

# **Service Manual for Commercial Dryers**

**(“EE”, “EG”, “GE”, “ZE” and “ZG” Series  
Metered and Nonmetered)**

**See *Page 2* for Model Numbers**

#### **▲ 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 that you understand and have the skills to carry out.

Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the product is properly grounded and to reduce the risk of fire, electric shock, serious injury, or death.

W006R1

#### **▲ WARNING**

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. It must be understood that common sense, caution and carefulness are factors which CANNOT be built into these products. These factors MUST BE supplied by the person(s) installing, maintaining or operating the product.

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

### **Recognize Safety Symbols, Words and Labels**

**▲ DANGER** — Immediate hazards which WILL result in serious injury or death.

**▲ WARNING** — Hazards or unsafe practices which COULD result in serious injury or death.

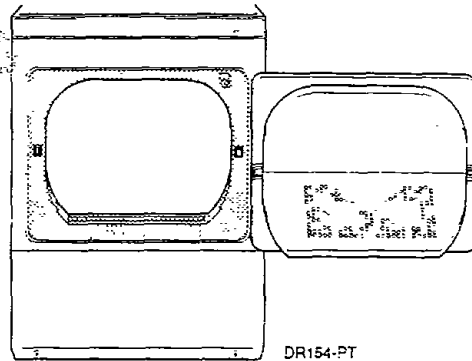
**▲ CAUTION** — Hazards or unsafe practices which COULD result in minor or moderate injury or product or property damage.

W009

## Nameplate location

### IMPORTANT

When writing for information on any dryer, be sure to mention model and serial numbers. The model and serial numbers will be found on the nameplate in one of the four corners of the door well. The door well is the shaded area shown.



DR154-PT

## Model Identification

Information in this manual is applicable to these model dryers.

Model Numbers	Nonmetered Models	Metered Models	Audit Models	Computerize Audit Models	Electric Heat	Gas Heat
EE2007-1500	X				X	
EE2007-3000	X				X	
EE2007-4350	X				X	
EG2009-3000	X					X
EG2009-3058	X					X
EE2107-1500		X			X	
EE2107-3000		X			X	
EE2107-3066		X			X	
EE2107-4350		X			X	
EE2107-5412		X			X	
EG2109-3000		X				X
EG2109-3013		X				X
EG2109-5412		X				X
EE2507-1500		X	X		X	
EE2607-1500		X		X	X	
GE2107-1502					X	
GE2107-1702					X	
ZE2007-1702	X				X	
ZE2007-3003	X				X	
ZE2007-3004	X				X	
ZE2007-3005	X				X	
ZE2007-3008	X				X	
ZG2009-3004	X					X
EG2009-3005	X					X
EG2009-3008	X					X
ZE2107-1502		X			X	
ZE2107-1702		X			X	
ZE2107-3000		X			X	
ZG2109-1102		X				X
ZG2109-3000		X				X
ZG2109-3013		X				X

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# SECTION I

## Earthing (Grounding)

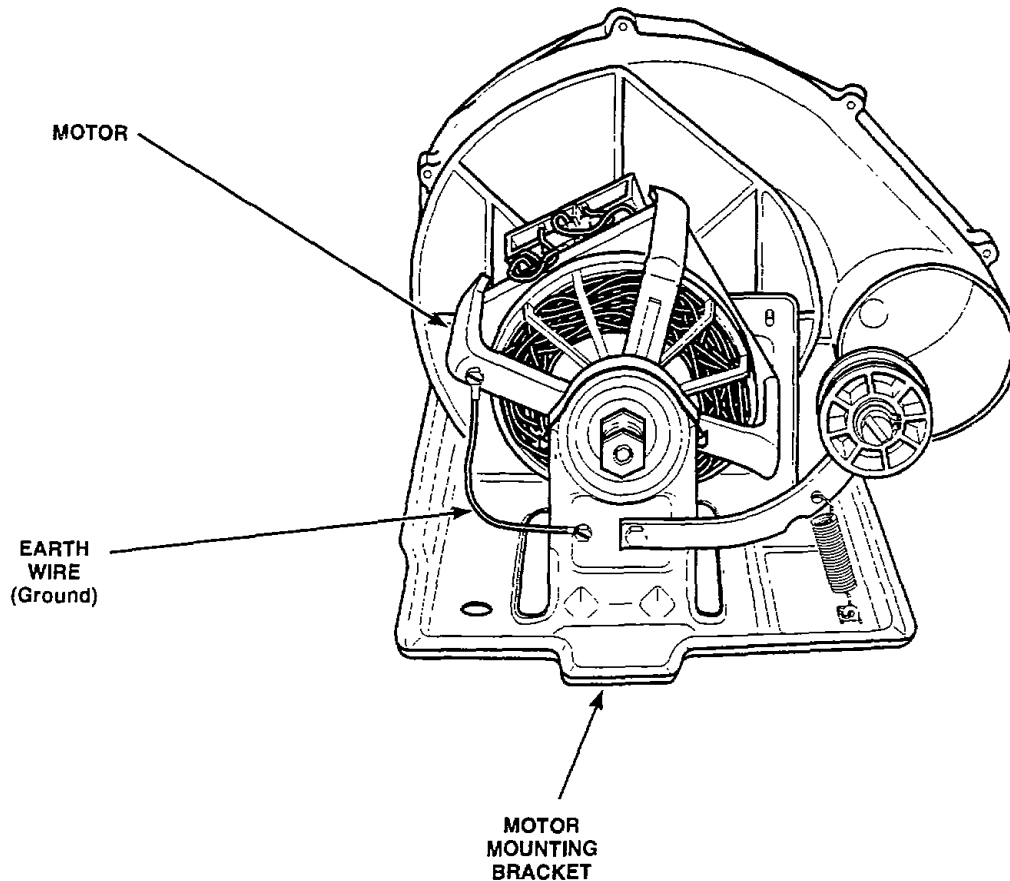
### ⚠ WARNING

To reduce the risk of electrical 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.

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#### 1. MOTOR MOUNTING BRACKET TO MOTOR (Gas and Electric Models — *Figure 1*).



DR095-GD

Figure 1

## ⚠ WARNING

To reduce the risk of electrical 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.

