lift complete bulkhead assembly out of slots in cabinet. See *Figure 46*.

WARNING

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

W005

IMPORTANT: When reassembling, be sure seal on exhaust fan cover makes airtight seal on flange of duct. See *Figure 38***. 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 51*.

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 48***.**

(2) The short flap, shown in *Figure 48***, 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.

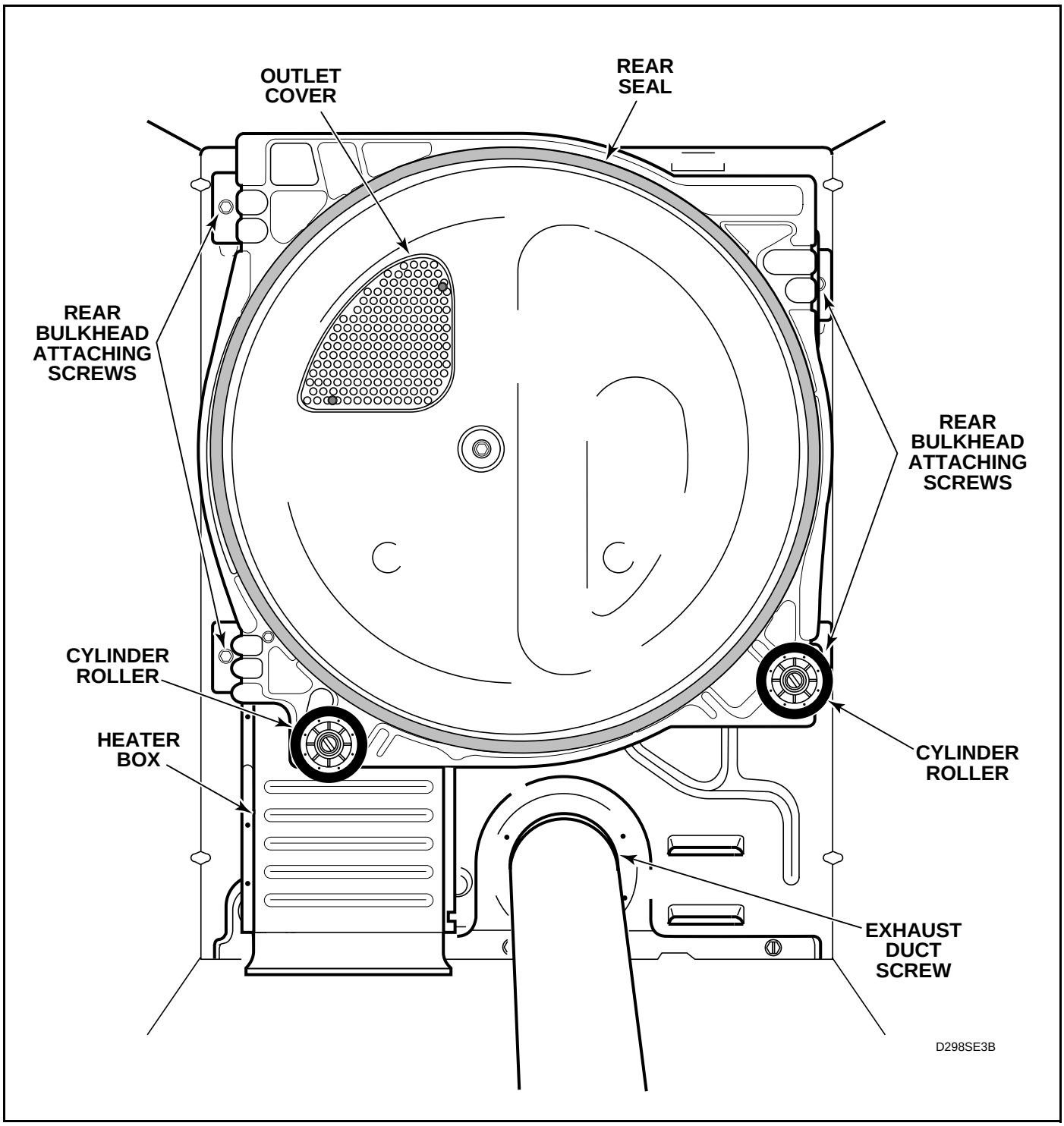

OUTLET COVER
REAR SEAL
REAR BULKHEAD ATTACHING SCREWS
REAR BULKHEAD ATTACHING SCREWS
CYLINDER ROLLER
HEATER BOX
CYLINDER ROLLER
EXHAUST DUCT SCREW
D298SE3B

Figure 51

WARNING

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

W001R1

48. CYLINDER ROLLERS

a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 4*.
b. Gently lower the access panel to disengage locators from bottom edge of front panel.See *Figure 33*.
c. Remove two screws holding bottom tabs on front panel to dryer side panels. See *Figure 33*. 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 32*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

e. Disengage belt from motor and idler pulleys. See *Figure 41*.
f. Remove four screws holding bulkhead to front flange of cabinet. Then lift complete bulkhead assembly out of slots in cabinet. See *Figure 46*.

WARNING

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

W005

IMPORTANT: When reassembling, be sure seal on exhaust fan cover makes airtight seal on flange of duct. See *Figure 38*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can adversely affect dryer performance.

g. Pull cylinder forward allowing rear of cylinder to drop down exposing rollers. See *Figure 52*.
h. See *Figure 52* 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.

49. OUTLET COVER

a. Open door and remove two screws holding outlet cover to rear bulkhead. See *Figure 51*.

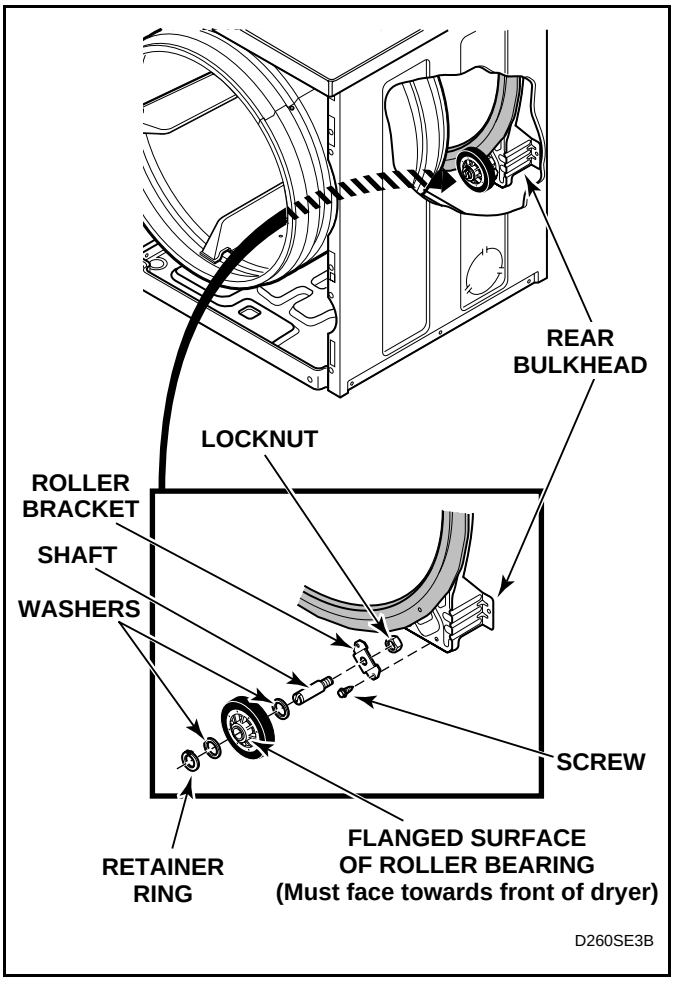


Figure 52

50. REAR BULKHEAD AND HEATER BOX

a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 4*.
b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 33*.

WARNING

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

W001R1

c. Remove two screws from bottom tabs on front panel. See *Figure 33*. 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 32*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

e. Disengage belt from motor and idler pulleys. See *Figure 41*.

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 41***. 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 50***. 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 46*.

WARNING

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

W005

IMPORTANT: When reassembling, be sure seal on exhaust fan cover makes airtight seal on flange of duct. See *Figure 38***. 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 46*.

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 35*.

(2) Remove burner tube attaching screw from right side of burner housing, while holding burner tube in place. See *Figure 37*.

(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. See *Figure 36*.

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 35*.

(7) Remove screw holding front of burner housing to dryer base and remove housing out through front of dryer. See *Figure 37*.

(8) Remove two screws holding shroud to heater box, and remove shroud out through front of dryer. See *Figure 35*.

WARNING

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

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

W001R1

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 37*.

(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 54*.

k. While supporting bulkhead, remove the four screws holding rear bulkhead to dryer cabinet, then lift complete assembly out of dryer. See *Figure 51*.

l. Remove heater box from rear bulkhead. See *Figure 53*.

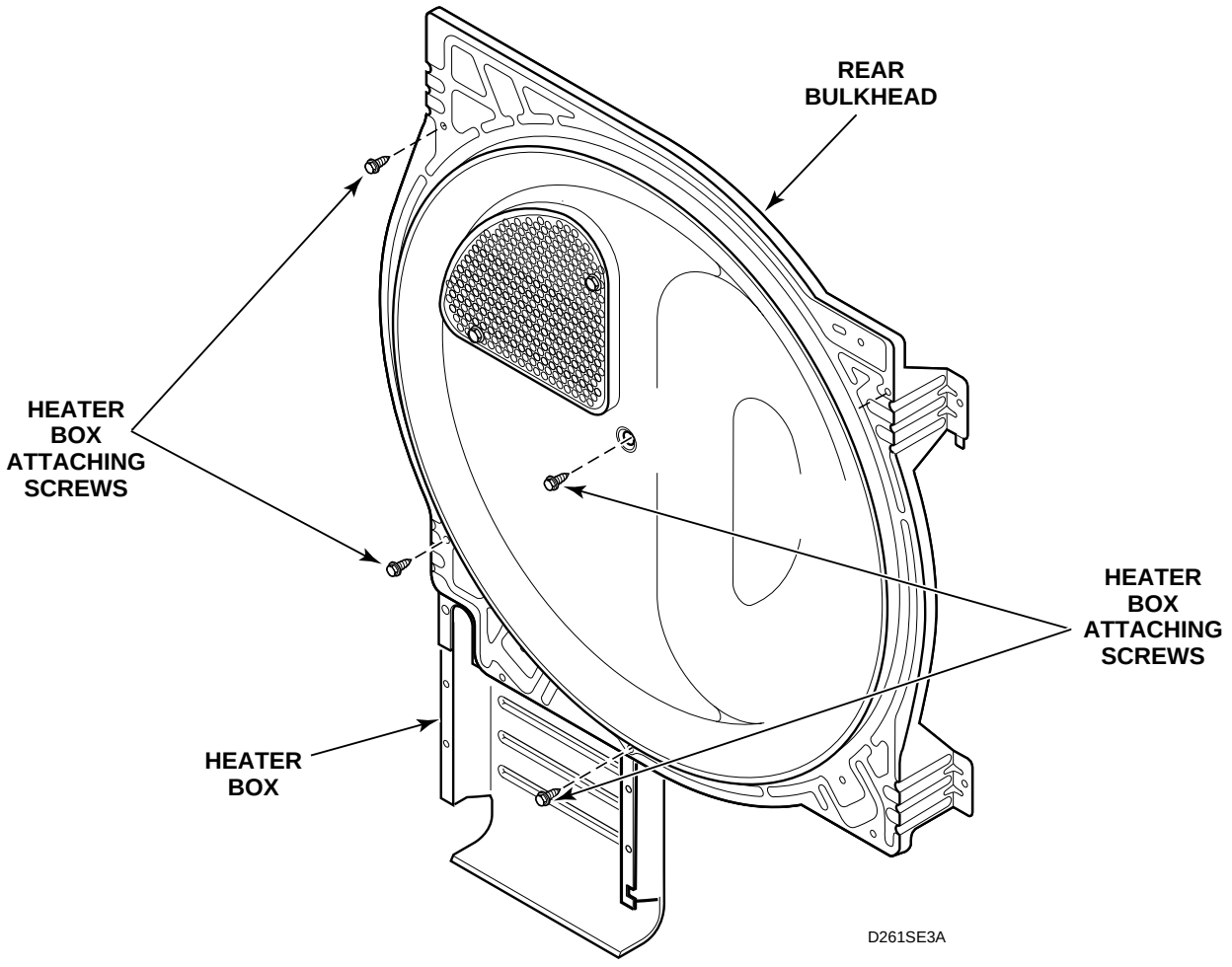


Figure 53

WARNING

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

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

W001R1

51. 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 4*.

(2) Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 33*.

(3) Remove two screws holding bottom tabs on front panel to dryer side panels. See *Figure 33*. 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 32*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

(5) Remove two cabinet 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 appropriate wiring diagram when rewiring terminal block.

(8) Remove screw holding terminal block to 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

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 55*.

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

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

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.

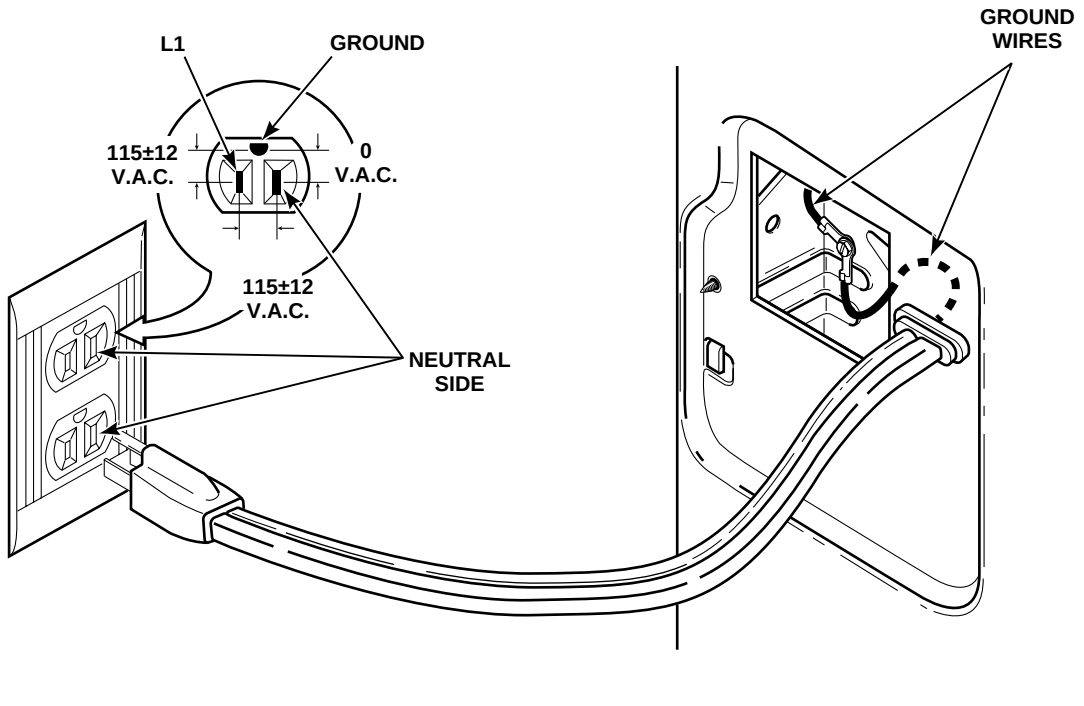


Figure 55

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

52. CABINET AND BASE

a. Unlock control panel. See *Figure 5A*.
b. Pull top of control panel away from control cabinet and lift up. See *Figure 5B*.
c. Remove control panel from control cabinet. See *Figure 5C*.
d. Disconnect all wires to components. See Figure 6.
e. Remove ground clip holding ground wire to control panel. See *Figure 6*.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

f. While supporting the access panel, remove two screws from bottom edge of each access panel. See *Figure 4*.
g. Gently lower each access panel to disengage panel locators from the bottom edge of front panel and remove access panel. See *Figure 4*.
h. Remove two screws holding bottom tabs on front panel to lower dryer cabinet. See *Figures 13* through *16*.
i. Swing bottom of front panel away from lower dryer to disengage hold-down clips and locators from control cabinet.
j. Disconnect wires from door switch. See *Figure 9*.

NOTE: Refer to appropriate wiring diagram when rewiring switch.

k. Remove two screws holding bottom tabs on control cabinet to front flange of lower dryer cabinet. See *Figures 10* through *13*.
l. Remove two screws and shoulder washers holding the upper dryer base to the top side of the control cabinet. See *Figures 10* through *13*.
m. Reach in through front opening of control cabinet and remove two screws (per side) holding the control cabinet front to the front flange of the control cabinet wrapper. See *Figures 10* through *13*.
n. METERED MODELS - Unlock and remove two coin drawers. Reach in through coin drawer opening and remove one screw (per side) holding control cabinet to control cabinet wrapper. See *Figure 11*.
o. Reach through control panel opening and remove two screws holding the control cabinet wrapper tabs to the control cabinet front tabs. See *Figures 10* through *13*.
p. Carefully pull control cabinet front straight out from between the upper and lower dryers. See *Figures 10* through *13*.
q. Remove two screws holding cabinet top to front flange of cabinet, and carefully lift cabinet top off dryer. See *Figure 26*.
r. Disengage belt from motor and idler pulleys. See *Figure 41*.

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 41***. 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 50***. After installing belt, manually rotate cylinder counterclockwise to check that belt is properly aligned.**

s. Remove four screws holding bulkhead to front flange of cabinet. Then, lift complete bulkhead assembly out of slots in cabinet. See *Figure 46*.

WARNING

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

W005

IMPORTANT: When reassembling, be sure seal on exhaust fan cover makes airtight seal on flange of duct. See *Figure 38***. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can adversely affect dryer performance.**

t. While supporting cylinder, carefully remove belt, and remove cylinder out through front of dryer.
u. **Gas Models:**
   (1) Disconnect igniter wires at disconnect blocks, sensor wires from flame sensor terminals (See *Figure 35*), and wires from gas valve coils at the quick disconnect blocks. See *Figure 37*.
   (2) Remove screw from right side of burner housing holding burner tube in place. See *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.**

W001R1

(3) Gently move burner tube toward rear of dryer to disengage tab from slot on left side of burner housing. See *Figure 35*.

(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 35*.

(7) Remove screw holding front of burner housing to dryer base and remove housing out through front of dryer. See *Figure 37*.

(8) Remove four screws holding shroud to heater box. Remove shroud out through front of dryer. See *Figure 35*.

v. **Electric Models:**

(1) Remove two screws holding element and plate to heater box, then pull element down and away from heater box. See *Figure 37*.

(2) While supporting bulkhead, remove screws holding bulkhead to rear of dryer cabinet, and remove assembly out of dryer. See *Figure 51*.

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

(3) Remove screw holding exhaust duct to dryer cabinet and pull duct out of cabinet. See *Figure 51*.

(4) Remove two screws from each rear cabinet top hold-down bracket. See *Figure 54*.

(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 46*.

w. Remove leveling legs from base.

SECTION 6
Adjustments

WARNING

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

W001R1

53. LEVELING LEGS *(Figure 56)*

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

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

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.

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.

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.

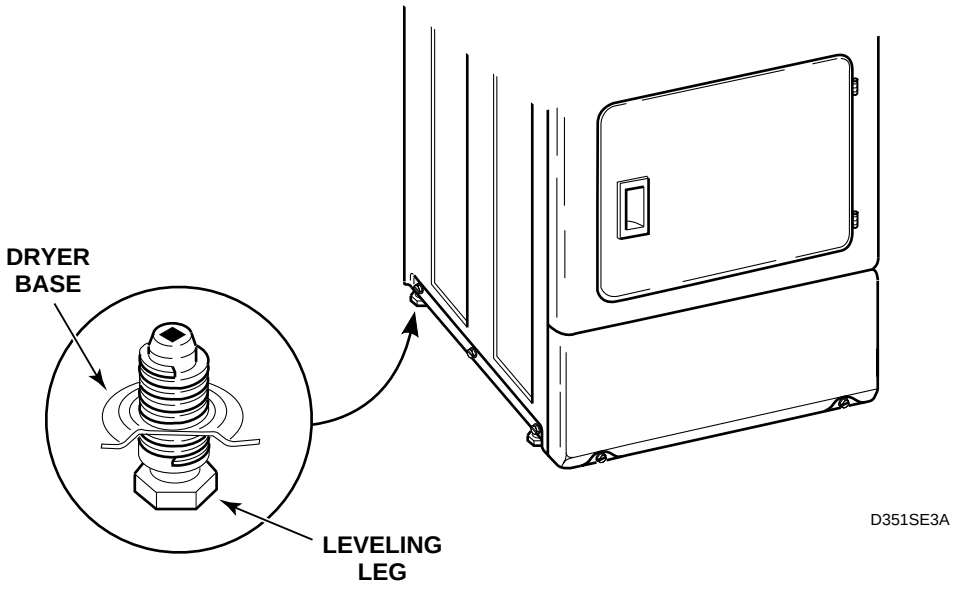


Figure 56

WARNING

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

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

W001R1

54. BURNER FLAME (Gas Models)

a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 4*.
b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 33*.
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. See *Figure 57*.
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 57*.
h. Reinstall 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.

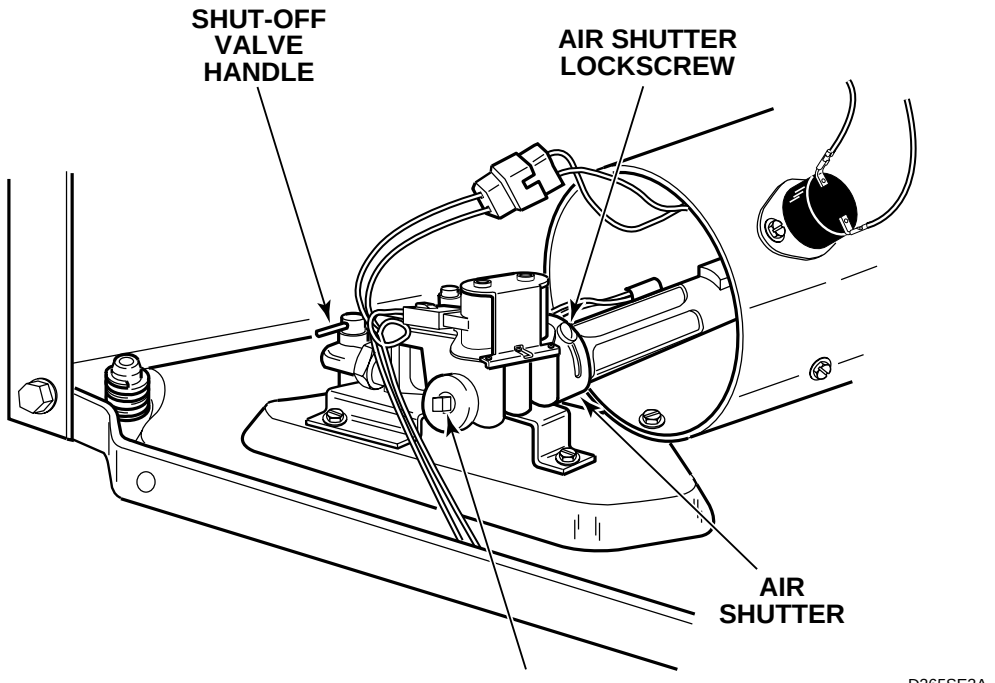


Figure 57

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.

55. DRIVE MOTOR (*Figure 58*)

a. Remove motor and exhaust assembly. See *Paragraph 43*.
b. 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

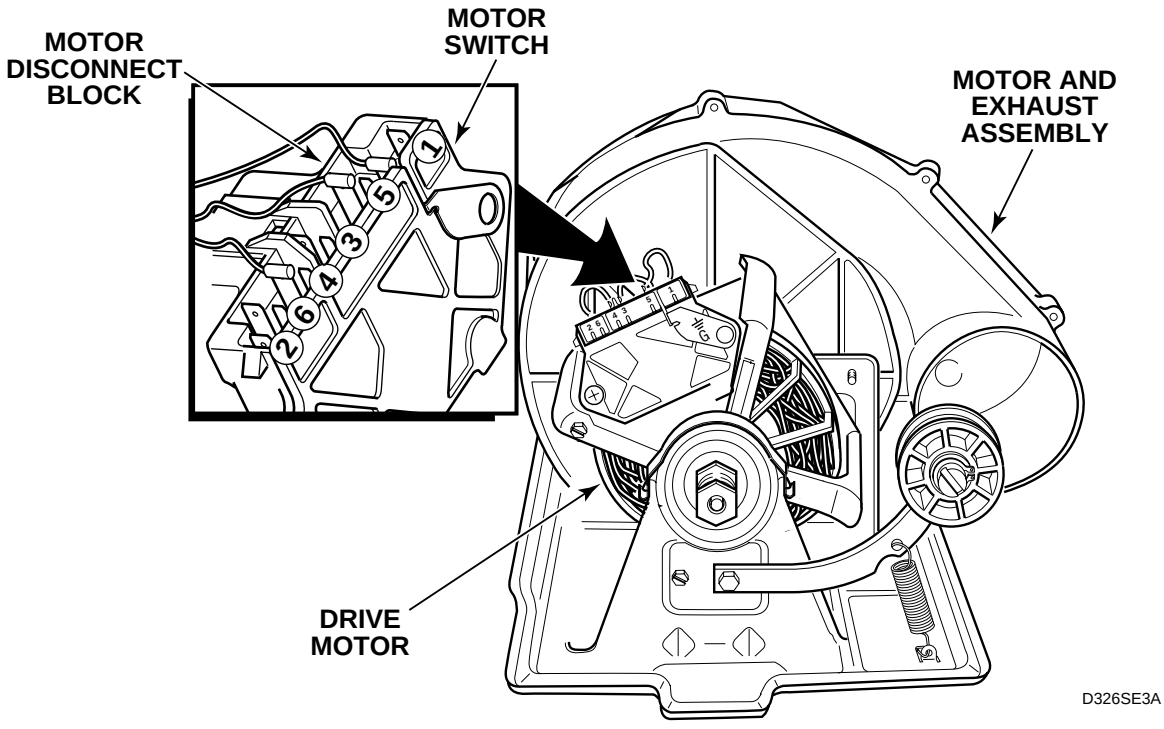


Figure 58

WARNING

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

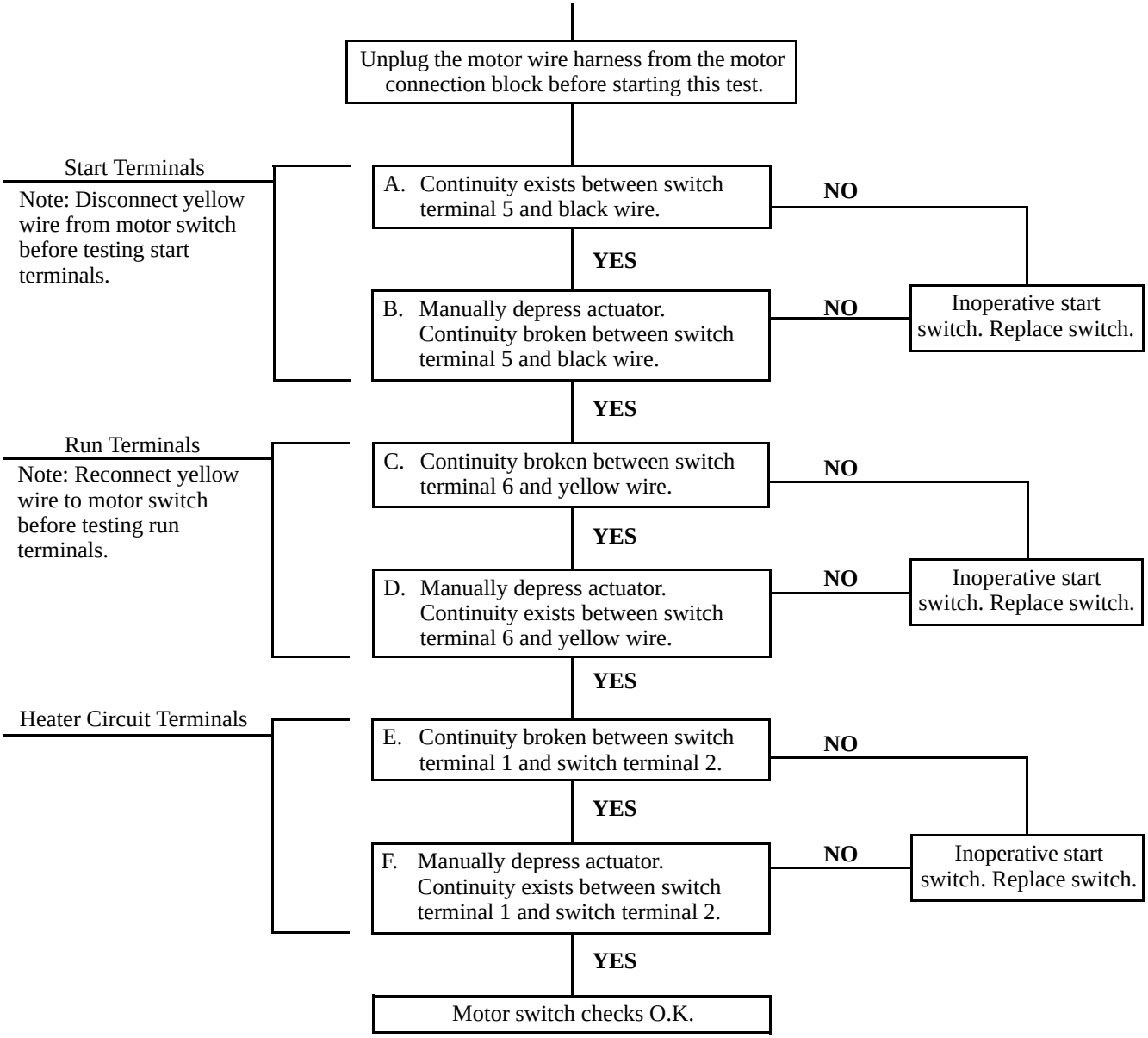
- **Disconnect electric power to the dryer(s) before servicing.**
- **Close gas shut-off valve to gas dryer(s) before servicing.**
- **Never start the dryer(s) with any guards/panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that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

W001R1

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

WARNING

Disconnect electric power to dryer before performing any of the following steps or when replacing inoperative motor switches.



WARNING

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

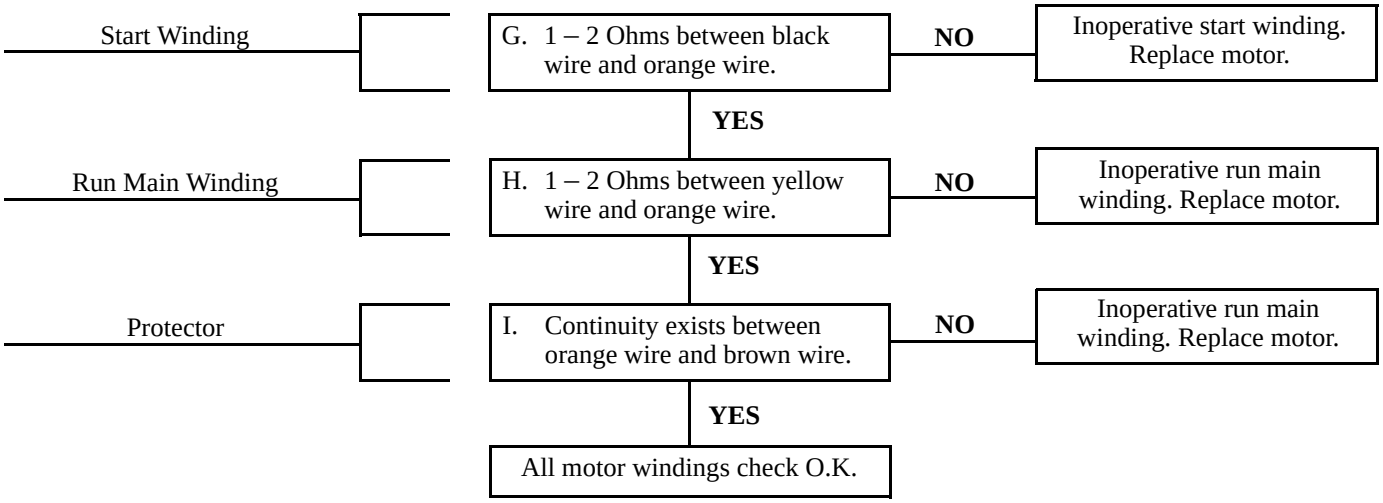
- **Disconnect electric power to the dryer(s) before servicing.**
- **Close gas shut-off valve to gas dryer(s) before servicing.**
- **Never start the dryer(s) with any guards/panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that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

W001R1

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

WARNING

Disconnect electric power to dryer before performing any of the following steps or when replacing inoperative motor switches.

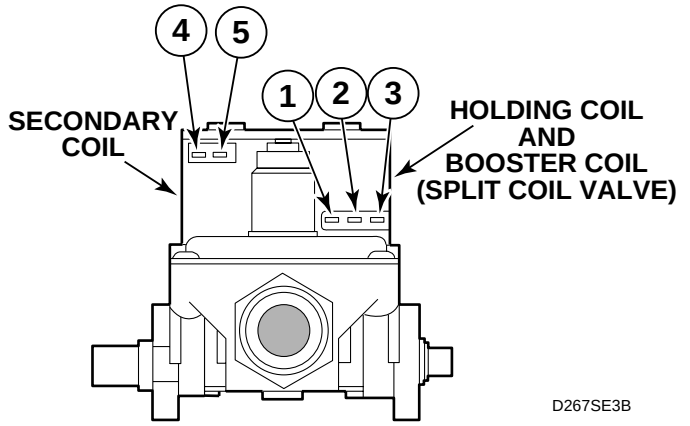


WARNING

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



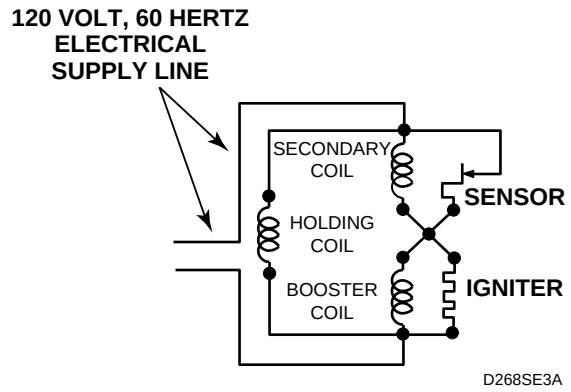


Figure 59

56. BURNER SYSTEM OPERATION (Gas Models – *Figure 59*)

a. **Components**

This 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 reclose, 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

57. ELECTRICAL CIRCUIT TO IGNITION SYSTEM (Gas Models)

a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 4*.

b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 33*.

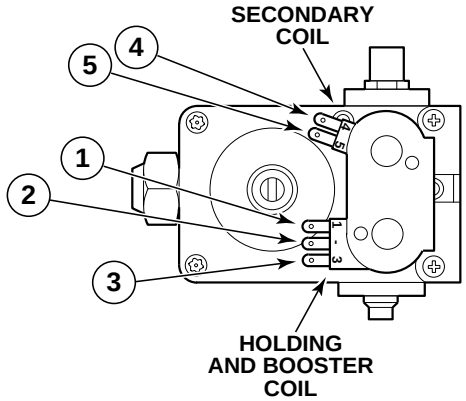
c. Close main gas shut-off valve. See *Figure 57*.

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 47. 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, accumulator, or timer.



GAS VALVE FOR SILICON CARBIDE IGNITION

D27

Figure 60

WARNING

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.