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### 2. NEUTRAL AT TERMINAL BLOCK TO REAR BULKHEAD AND FROM REAR BULKHEAD TO CONTROL HOUSING (Electric Models Only — Figure 2).

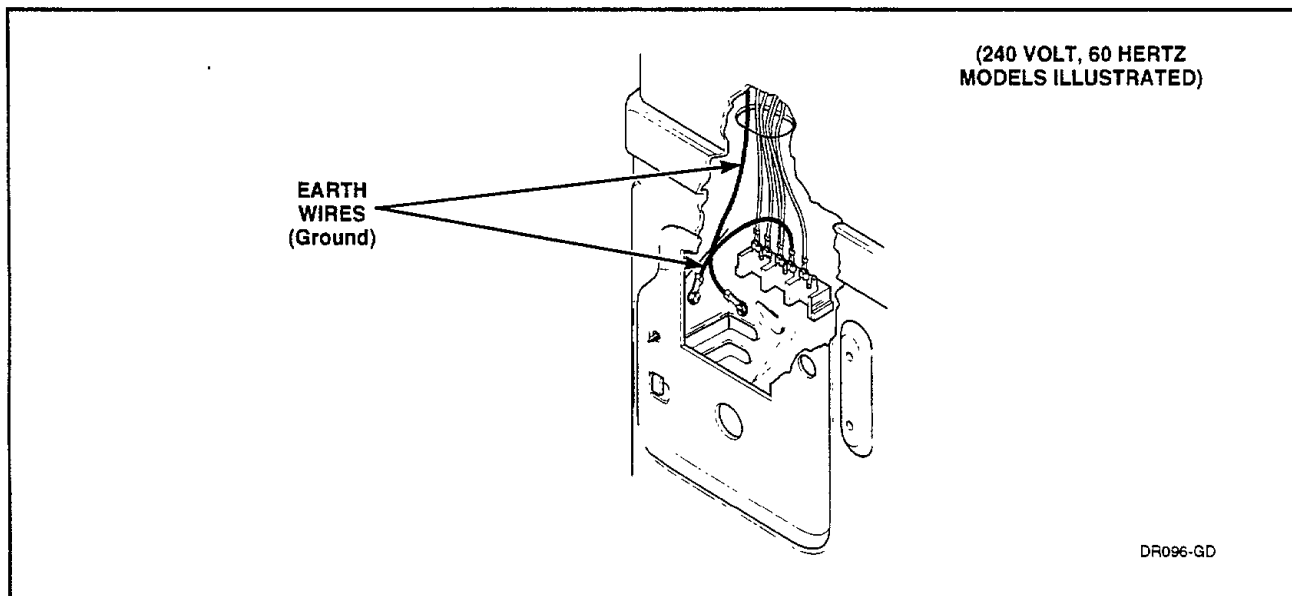


Figure 2

### 3. POWER CORD TO REAR BULKHEAD AND FROM REAR BULKHEAD TO CONTROL HOUSING. WALL RECEPTACLE POLARITY CHECK (Gas Models Only — Figure 3).

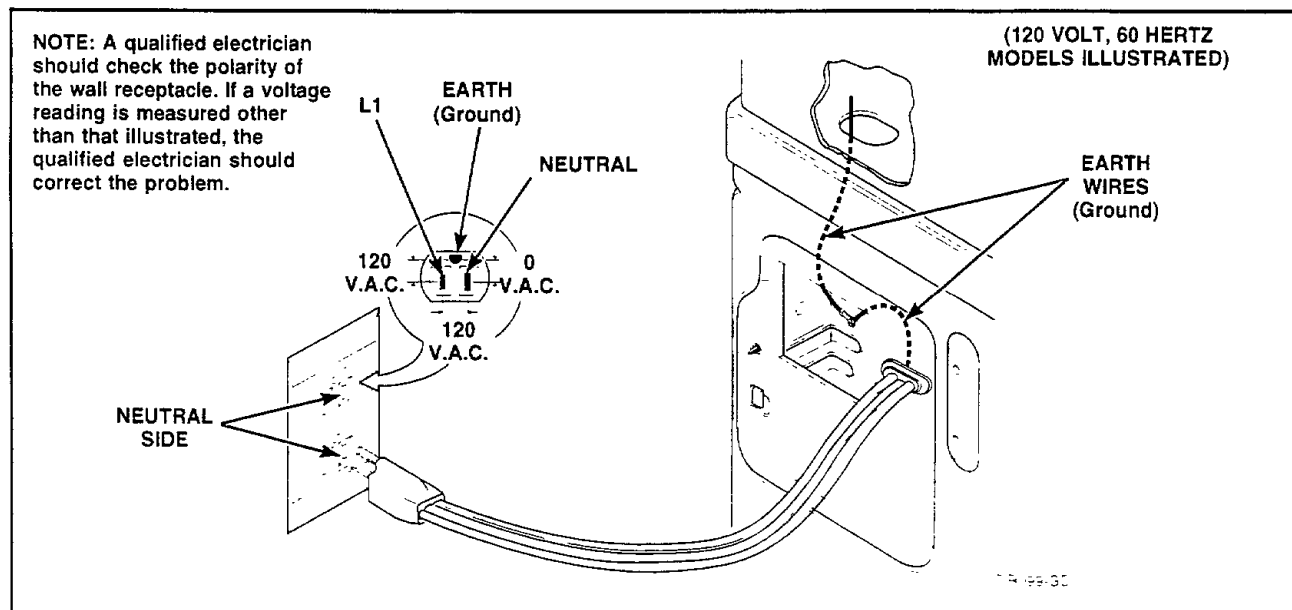


Figure 3

# **⚠ WARNING**

**To reduce the risk of electrical 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.**

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## **4. METERED AND NONMETERED MODELS — FROM REAR BULKHEAD TO ACCUMULATOR BRACKET OR TIMER (Depending on model) AND FROM CABINET TOP TO CONTROL PANEL.**