58. GAS VALVE COILS CHECK (Gas Models)

a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 4*.

b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 33*.

c. Close main gas shut-off valve. See *Figure 57*.

d. Remove disconnect blocks from gas valve coils.

e. Set test meter to read Ohms and put meter probes to terminals shown in *Figure 60*, and in the following chart.

COIL TOLERANCE READINGS

Meter probes to terminals:	Meter should read:
Holding Coil – Terminals 1 & 2	1365 ± 25 Ohms
Booster Coil – Terminals 1 & 3	560 ± 25 Ohms
Secondary Coil – Terminals 4 & 5	1220 ± 50 Ohms

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

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. SENSOR CHECK (Gas Models)

a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 4*.
b. Gently lower the access panel to disengage locators from bottom edge of front panel.
c. Close main gas shut-off valve. See *Figure 35*.
d. Remove wires from sensor terminals. See *Figure 35*.
e. Set test meter to read Ohms and put meter probes on sensor terminals. Meter should read "zero" Ohms. If meter registers an Ohm reading of any amount, replace sensor.

60. IGNITER CHECK (Gas Models)

a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 4*.
b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 33*.
c. Close main gas shut-off valve. See *Figure 35*.
d. Disconnect igniter wires at disconnect block.
e. Set test meter to read Ohms and put meter probes on terminals of igniter wires.
f. **Silicon Carbide Igniter –** meter should read between 45 – 200 Ohms. See *Figure 61*.

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.

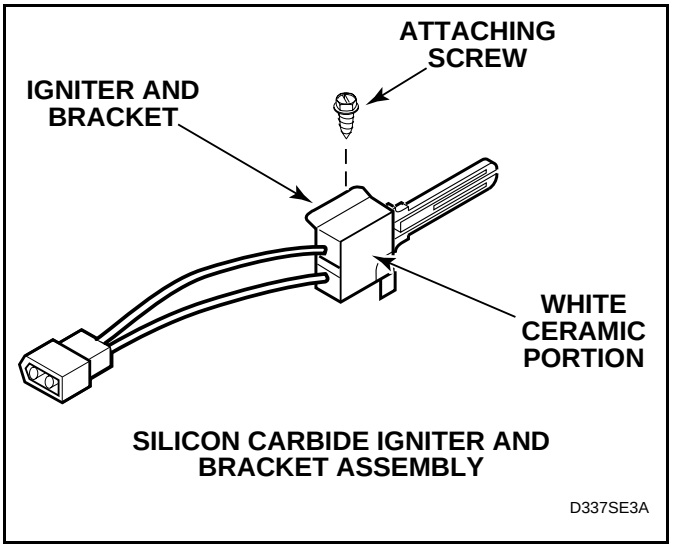


Figure 61

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

61. THERMAL FUSE (Electric Models)

a. While supporting the access panel, remove two screws from bottom edge of front access panel. See *Figure 4*.
b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 33*.
c. Label and disconnect wires from thermal fuse. See *Figure 37*.

NOTE: Refer to appropriate 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.

62. HEATER ASSEMBLY (Electric Models)

a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 4*.
b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 33*.
c. Disconnect wires from heater assembly. See *Figure 37*.

NOTE: Refer to appropriate 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 37*.

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

63. CYCLING OR LIMIT THERMOSTAT

a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 4*.
b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 33*.
c. Label and disconnect wires from thermostat. See *Figure 38*.

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

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

a. Set meter to read Ohms.
   (1) Apply meter probes to the thermostat terminals.
   (2) 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.**

W001R1

64. FABRIC SELECTOR SWITCH

a. Unlock control panel. See *Figure 5A*.
b. Pull top of control panel away from control cabinet and lift up. See *Figure 5B*.
c. Remove control panel from control cabinet. See *Figure 5C*.
d. Disconnect wires from fabric selector switch.

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

e. 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		

65. TIMER CONTACTS (Nonmetered Models – *Figure 62*)

a. Unlock control panel. See *Figure 5A*.
b. Pull top of control panel away from control cabinet and lift up. See *Figure 5B*.
c. Remove control panel from control cabinet. See *Figure 5C*.
d. Disconnect wires from timer, except timer motor wires.
e. While supporting timer, remove screws holding timer to control cabinet. See *Figure 7*.
f. Pull timer out through control panel opening as far as wires will permit.

NOTE: Refer to appropriate wiring diagram when rewiring timer.

g. Manually rotate timer out of "OFF" position and into cycle.
h. 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 Hz2,460 – 3,100 Ohms

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

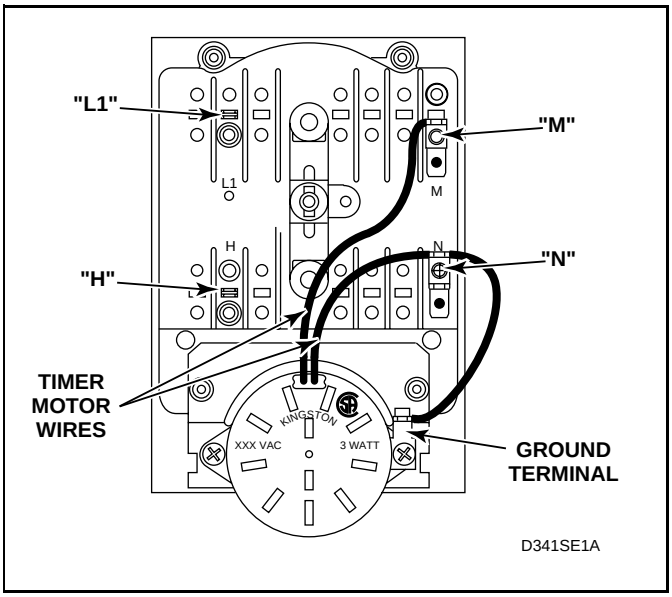


Figure 62

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. ACCUMULATOR (Metered Models)

a. Unlock control panel. See *Figure 5A*.
b. Pull top of control panel away from control cabinet and lift up. See *Figure 5B*.
c. Remove control panel from control cabinet. See *Figure 5C*.
d. Disconnect all wires to components. See *Figure 6*.
e. Remove ground clip holding ground wire to control panel. See *Figure 6*.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

f. Reach in through control panel opening and remove screws holding accumulator and mounting bracket to the control cabinet. See *Figure 14*.
g. Pull accumulator out of control cabinet as far as wires will permit.
h. Disconnect wires from one side of each switch.

NOTE: Refer to appropriate wiring diagram when rewiring switches.

i. Manually advance timing cam to disengage cam from ratchet wheel.
j. 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)
k. Manually advance timing cam until it engages with ratchet wheel and the first "click" is heard. Switch B should now read "infinite" (open).
l. 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).

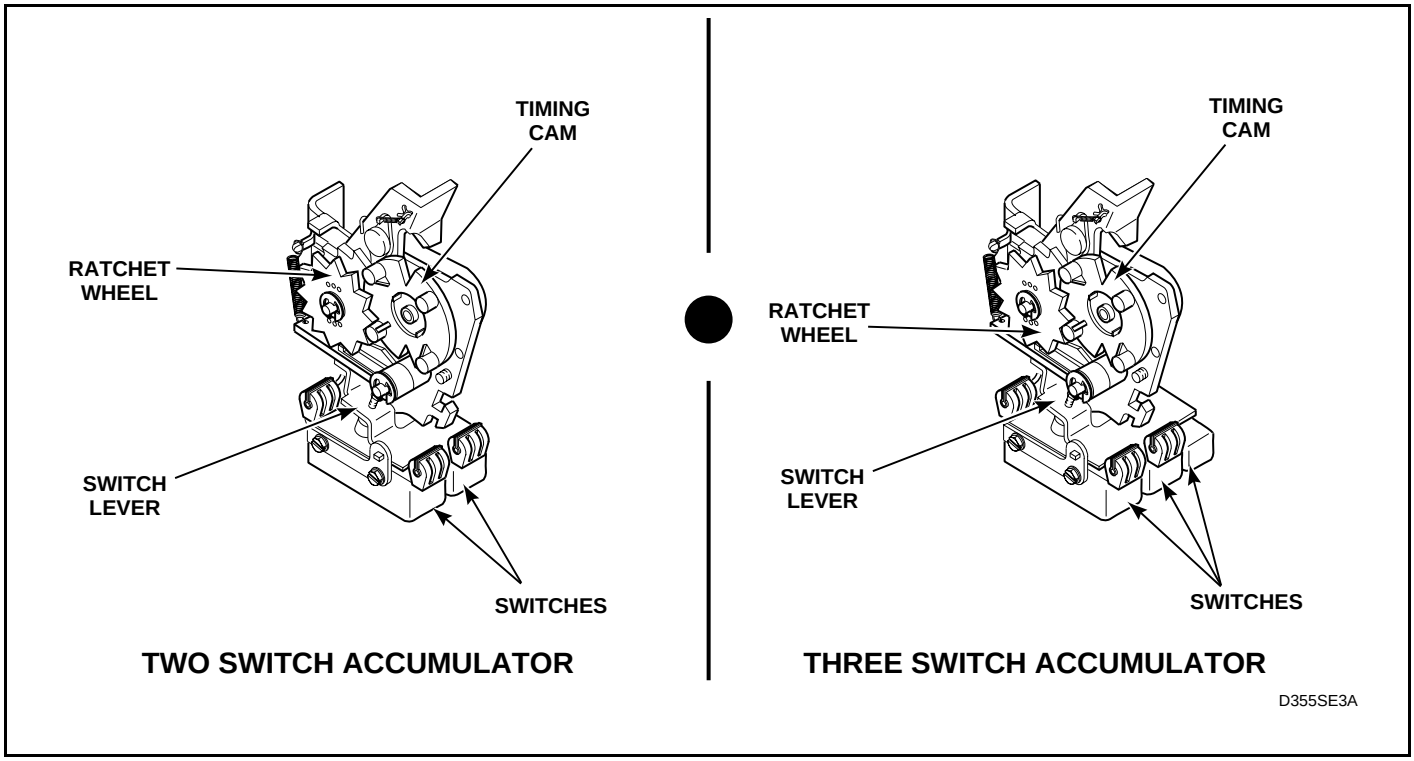


Figure 63

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

67. DOOR SWITCH

a. While supporting the access panel, remove two screws from bottom edge of access panel. See *Figure 4*.
b. Gently lower the access panel to disengage locators from bottom edge of front panel. See *Figure 33*.
c. Disconnect wires from door switch. See *Figure 32*.

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.

68. PUSH-TO-START SWITCH

a. Unlock control panel. See *Figure 5A*.
b. Pull top of control panel away from control cabinet and lift up. See *Figure 5B*.
c. Remove control panel from control cabinet. See *Figure 5C*.
d. Disconnect all wires to components. See *Figure 6*.
e. Remove ground clip holding ground wire to control panel. See *Figure 6*.

NOTE: Refer to appropriate wiring diagram when reconnecting wires.

f. Unplug dryer from electrical supply and disconnect wires from switch terminals.
g. Set Volt-Ohm meter on OHMS scale and calibrate at appropriate scale.
h. Place meter probes on switch terminals. You should see an “infinite” reading on the meter.
i. 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.**

W001R1

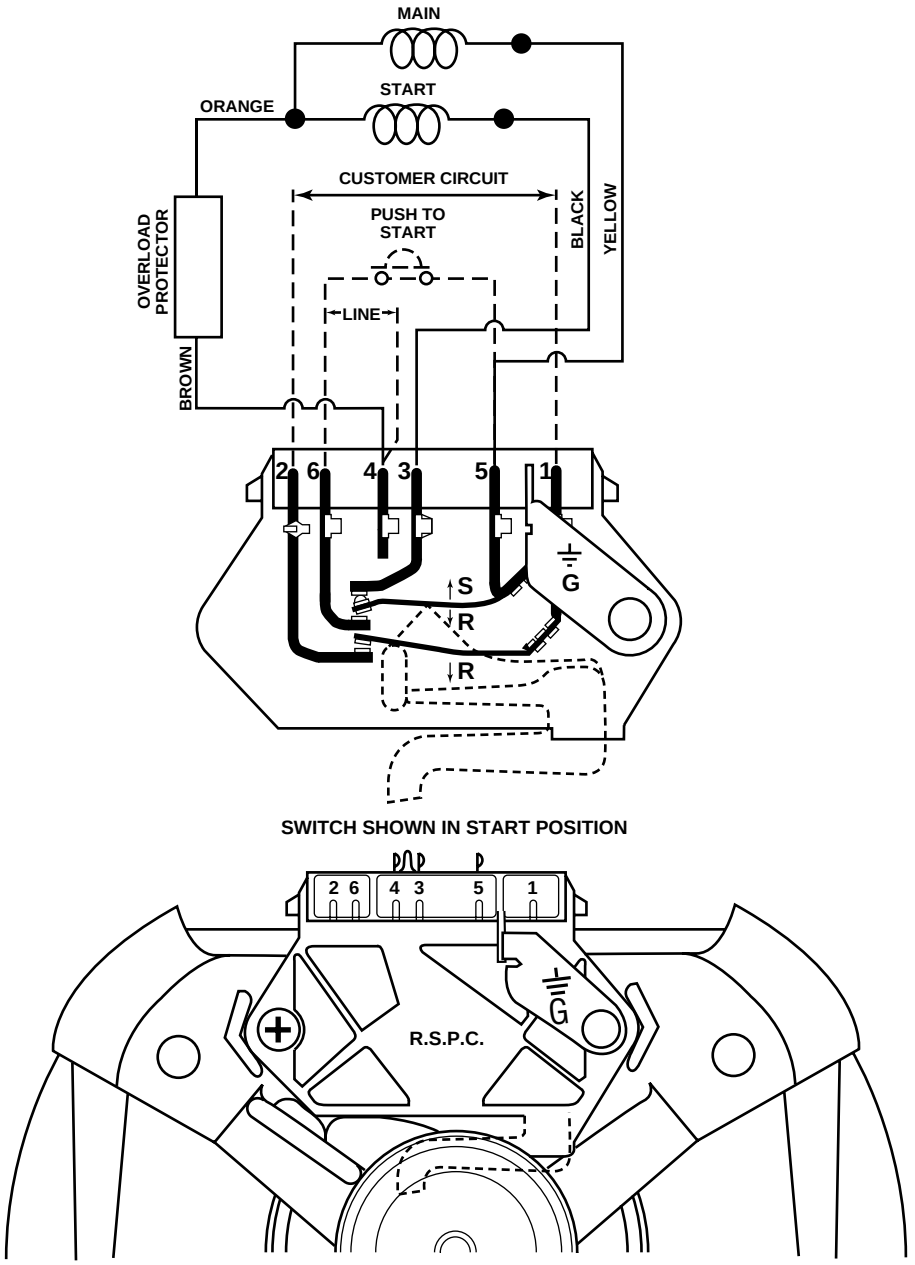


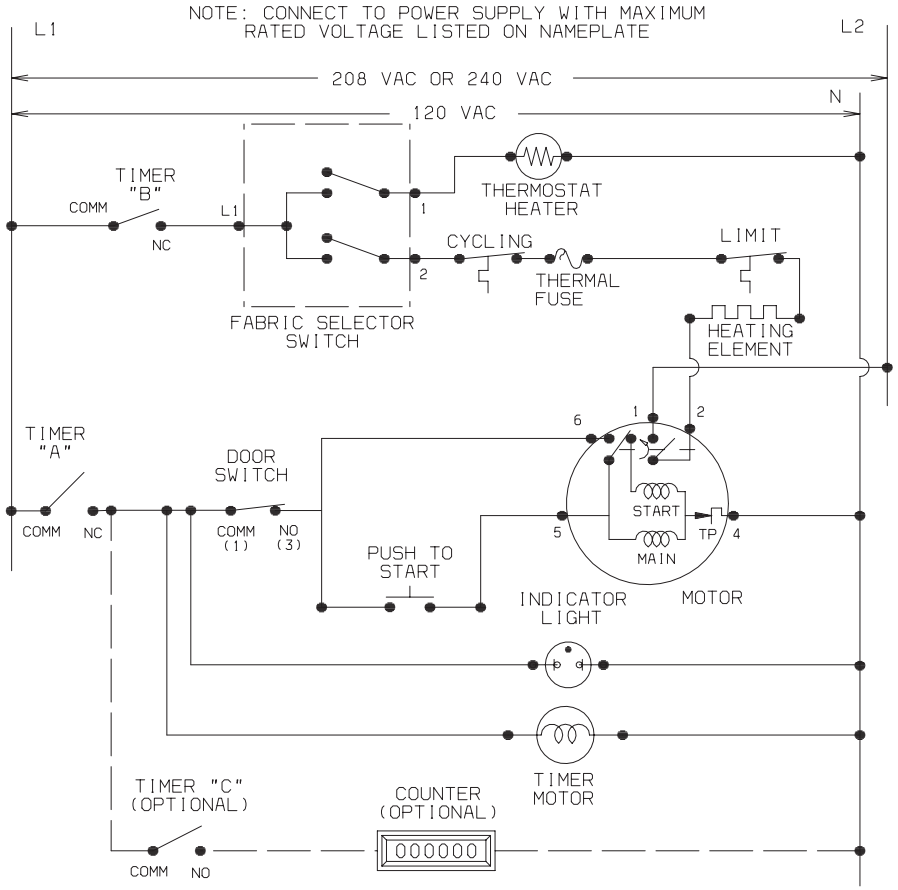
Figure 64

SECTION 9
Wiring Diagrams

WARNING

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

W030



WARNING

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

THIS MACHINE MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING PATENTS:

UNITED STATES NO: 5,113,562
5,257,448

CANADIAN NO:
OTHER PATENTS PENDING

NOTE: NUMERALS FOLLOWING COLOR MARKINGS, INDICATE WIRE GAUGE.

"CAUTION: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation."

"Verify proper operation after servicing."

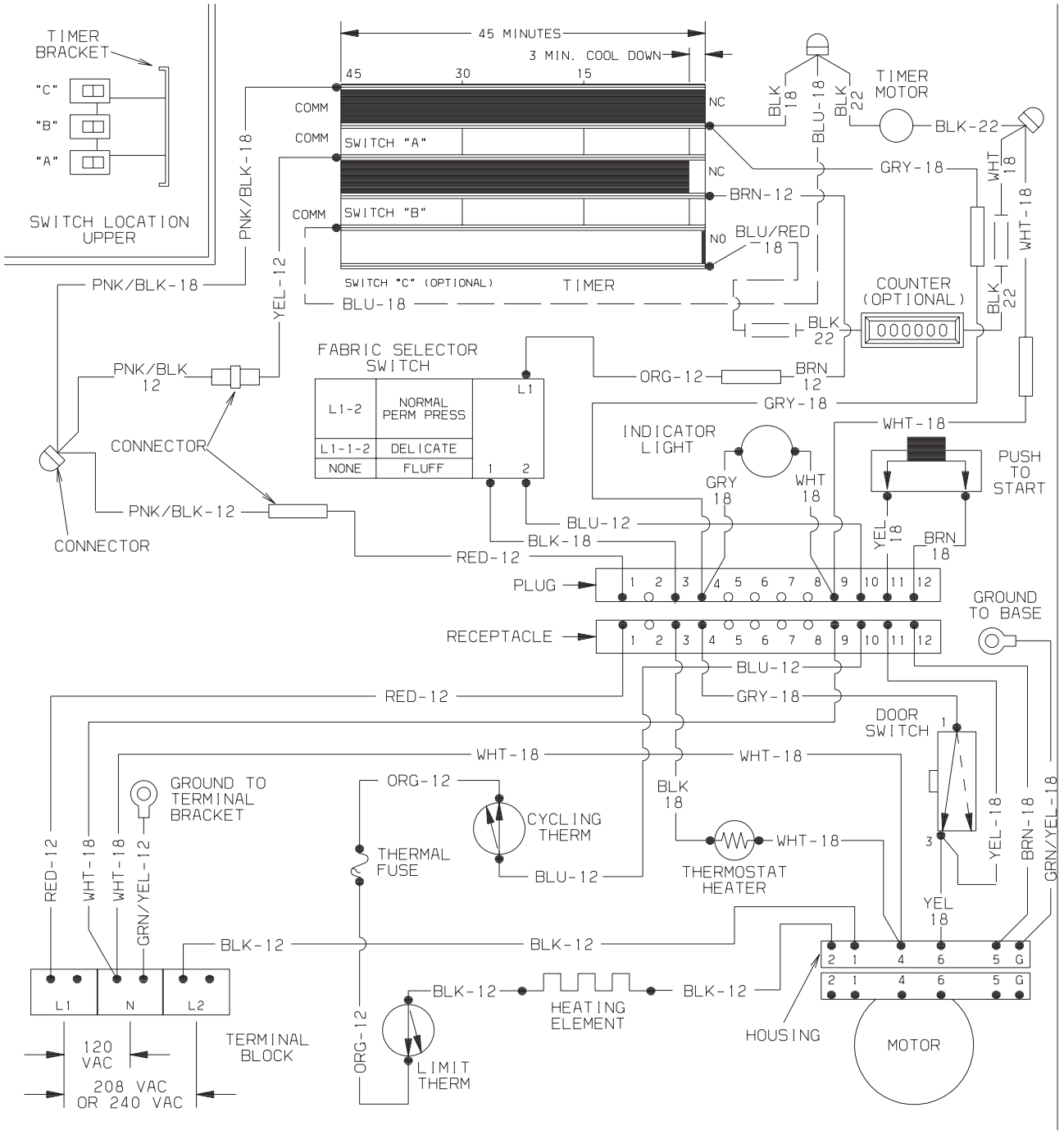
SCHEMATIC

Models HSE117*A, SSE107*A, SSE117*A and SSE307*A

WARNING

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

W030



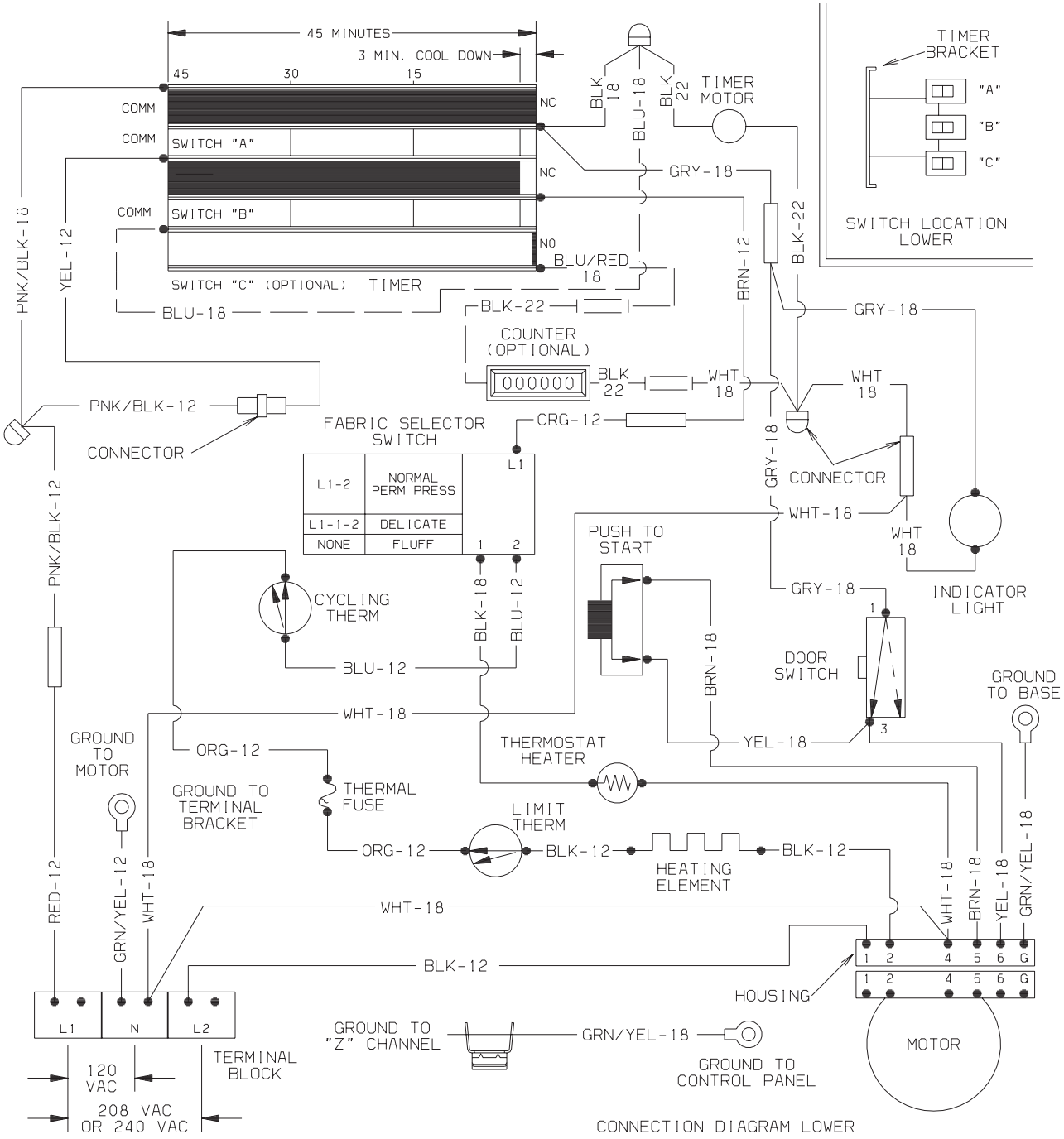
CONNECTION DIAGRAM UPPER

CONNECTION DIAGRAM – UPPER DRYER
Models HSE117*A, SSE107*A, SSE117*A and SSE307*A

WARNING

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

W030

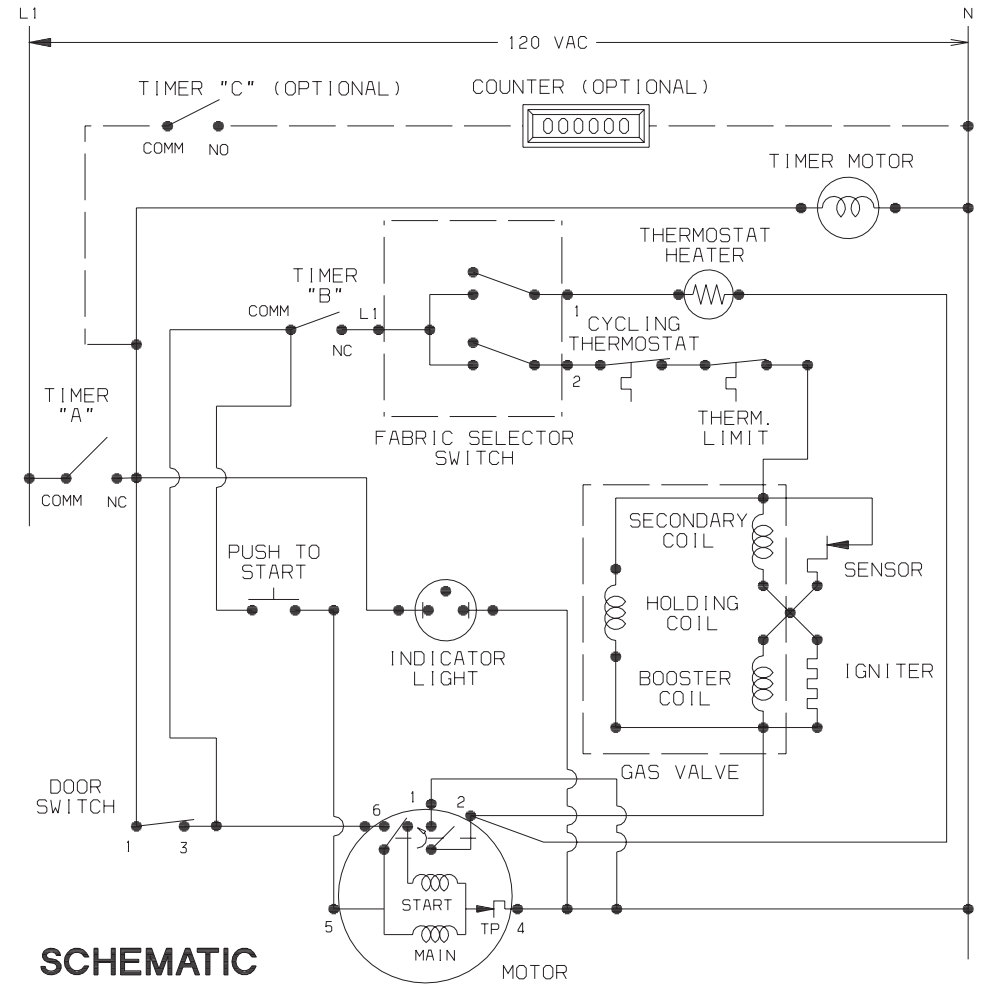


CONNECTION DIAGRAM – LOWER DRYER
Models HSE117*A, SSE107*A, SSE117*A and SSE307*A

WARNING

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

W030



SCHEMATIC

WARNING

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

THIS MACHINE MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING PATENTS:

UNITED STATES NO: 5,113,562
5,257,448

CANADIAN NO:
OTHER PATENTS PENDING

NOTE: NUMERALS FOLLOWING COLOR MARKINGS, INDICATE WIRE GAUGE.

"CAUTION: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation."

"Verify proper operation after servicing."