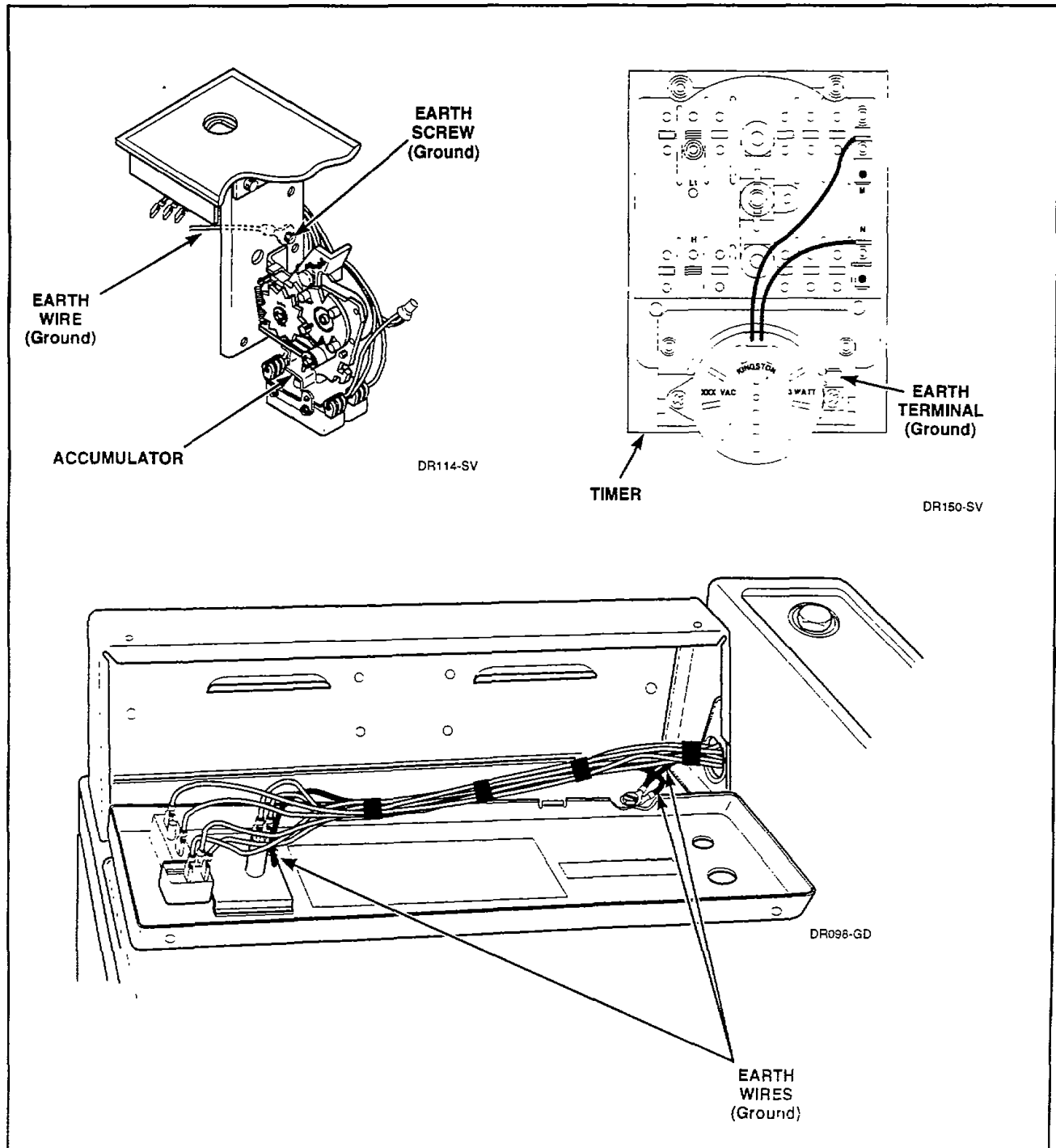


Figure 4

# SECTION II

## Service Procedures

### ⚠ WARNING

To reduce the risk of electrical 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.

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

#### 5. CONTROL PANEL, TEMPERATURE SWITCH, PUSH-TO-START SWITCH AND INDICATOR LIGHT (Figure 5 or 6)

**NOTE:** Refer to appropriate wiring diagram when reconnecting wires.

- Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top.
- Disconnect all wires to TEMPERATURE SWITCH, PUSH-TO-START switch and INDICATOR LIGHT and remove ground clip and screw holding ground wire to cabinet top and control panel.

- Loosen setscrew holding temperature switch knob to shaft and pull knob off shaft.
- Remove knurled nut holding temperature switch to panel and remove switch.
- Remove hex nut from PUSH-TO-START switch and remove switch.
- Squeeze locking tabs on INDICATOR LIGHT and pull light out from back of panel.

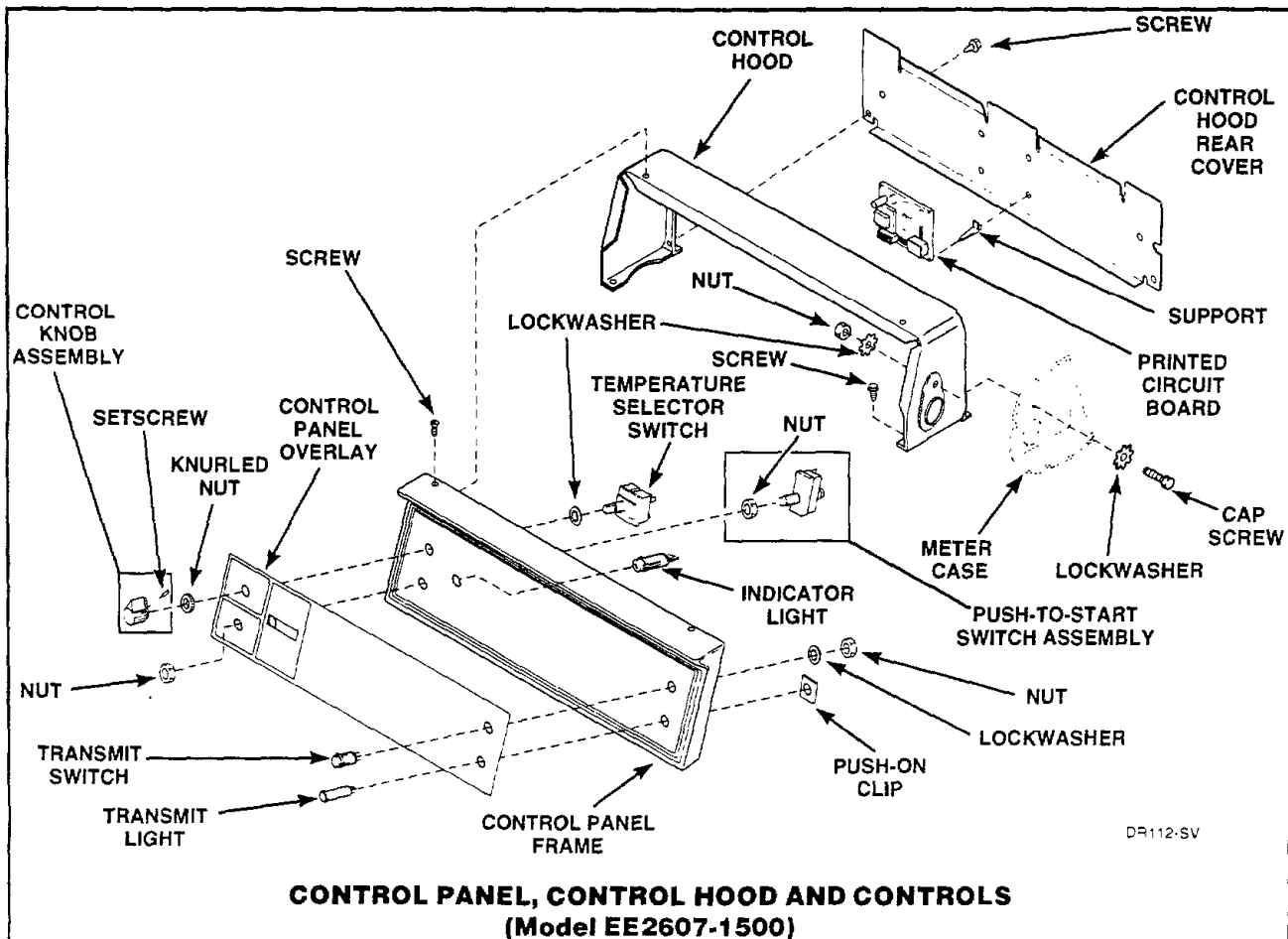
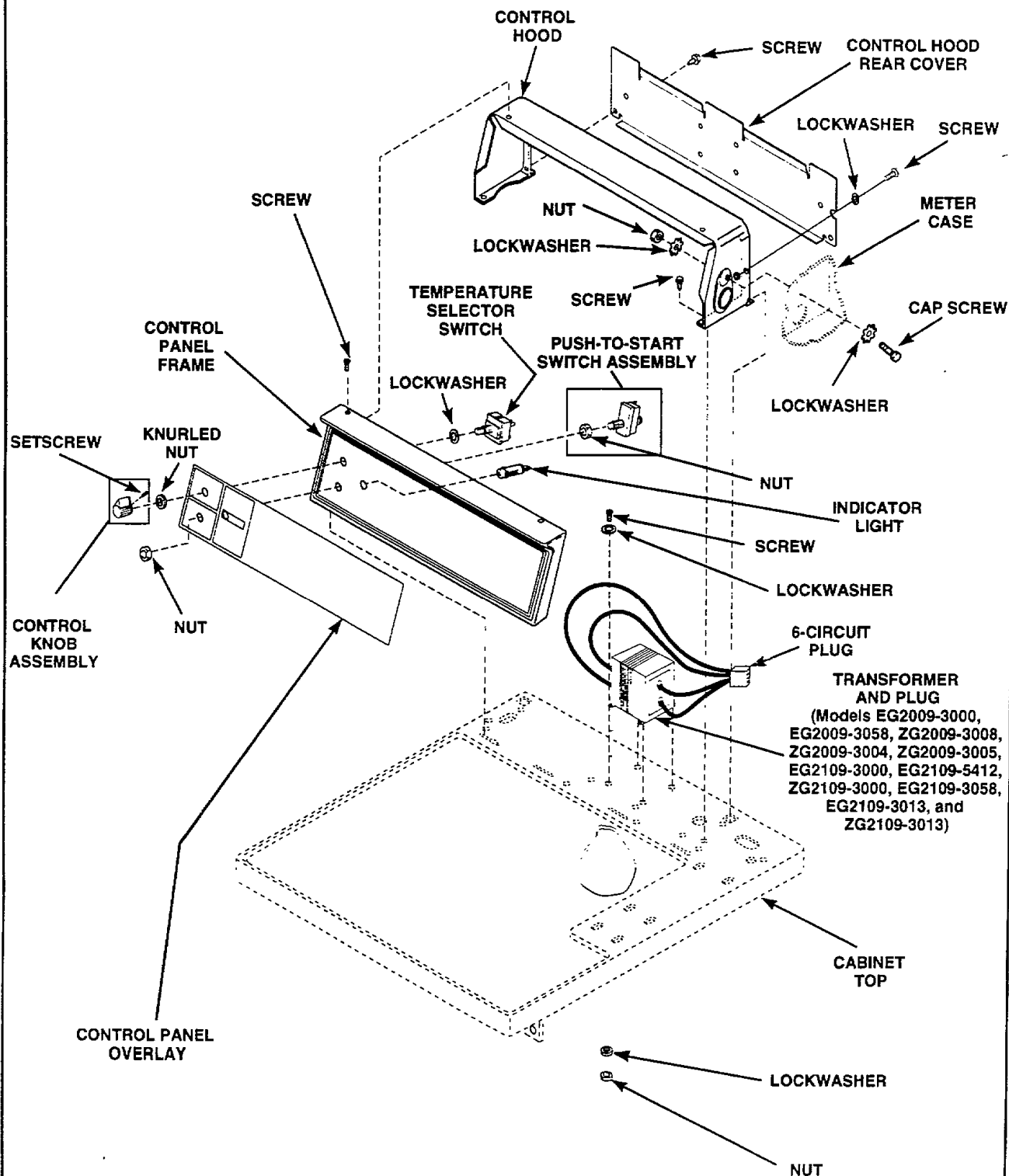