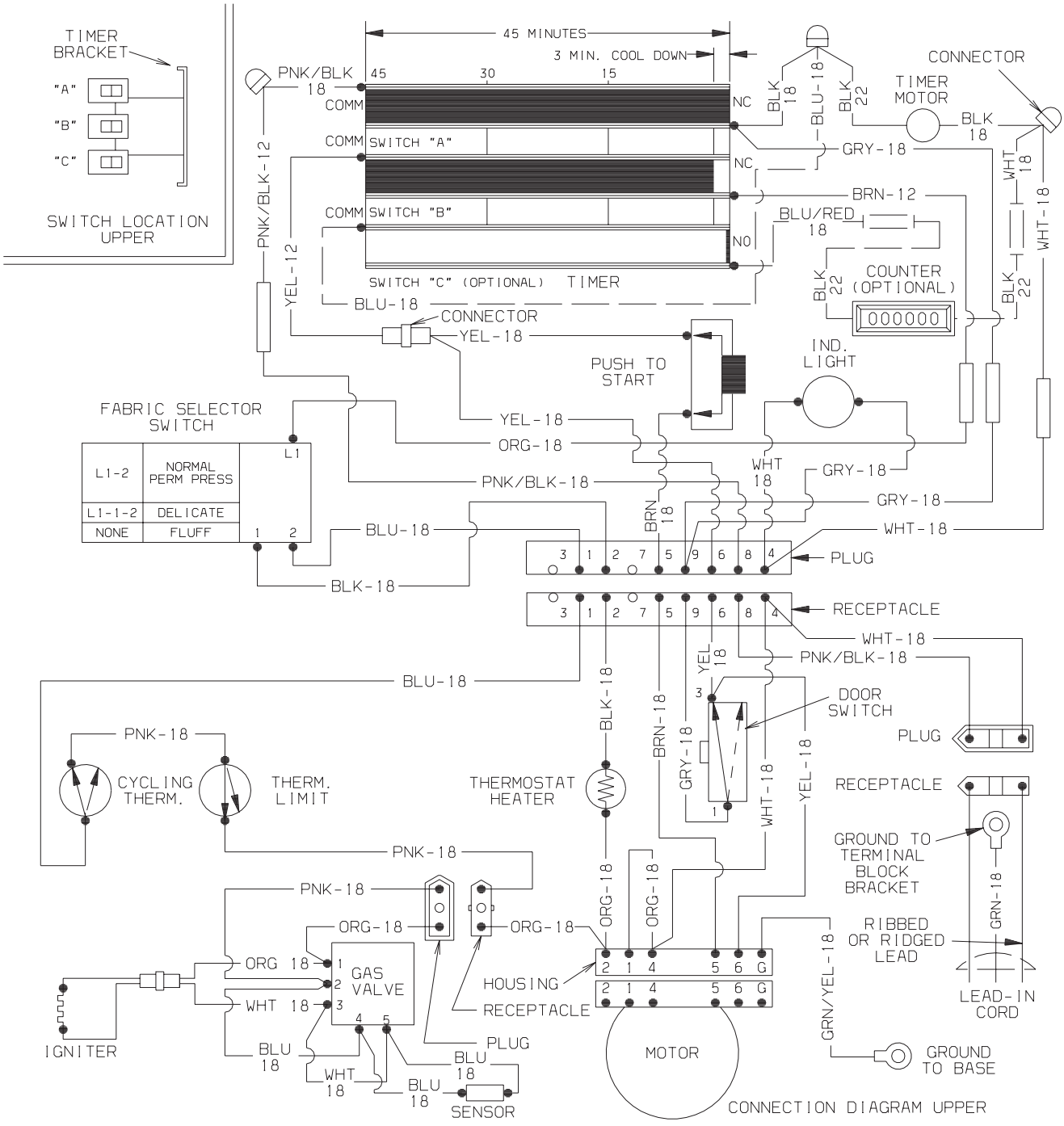
SCHEMATIC

Models HSG119*A, SSG109*A, SSG119*A and SSG309*A

WARNING

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

W030

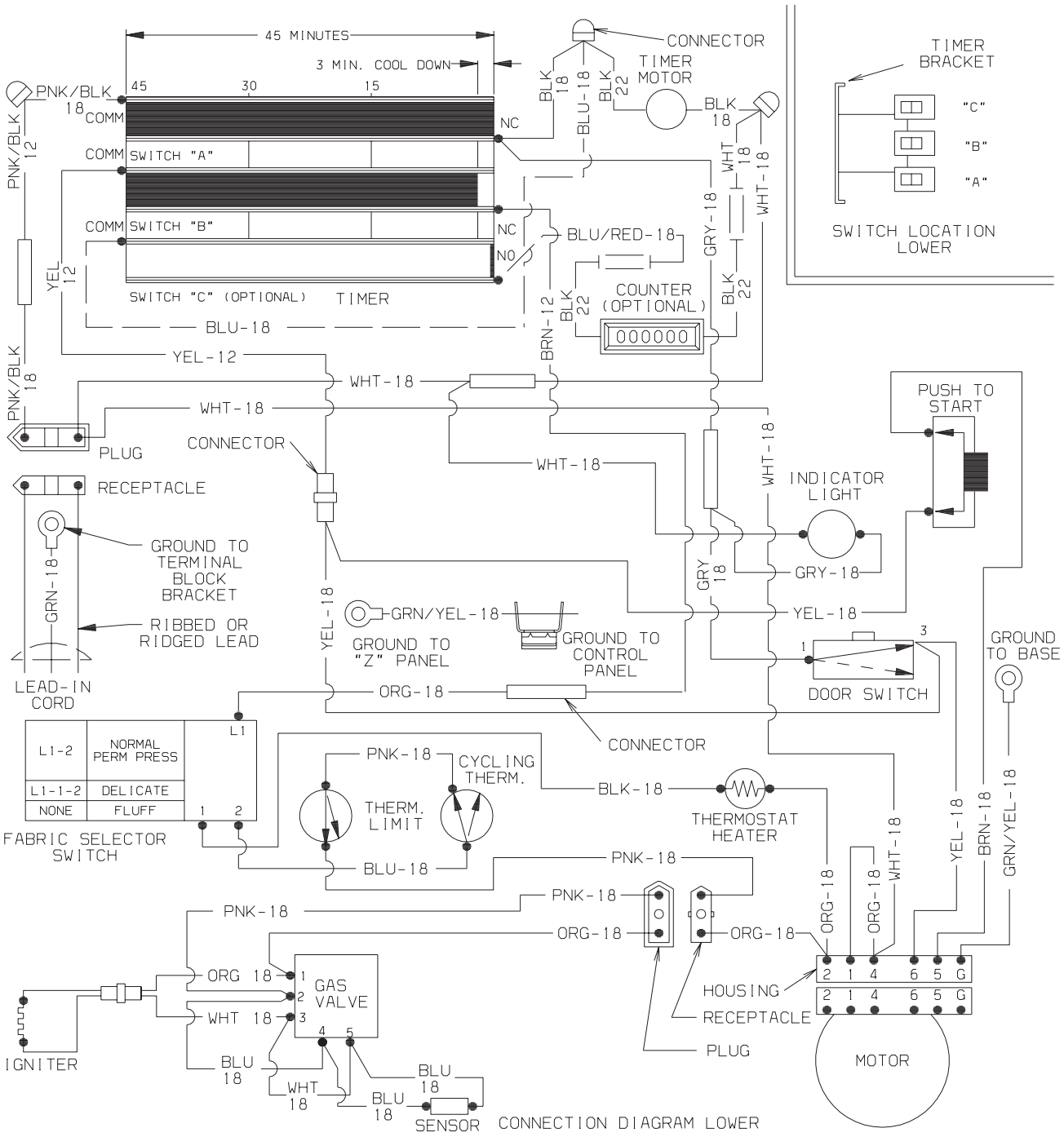


CONNECTION DIAGRAM – UPPER DRYER
Models HSG119*A, SSG109*A, SSG119*A and SSG309*A

WARNING

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

W030

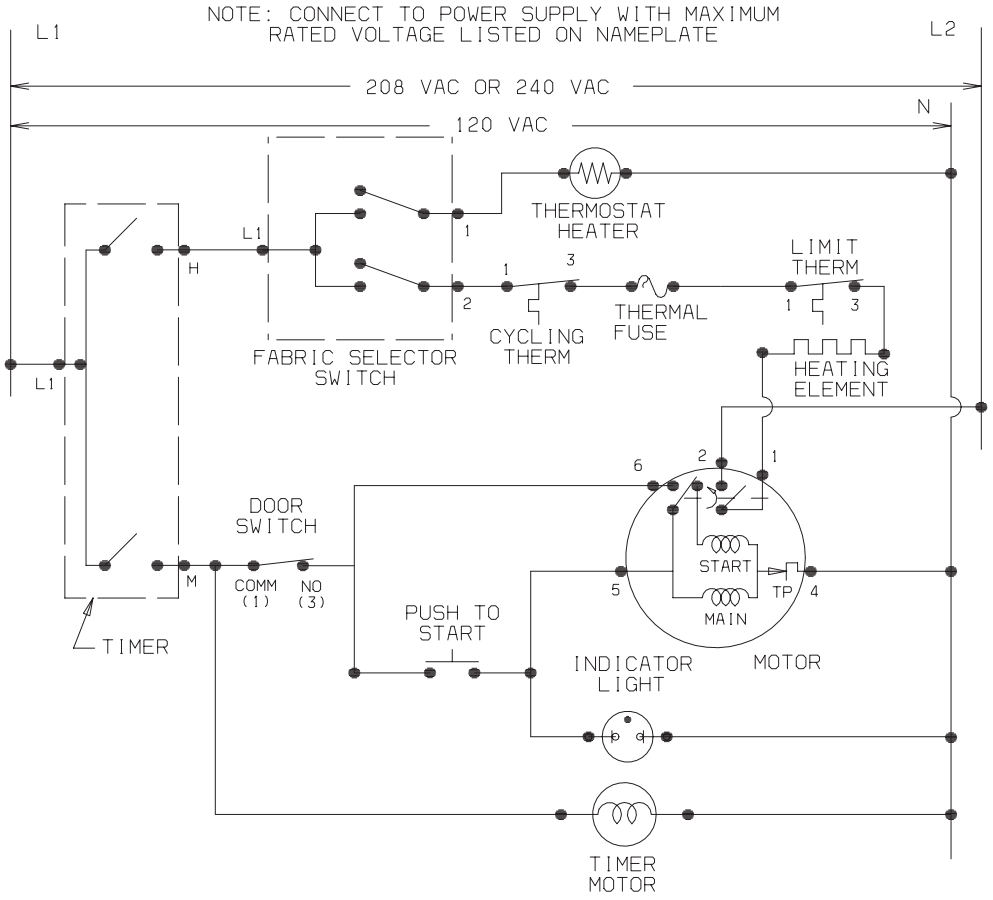


CONNECTION DIAGRAM – LOWER DRYER
Models HSG119*A, SSG109*A, SSG119*A and SSG309*A

WARNING

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

W030



"CAUTION: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation."

"Verify proper operation after servicing."

SCHEMATIC

WARNING

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

THIS MACHINE MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING PATENTS:

UNITED STATES NO: 5,113,652

CANADIAN NO:
OTHER PATENTS PENDING

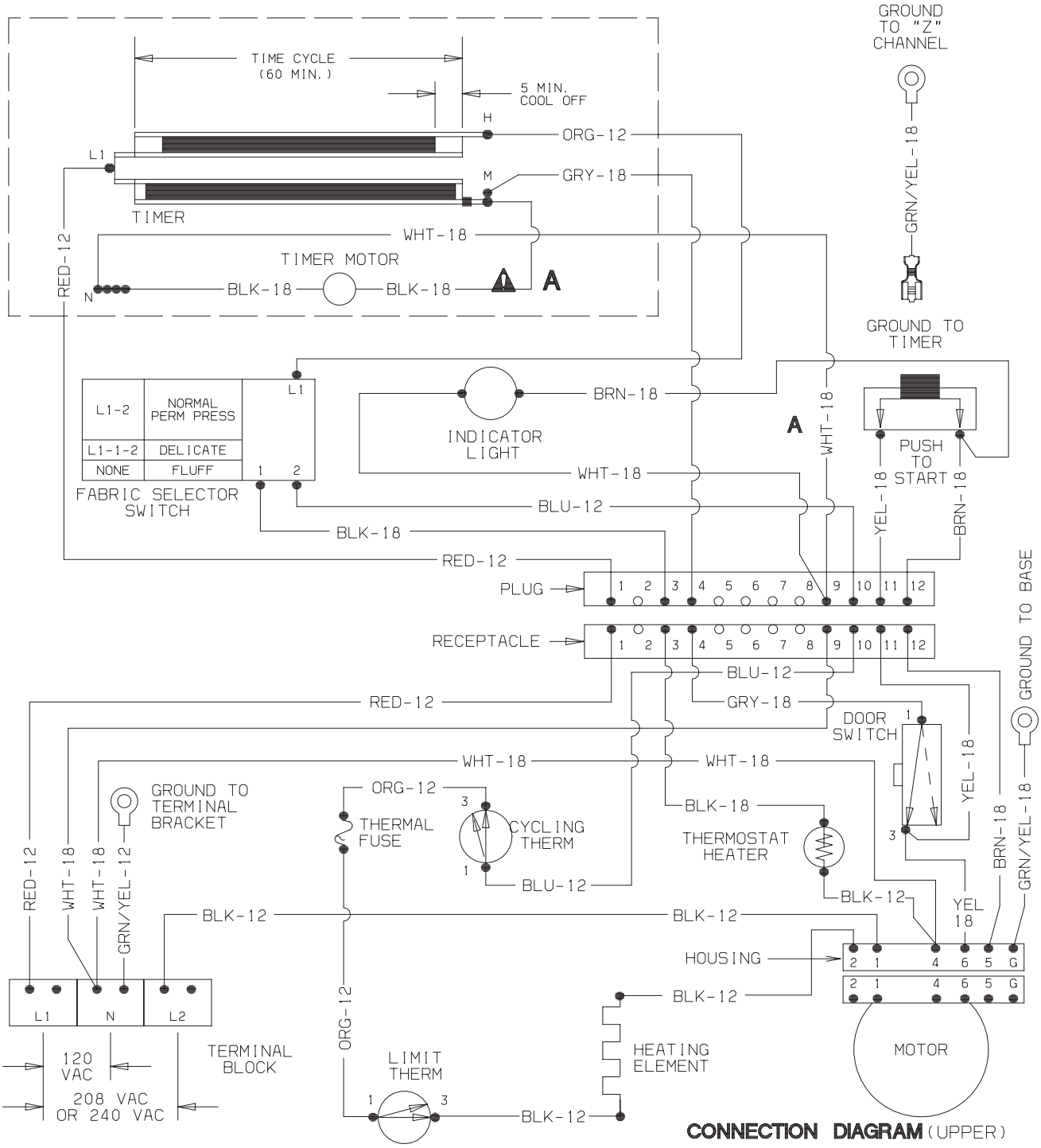
NOTE: NUMERALS FOLLOWING COLOR MARKINGS INDICATE WIRE GAUGE

SCHEMATIC
Models SSE007*A and USE007*A

WARNING

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

W030

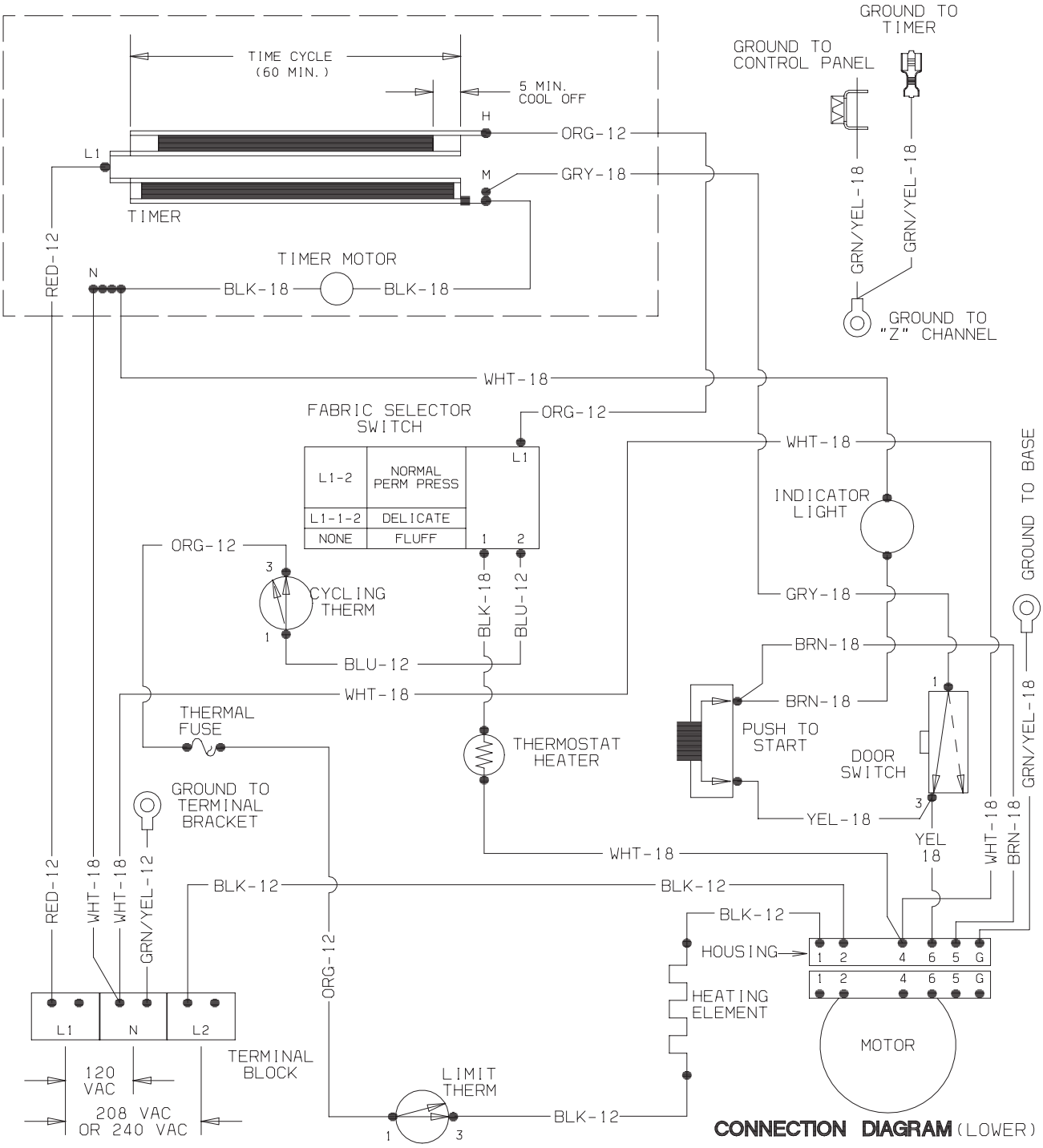


CONNECTION DIAGRAM – UPPER DRYER
Models SSE007*A and USE007*A

WARNING

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

W030

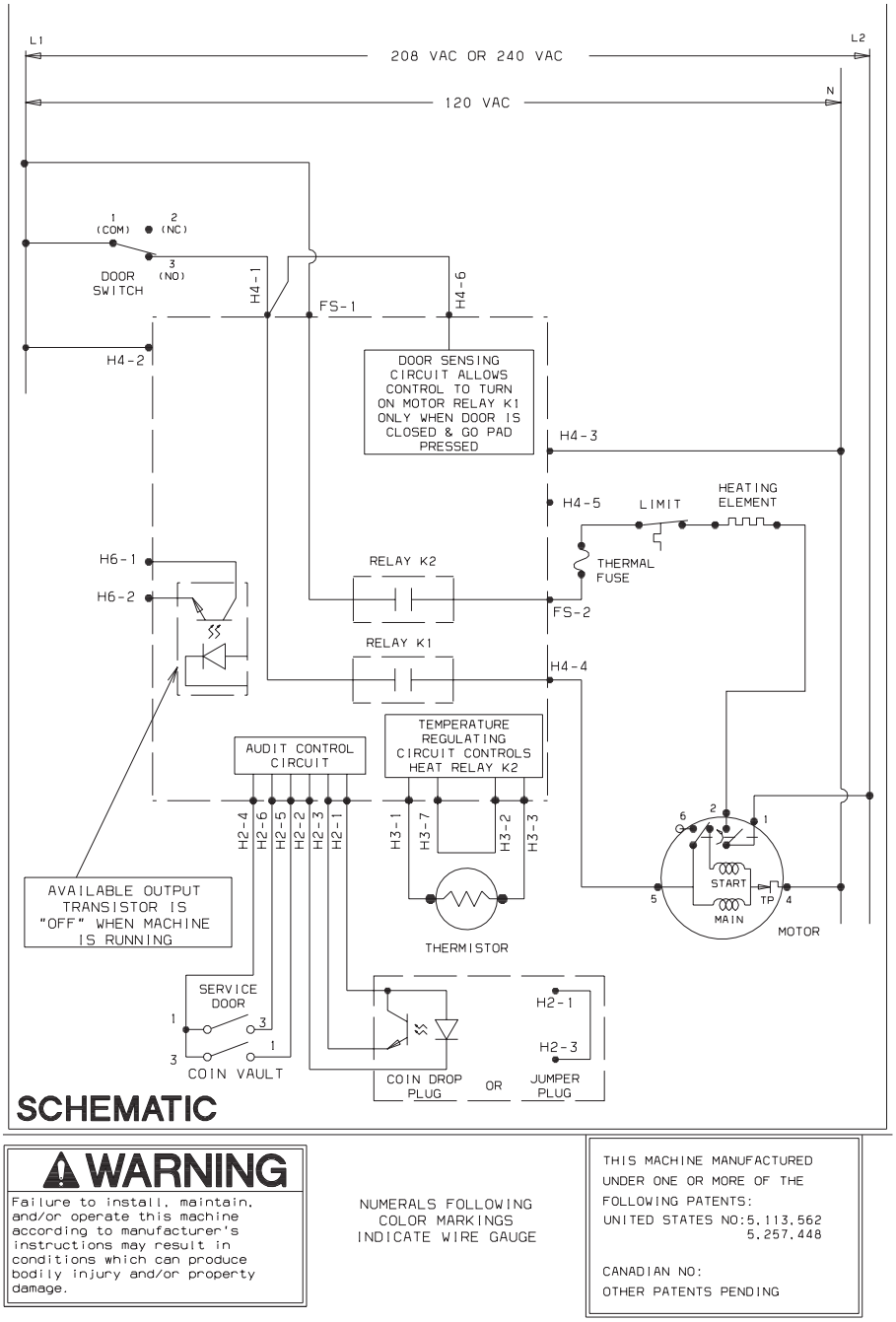


CONNECTION DIAGRAM – LOWER DRYER
Models SSE007*A and USE007*A

WARNING

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

W030



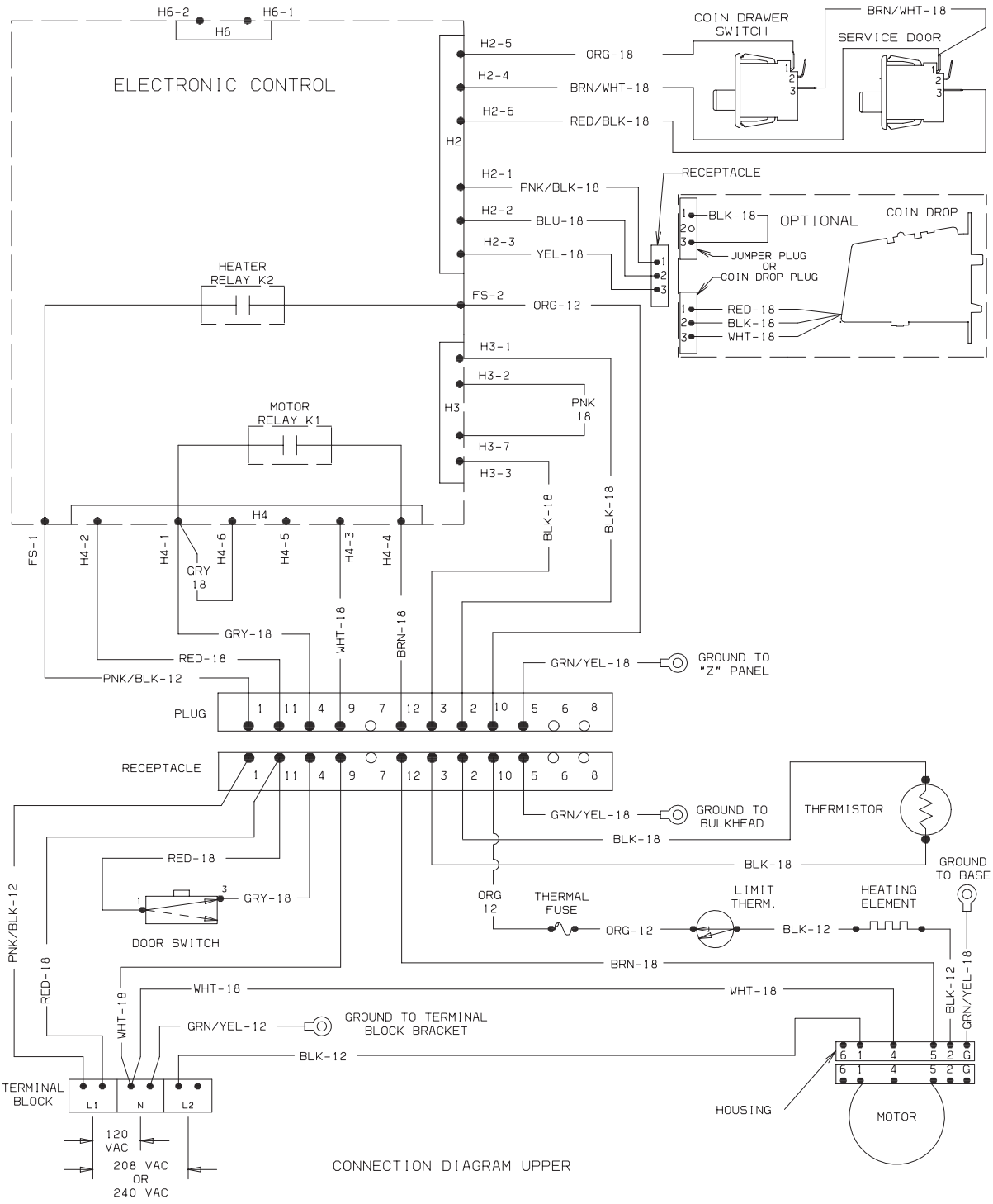
SCHEMATIC

Models SSE407*A, SSE417*A, SSE507*A and SSE517*A

WARNING

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

W030

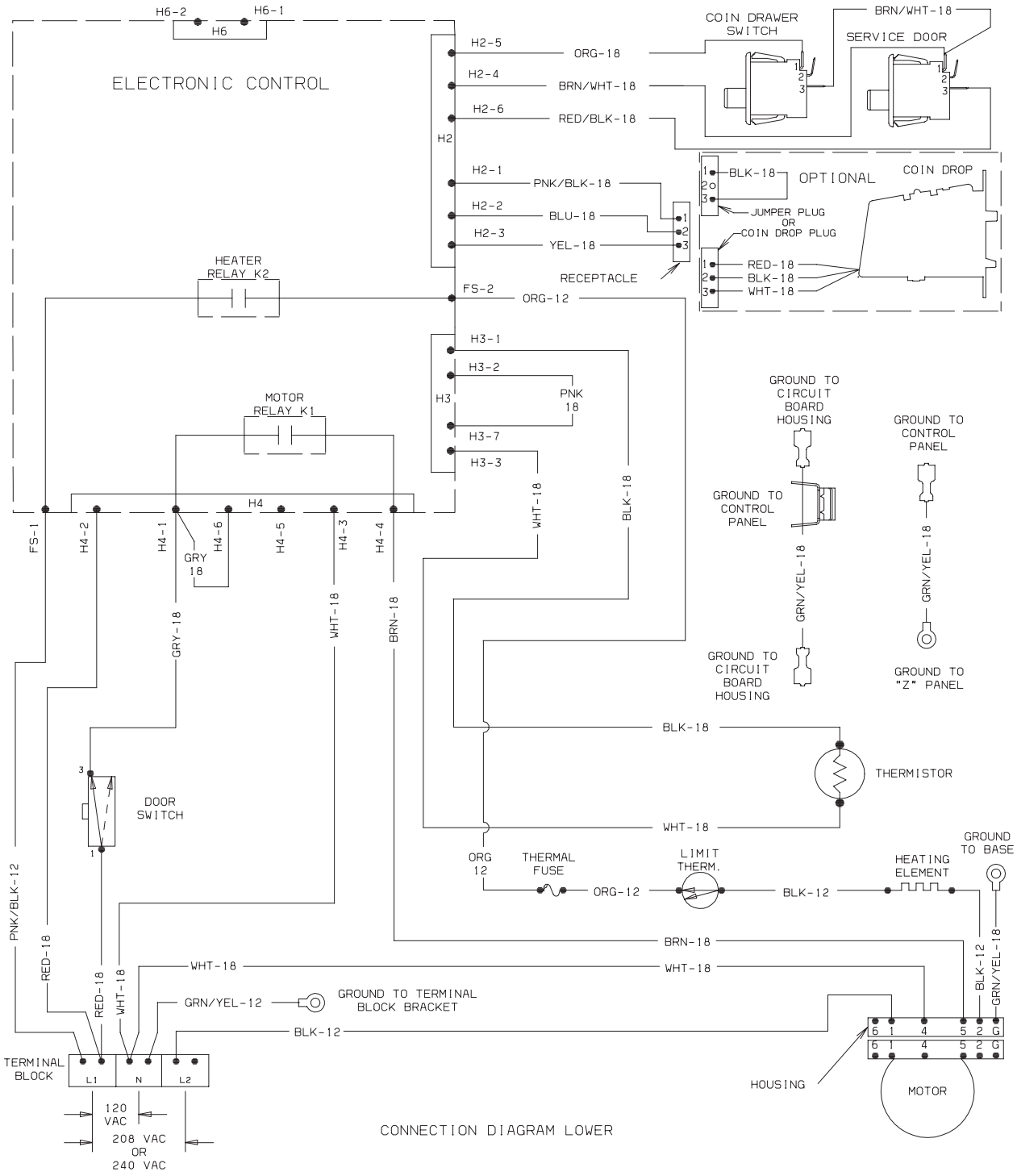


CONNECTION DIAGRAM – UPPER DRYER
Models SSE407*A, SSE417*A, SSE507*A and SSE517*A

WARNING

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

W030

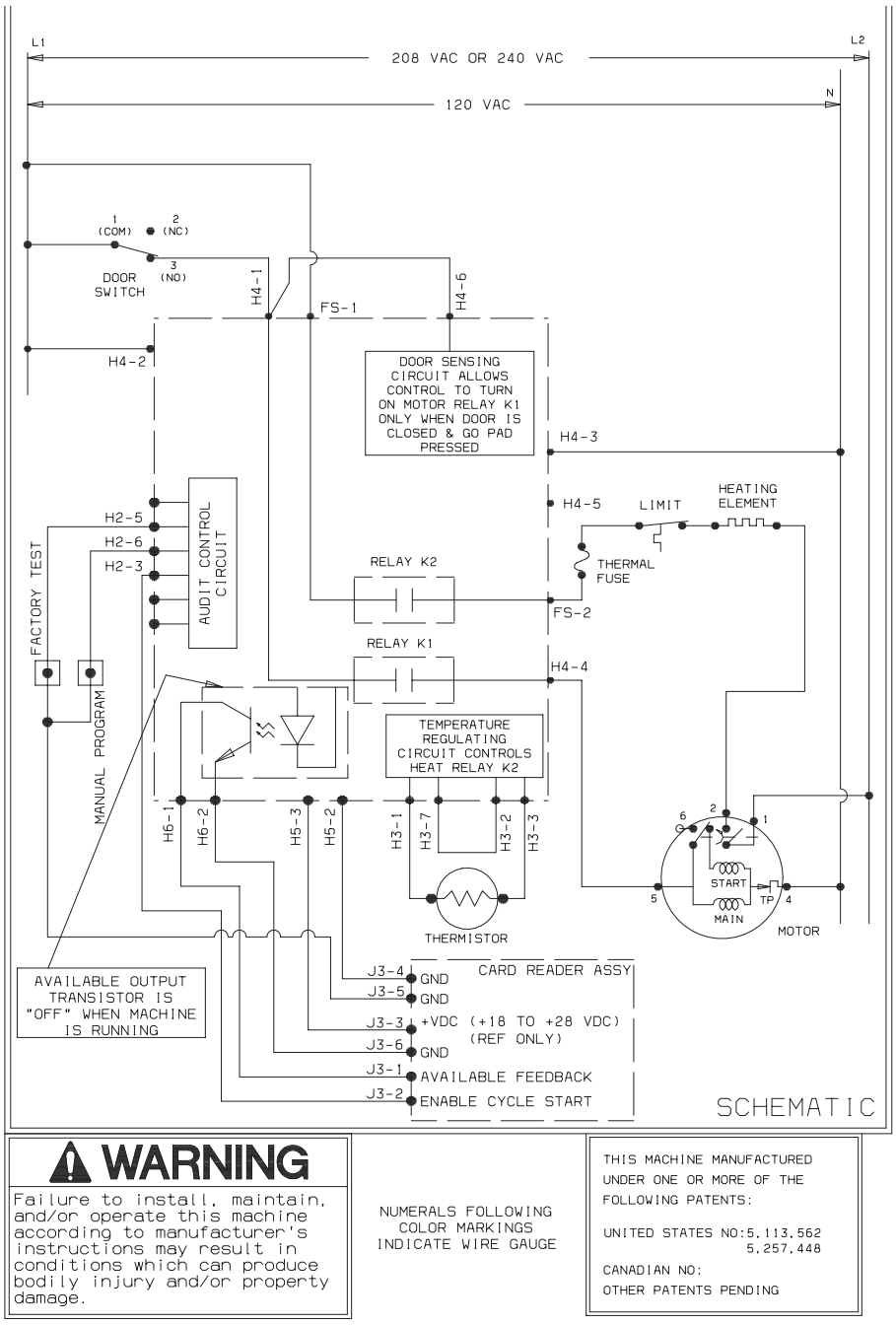


CONNECTION DIAGRAM – LOWER DRYER
Models SSE407*A, SSE417*A, SSE507*A and SSE517*A

WARNING

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

W030

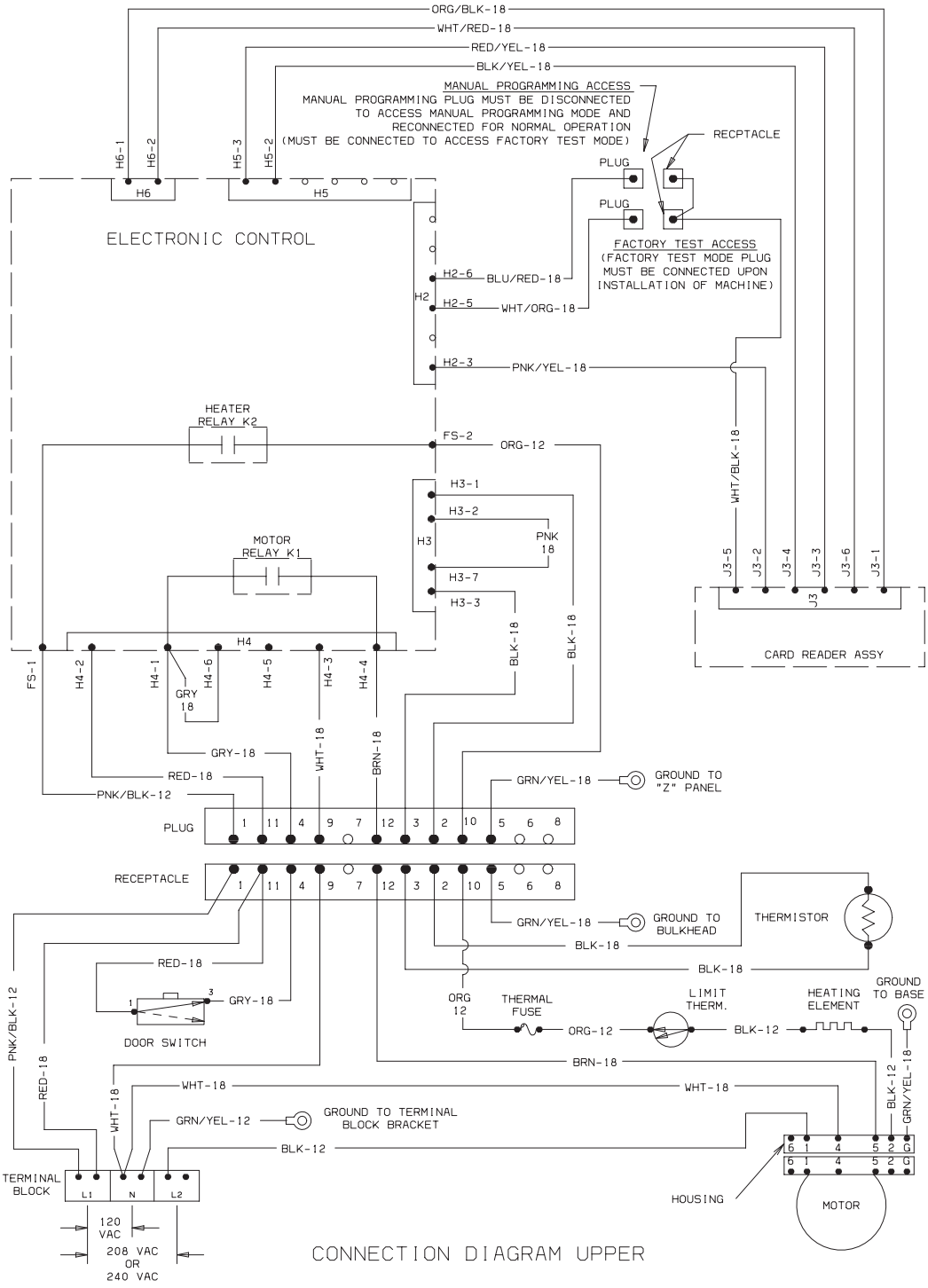


SCHEMATIC
Models SSE707*A and SSE717*A

WARNING

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

W030

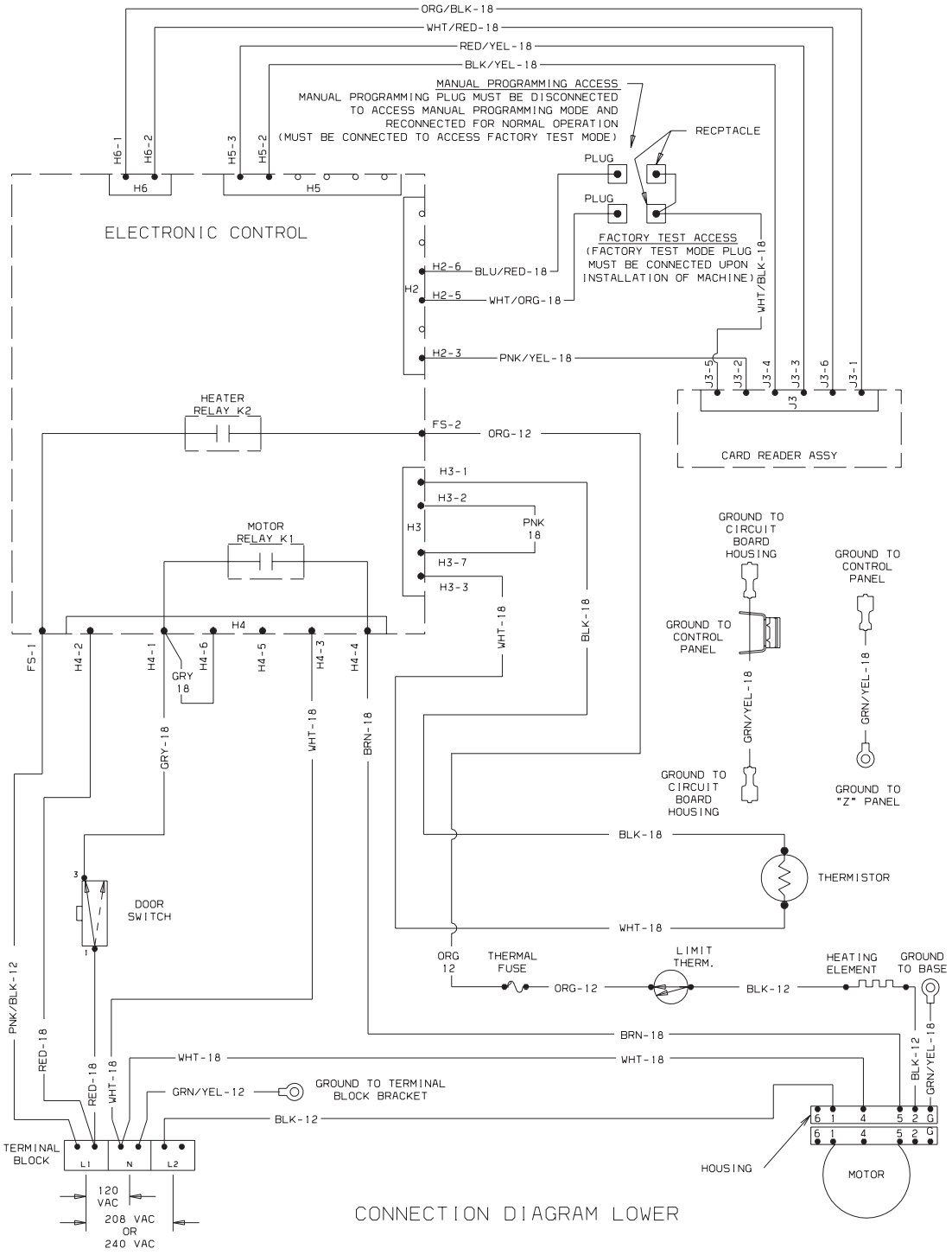


CONNECTION DIAGRAM – UPPER DRYER
Models SSE707*A and SSE717*A

WARNING

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