Figure 5





**CONTROL PANEL, CONTROL HOOD AND CONTROLS**  
(All Models Except EE2607-1500)

DR203-PT

Figure 6

## **▲WARNING**

**To reduce the risk of electrical 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.**

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### **6. CONTROL PANEL OVERLAY (*Figure 5 or 6*)**

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

### **7. TIMER (Nonmetered Models)**

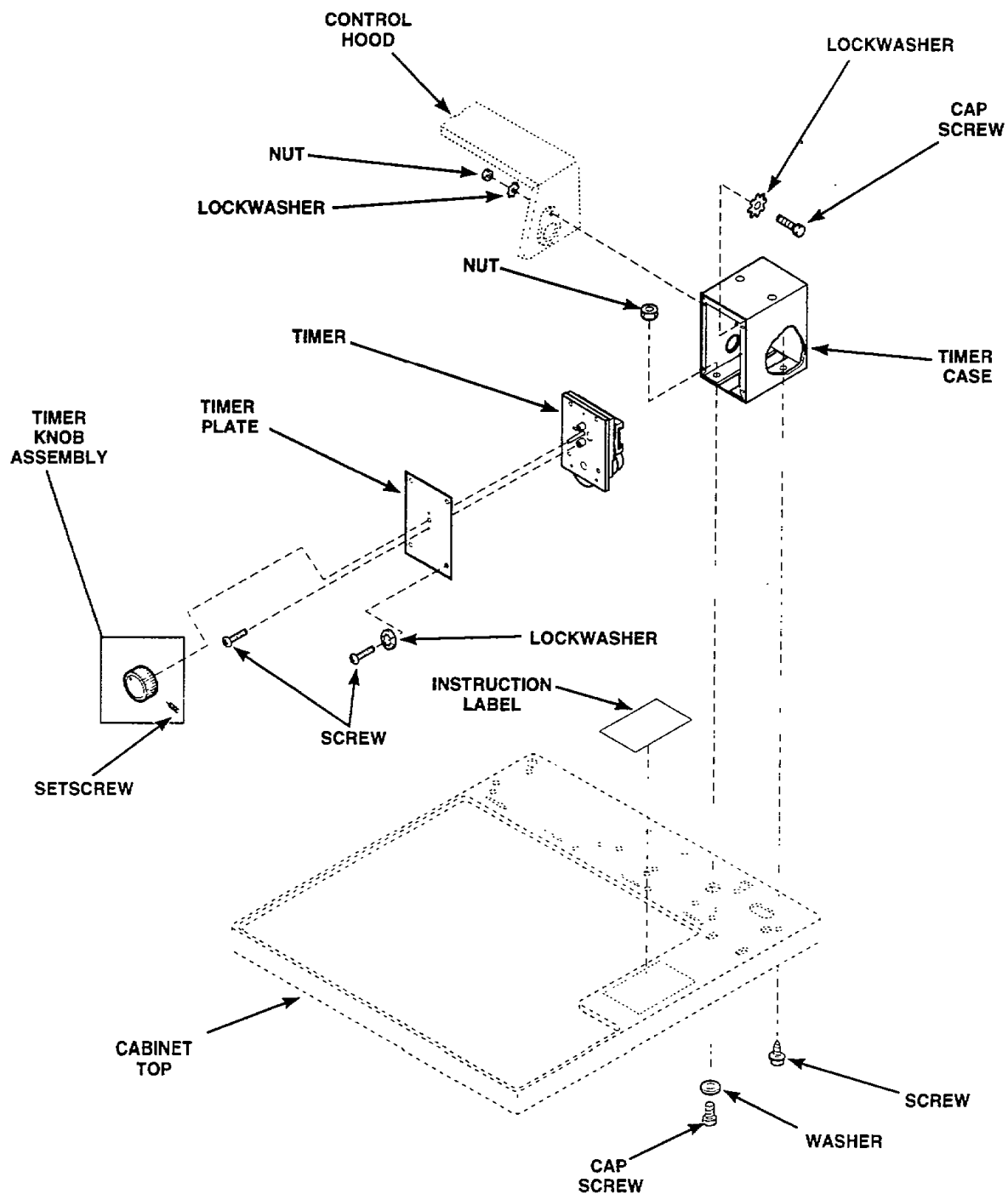
- Refer to *Figure 7* for timer removal.
- Loosen setscrew holding timer knob to timer shaft and remove knob.
- Remove four screws and lockwasher holding timer and plate to timer case.

**NOTE: When reinstalling timer plate, lockwasher must be between head of screw and plate, *Figure 7*.**

- Pull timer and plate out of timer case as far as wires will permit.
- Remove earth wire (ground) from earth terminal (ground) on timer, *Figure 4*.
- Disconnect wires from timer.

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

- Remove two screws holding timer to plate, *Figure 7*.



DR113-SV

Figure 7

## **⚠ WARNING**

**To reduce the risk of electrical 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.**

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### **8. CONTROL HOOD**

- Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top, *Figure 5 or 6*.
- Disconnect all wires to TEMPERATURE SWITCH, PUSH-TO-START switch and INDICATOR LIGHT and remove ground clip and screw holding earth wire (ground) to cabinet top and control panel, *Figure 4*. (Refer to appropriate wiring diagram when reconnecting wires.)

#### **c. Metered models: (Refer to *Figure 8*)**

- (1) Insert key in service door lock on top of meter case and unlock door.
- (2) Lift rear of service door approximately 45° off meter case to disengage notched tabs with internal rib at top of meter case.

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

#### **Nonmetered models: (Refer to *Figure 7*)**

- (1) Remove four screws and lockwasher holding timer and plate to timer case.

**NOTE: When reinstalling timer plate, lockwasher must be between head of screw and plate, *Figure 7*.**

- (2) Pull timer and plate out of timer case as far as wires will permit.

- Remove cap screw holding control hood to meter case or timer case, *Figure 6 or 7*.
- Remove two screws holding control hood to cabinet top and lift hood off rear tabs, *Figure 5 or 6*.

### **9. CONTROL HOOD REAR COVER**

Refer to *Figure 5 or 6* for removal.

### **10. SERVICE DOOR, ACCUMULATOR AND COUNTER (Metered Models - *Figure 8*)**

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

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

- Disconnect accumulator wires at connectors.

**NOTE: Refer to appropriate wiring diagram when reconnecting wires.**

- Remove earth screw (ground) holding green earth wire (ground) to accumulator mounting bracket.
- Remove two screws and lockwashers holding accumulator to mounting bracket.
- Counter (if present)**
  - (1) Disconnect wire from terminal on accumulator switch "C."
  - (2) Cut other wire at butt splice connector.

**NOTE: The butt splice connector will need to be replaced during reinstallation.**

- (3) Cut harness strap holding wires to bracket.

**NOTE: Harness strap must be replaced during reinstallation.**

- (4) The counter is mounted inside the meter case with double-sided tape.

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

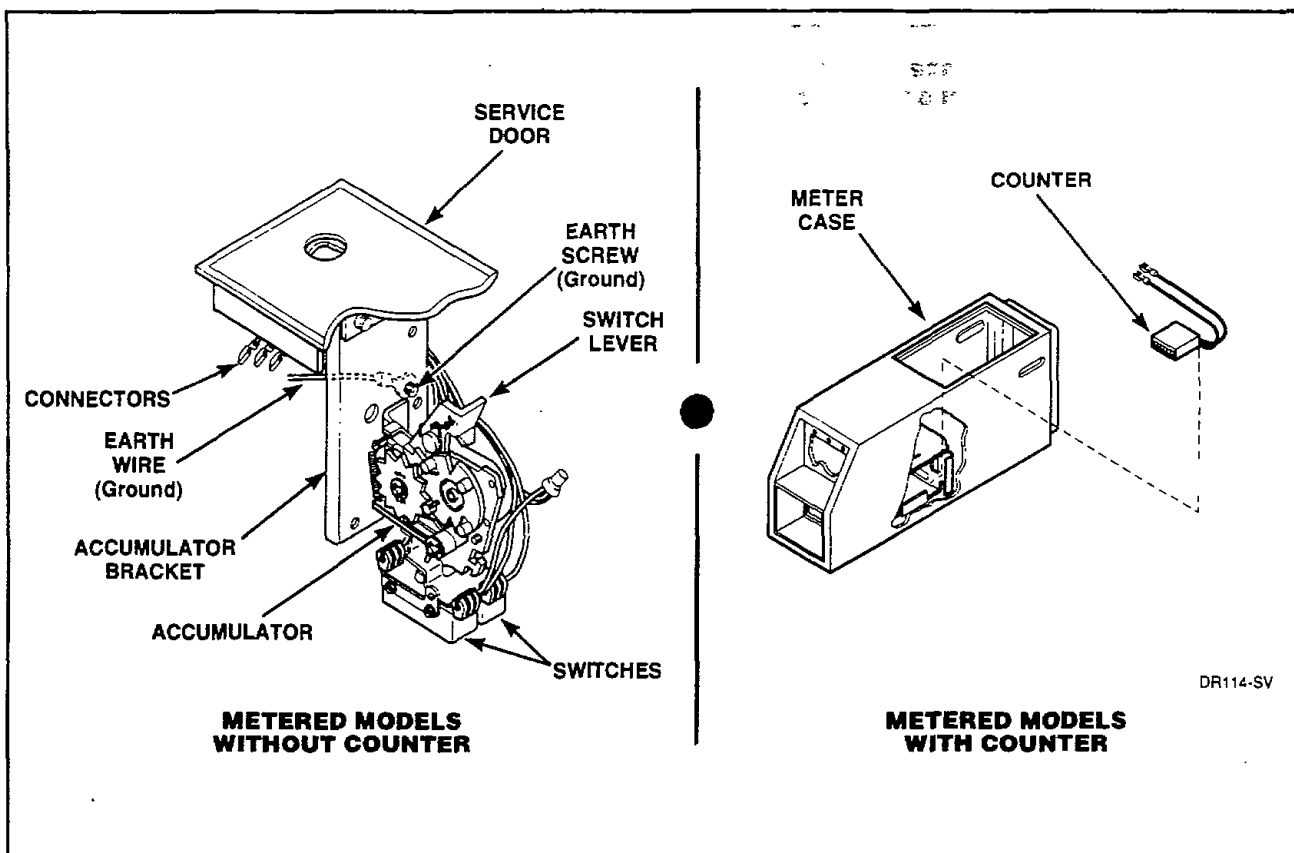


Figure 8

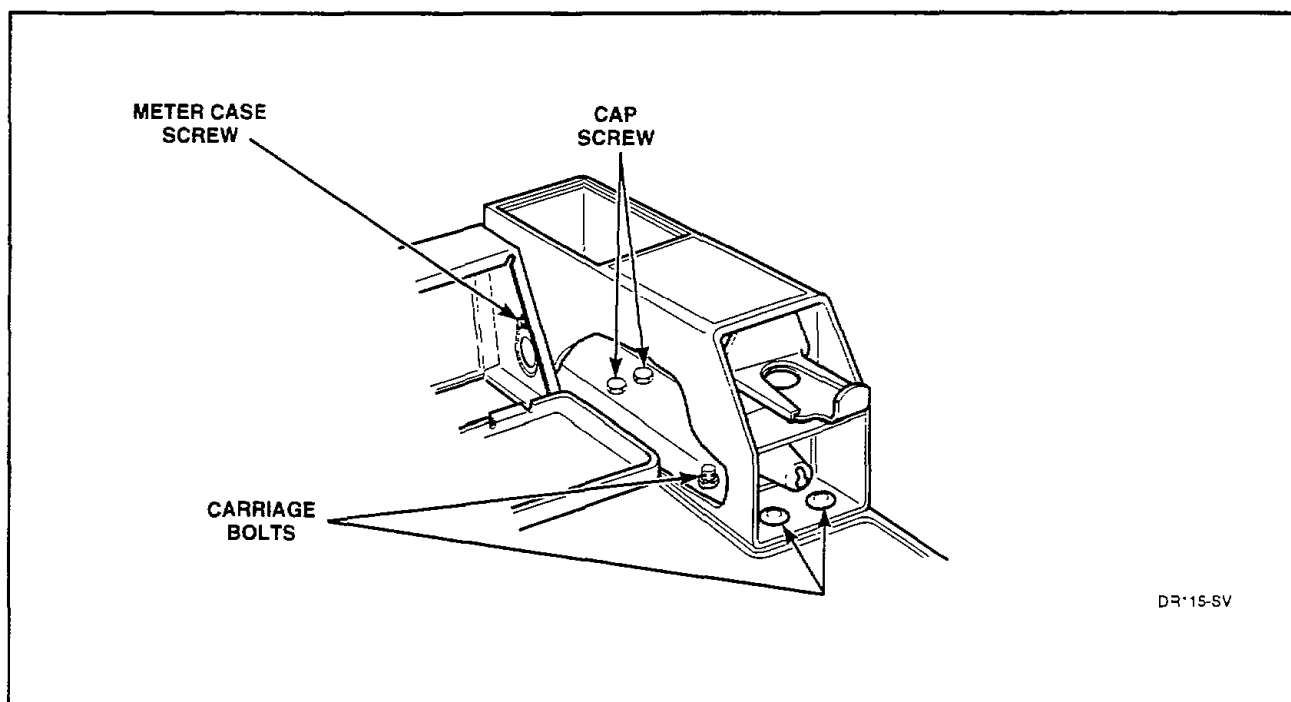


Figure 9

## ▲WARNING

**To reduce the risk of electrical 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.**

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### 11. METER CASE (Metered Models)

- Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top, *Figure 5 or 6*.
- Disconnect all wires to components, and remove earth clip (ground) and screw holding earth wire (ground) to cabinet top and control panel, *Figure 4*.