W030

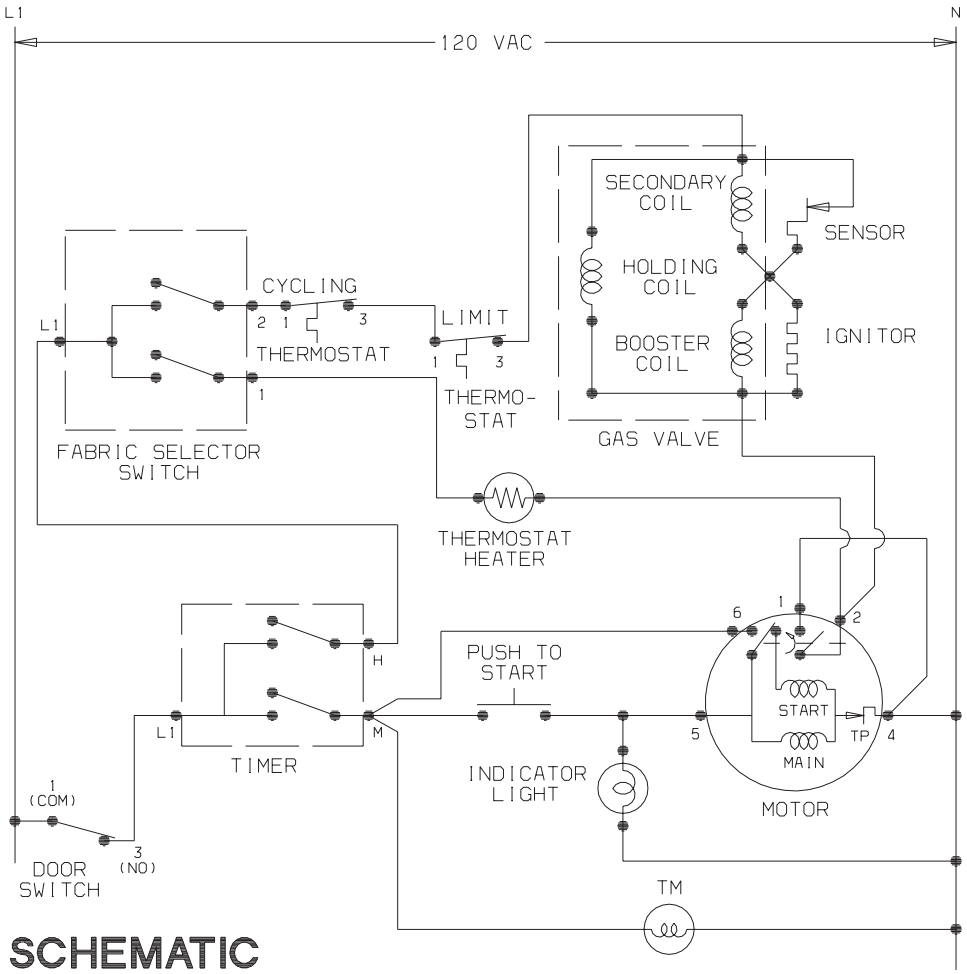


CONNECTION DIAGRAM – LOWER DRYER
Models SSE707*A and SSE717*A

WARNING

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

W030



SCHEMATIC

WARNING

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

THIS MACHINE MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING PATENTS:

UNITED STATES NO: 5,113,652

CANADIAN NO:
OTHER PATENTS PENDING

NOTE: NUMERALS FOLLOWING COLOR MARKINGS, INDICATE WIRE GAUGE.

"CAUTION: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation."

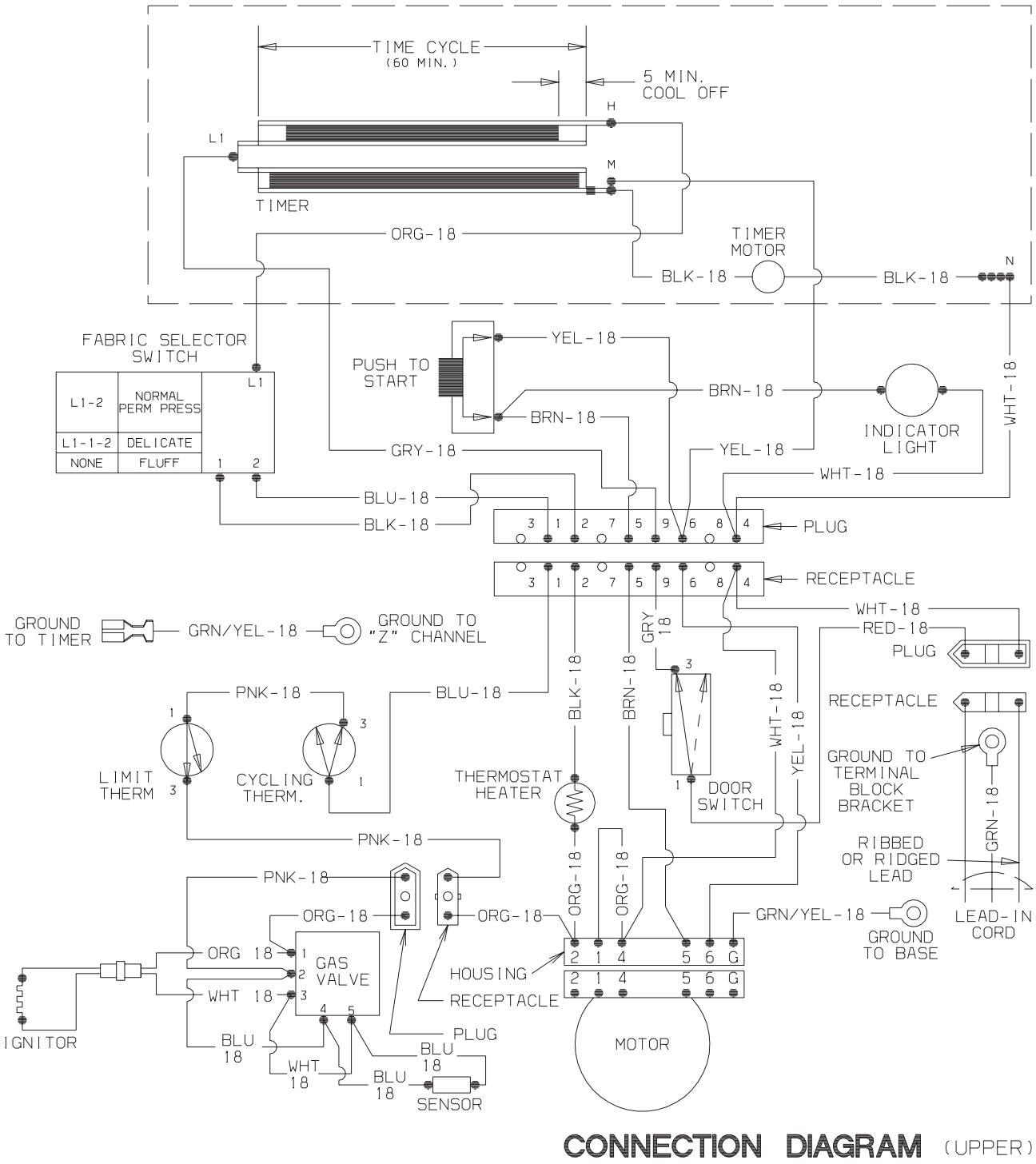
"Verify proper operation after servicing."

SCHEMATIC
Model SSG009*A and USG009*A

WARNING

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

W030

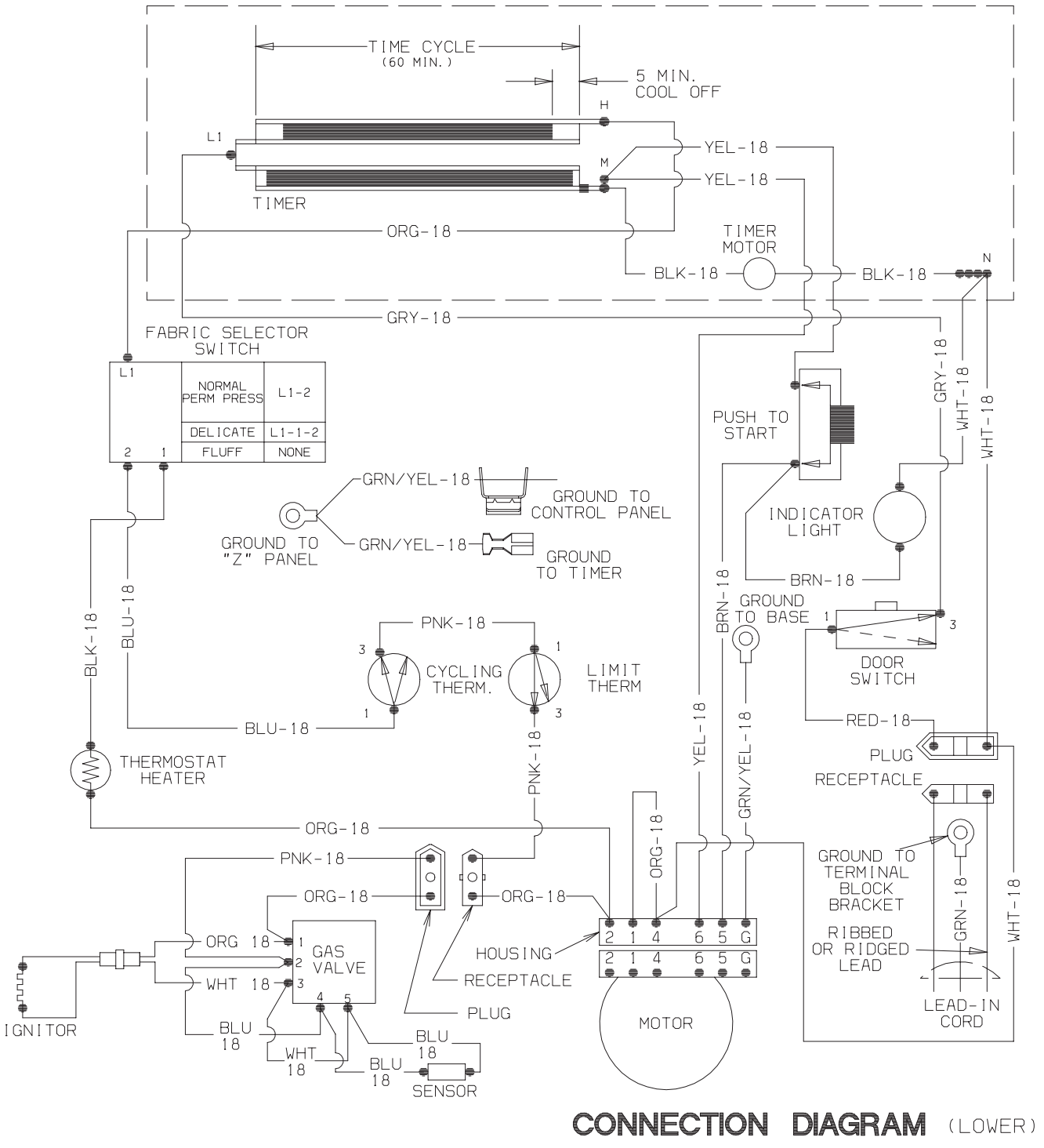


CONNECTION DIAGRAM – UPPER DRYER
Model SSG009*A and USG009*A

WARNING

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

W030



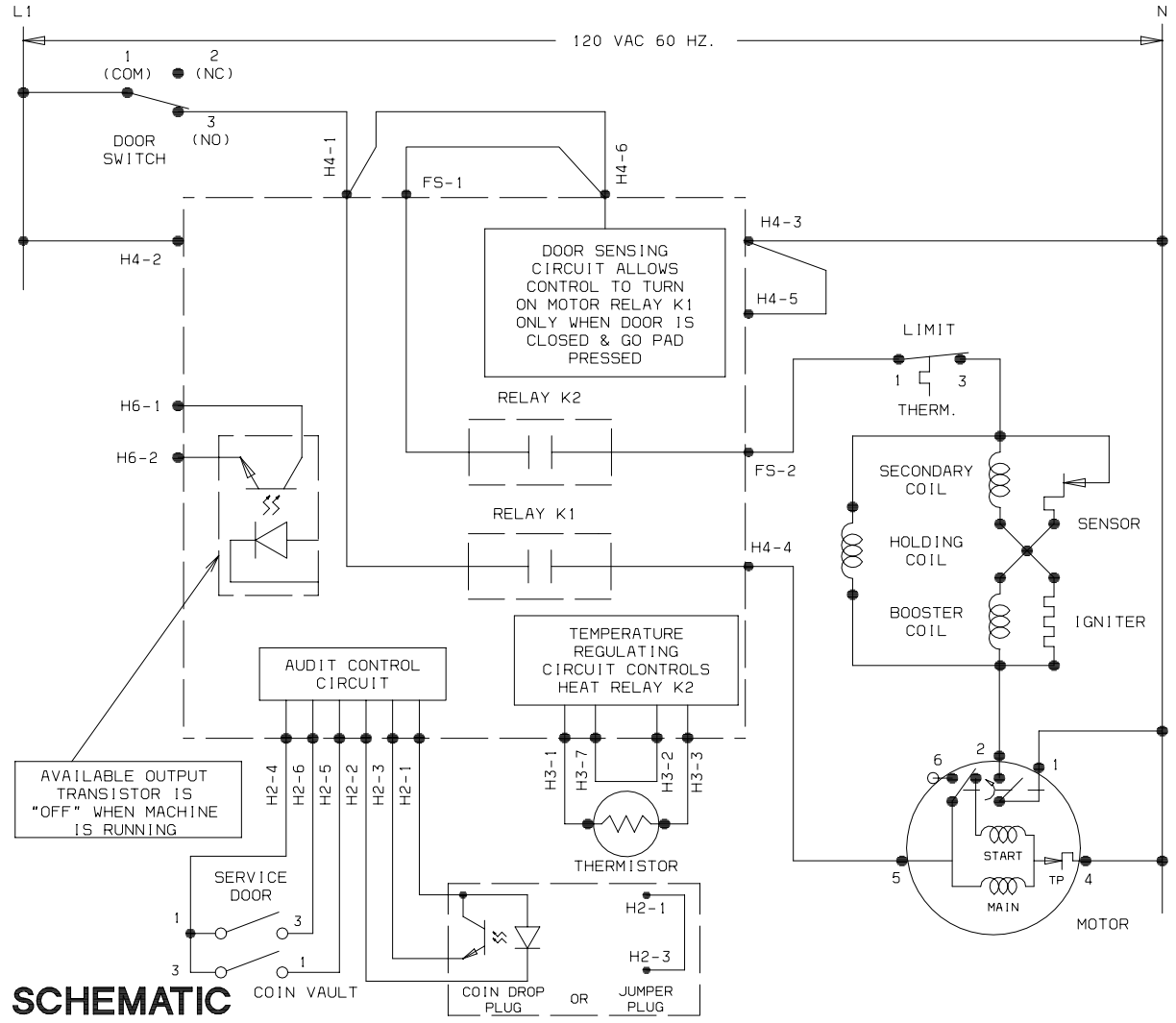
CONNECTION DIAGRAM (LOWER)

CONNECTION DIAGRAM – LOWER DRYER
Model SSG009*A and USG009*A

WARNING

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

W030



WARNING

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

"CAUTION: Lable all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation."

"Verify proper operation after srrvicing."

THIS MACHINE MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING PATENTS:
UNITED STATES NO:5,113,562
5,257,448

CANADIAN NO:
OTHER PATENTS PENDING

NOTE: NUMERALS FOLLOWING COLOR MARKINGS, INDICATE WIRE GAUGE.