**NOTE: Refer to appropriate wiring diagram when reconnecting wires.**

- Insert key in service door lock on top of meter case and unlock door, *Figure 8*.
- Lift rear of service door approximately 45° off meter case to disengage notched tabs with internal rib at top of meter case, *Figure 8*.

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

- Disconnect accumulator wires at connectors, *Figure 8*.

**NOTE: Refer to appropriate wiring diagram when reconnecting wires.**

- Remove earth screw (ground) holding green earth wire (ground) to accumulator mounting bracket, *Figure 8*.
- Remove two cap screws holding meter case to cabinet top, *Figure 9*.
- Remove nut, lockwasher and screw holding meter case to right end of control hood, *Figure 9*.
- While supporting the lower access panel, remove two screws from bottom edge of lower access panel, *Figure 10*.
- Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- Remove two screws holding bottom tabs on front panel to dryer cabinet. Swing front panel away from dryer to disengage hold-down clips and guide lugs from cabinet top, *Figure 11*.

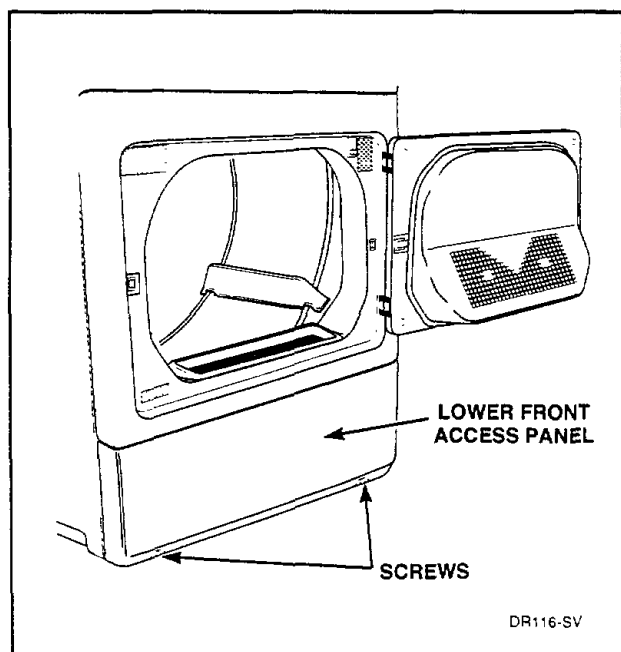


Figure 10

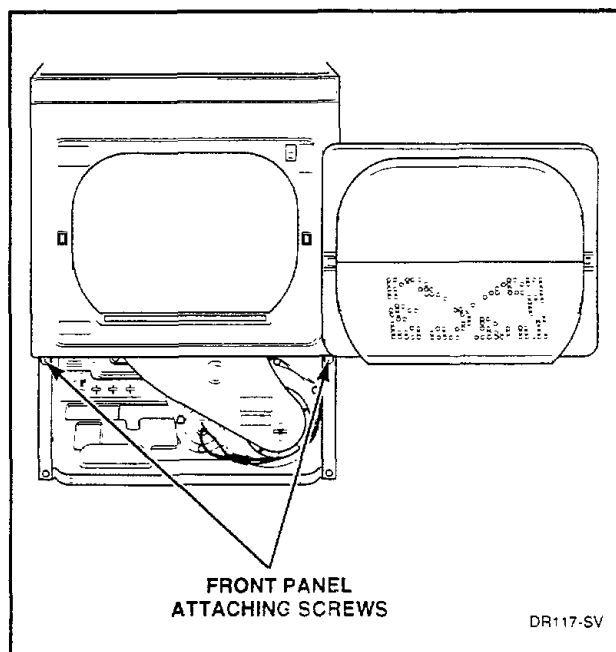


Figure 11

(continued)

# **WARNING**

**To reduce the risk of electrical 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.**

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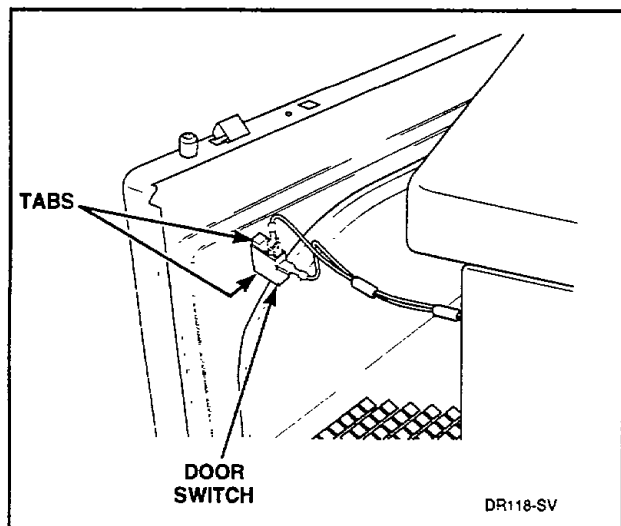


Figure 12

- l. Disconnect wires from door switch, *Figure 12*.