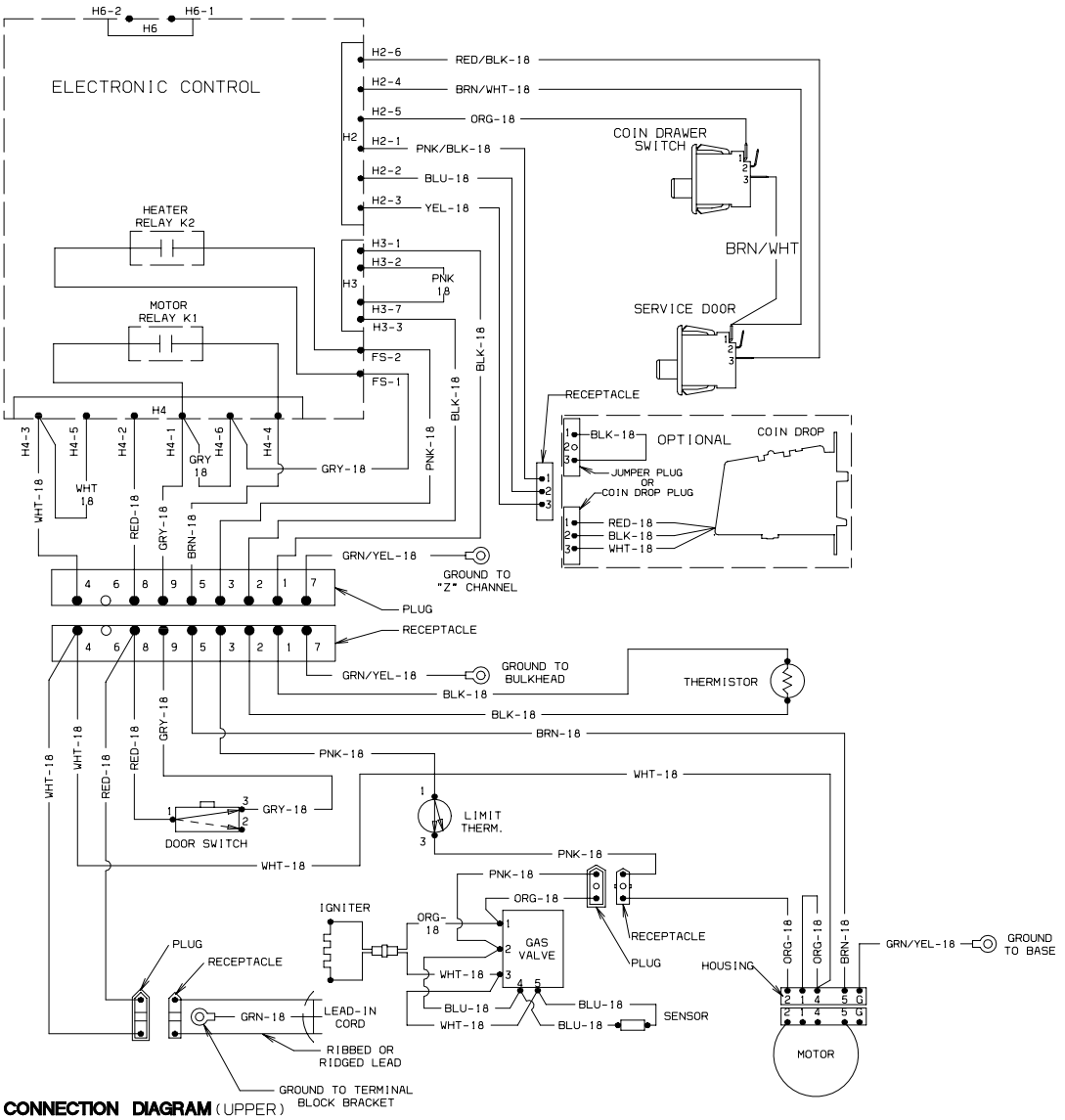
SCHEMATIC

Model SSG409*A, SSG419*A, SSG509*A and SSG519*A

WARNING

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

W030



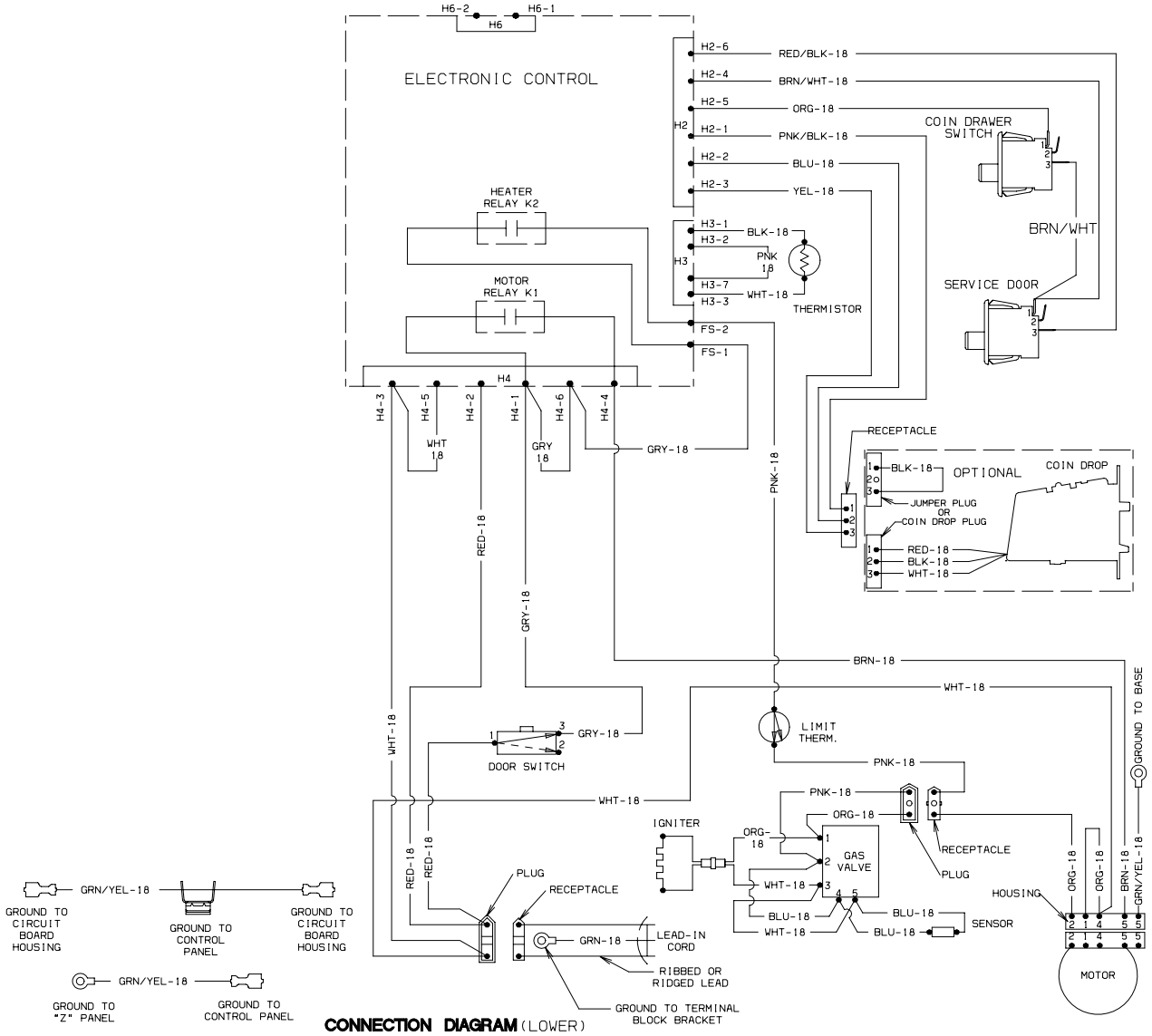
CONNECTION DIAGRAM (UPPER)

CONNECTION DIAGRAM – UPPER DRYER
Model SSG409*A, SSG419*A, SSG509*A and SSG519*A

WARNING

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

W030



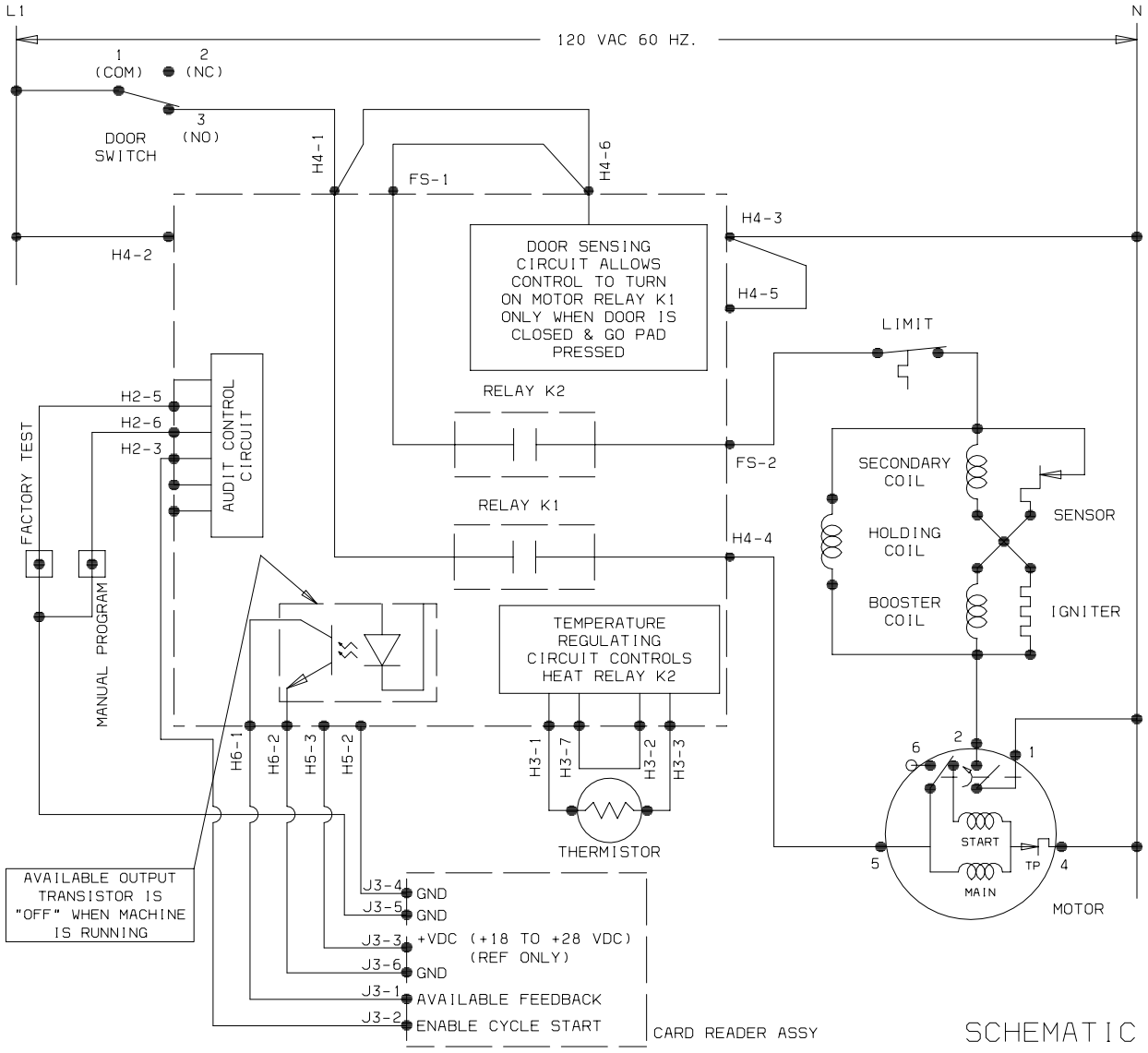
CONNECTION DIAGRAM (LOWER)

CONNECTION DIAGRAM – LOWER DRYER
Model SSG409*A, SSG419*A, SSG509*A and SSG519*A

WARNING

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

W030



SCHEMATIC

WARNING

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

"Caution: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation."
"Verify proper operation after servicing"

THIS MACHINE MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING PATENTS:

UNITED STATES NO: 5,113,562
5,257,448

CANADIAN NO:
OTHER PATENTS PENDING

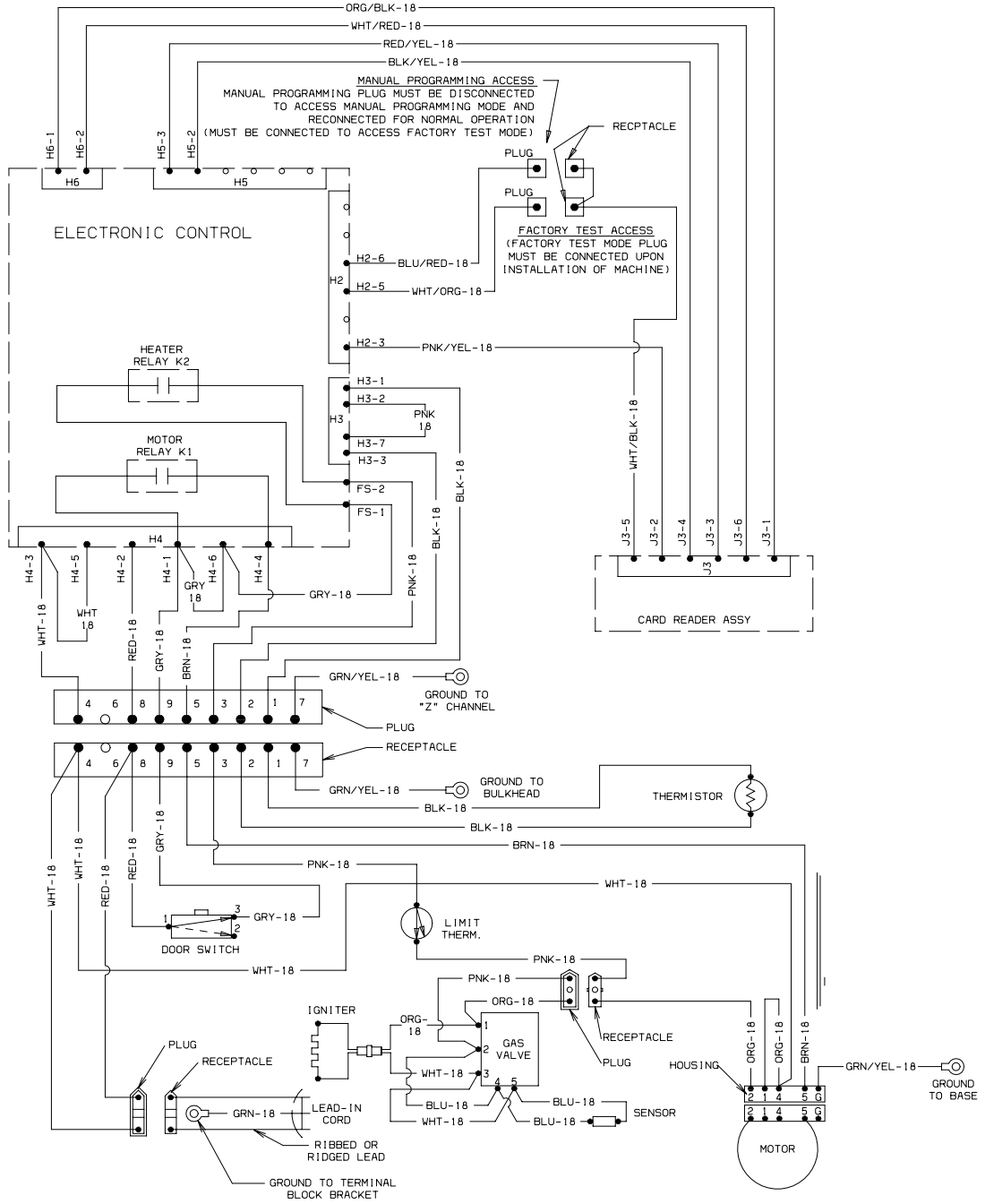
NOTE: NUMERALS FOLLOWING COLOR MARKINGS, INDICATE WIRE GAUGE.

SCHEMATIC
Models SSG709*A and SSG719*A

WARNING

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

W030



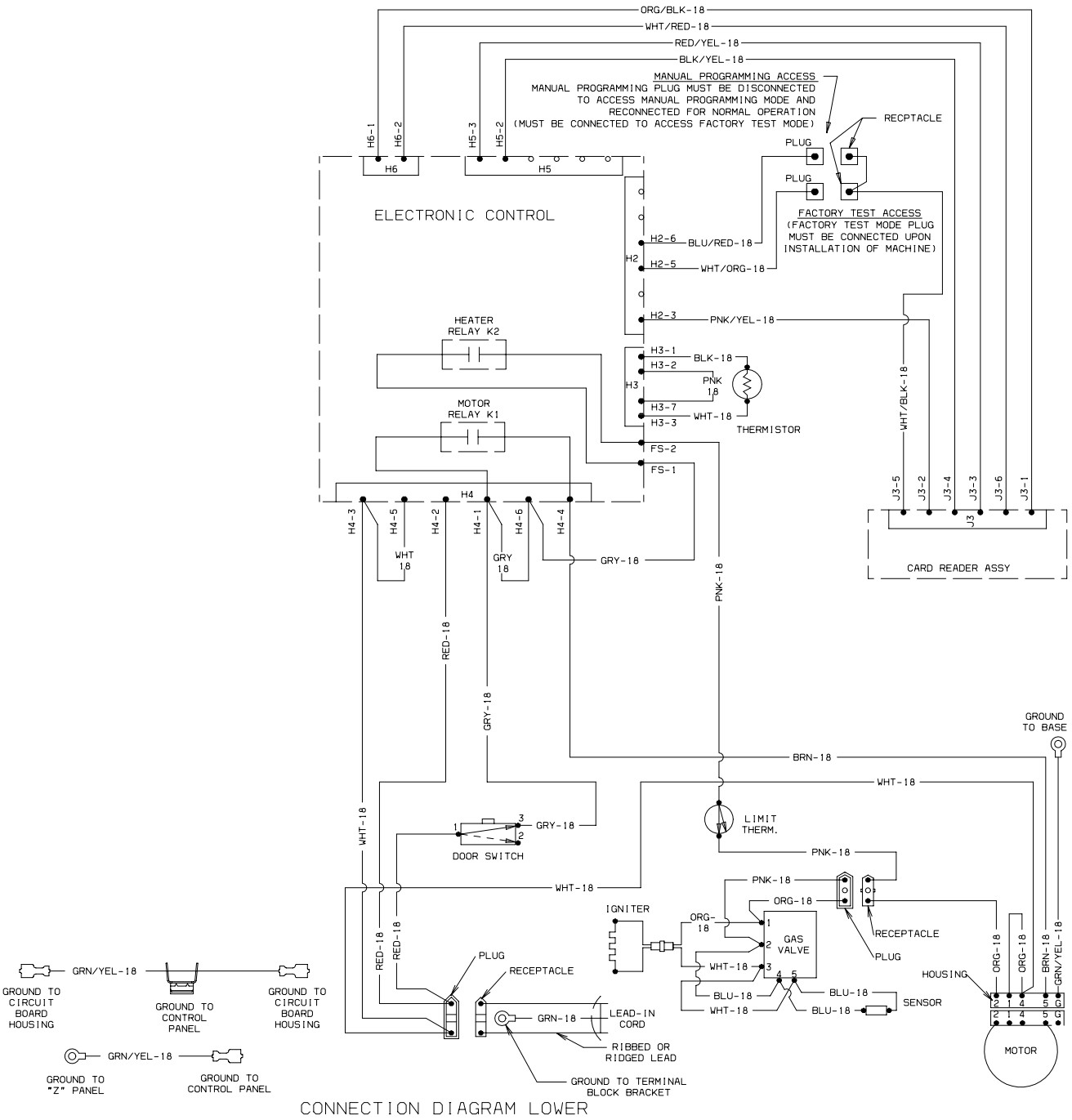
CONNECTION DIAGRAM UPPER

CONNECTION DIAGRAM – UPPER DRYER
Models SSG709*A and SSG719*A

WARNING

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

W030



CONNECTION DIAGRAM LOWER

CONNECTION DIAGRAM – LOWER DRYER
Models SSG709*A and SSG719*A