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

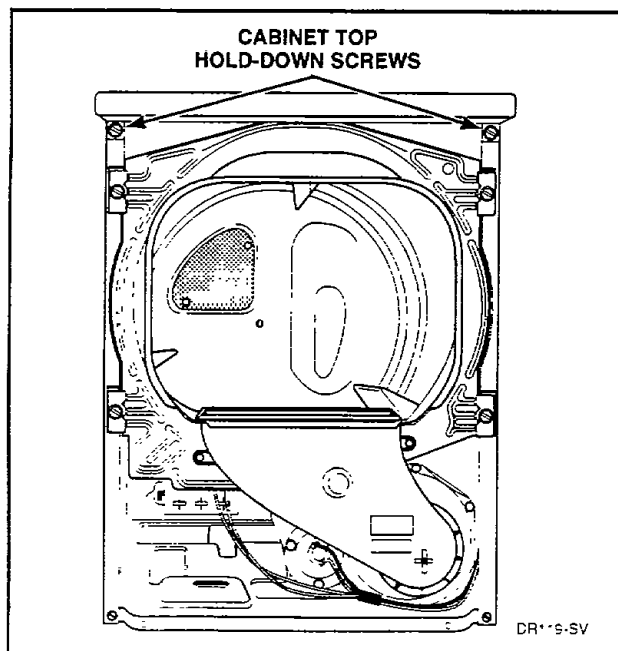


Figure 13

- m. Remove two cabinet top hold-down screws, *Figure 13*.

- n. Lift cabinet top to a vertical position by hinging it on the rear hinges, *Figure 14*.

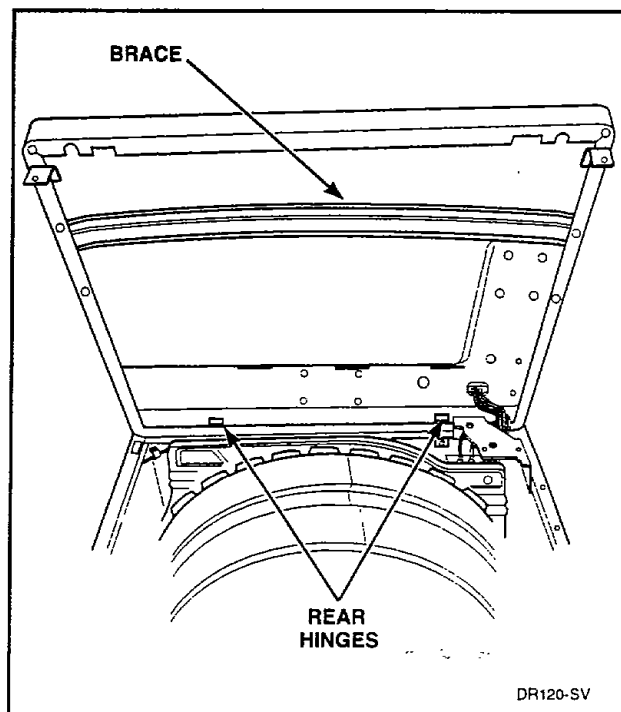


Figure 14

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

- o. Carefully withdraw the wire harness through hole in cabinet top and lift the entire cabinet top assembly off the rear hinges, *Figure 14*.
- p. Lay the cabinet top assembly flat, remove carriage bolts, washers, bracket, gasket and nuts holding meter case to cabinet top and remove meter case. *Figure 9*.

## **⚠ WARNING**

**To reduce the risk of electrical 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

### **12. TIMER CASE (Nonmetered Models)**

- Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top, *Figure 5 or 6*.
- Disconnect all wires from components and remove earth clip (ground) and screw holding earth wire (ground) to cabinet top and control panel, *Figure 4*.

**NOTE: Refer to appropriate wiring diagram when reconnecting wires.**

- Remove four screws and lockwasher holding timer and plate to timer case, *Figure 7*.

**NOTE: When reinstalling timer plate, lockwasher must be between head of screw and plate, *Figure 7*.**

- Pull timer and plate out of timer case as far as wires will permit, *Figure 7*.
- Remove earth wire (ground) from earth terminal (ground) on timer, *Figure 4*.
- Disconnect wires from timer, *Figure 7*.

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

- Remove cap screw, lockwashers and nut holding timer case to control hood, *Figure 7*.
- While supporting the lower access panel, remove two screws from bottom edge of lower access panel, *Figure 10*.
- Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- Remove two screws holding bottom tabs on front panel to dryer cabinet. Swing front panel away from dryer to disengage hold-down clips and guide lugs from cabinet top, *Figure 11*.
- Disconnect wires from door switch, *Figure 12*.

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

- Remove two cabinet top hold-down screws, *Figure 13*.
- Lift cabinet top to a vertical position by hinging it on the rear hinges, *Figure 14*.

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

- Carefully withdraw wire harness through hole in cabinet top and lift the entire cabinet top assembly off the rear hinges, *Figure 14*.
- Lay the cabinet top assembly flat and remove two carriage bolts, washers, lockwashers and nuts holding front of timer case to cabinet top, *Figure 7*.
- Remove screw holding rear of case to cabinet top and remove case, *Figure 7*.



## **⚠ WARNING**

**To reduce the risk of electrical 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.**

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### **13. CABINET TOP (Nonmetered Models)**

- a. Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top, *Figure 5 or 6*.
- b. Disconnect all wires to temperature switch, PUSH-TO-START switch and INDICATOR LIGHT and remove earth clip (ground) and screw holding earth wire (ground) to cabinet top and control panel, *Figure 4*.

**NOTE:** Refer to appropriate wiring diagram when reconnecting wires.

- c. Remove four screws and lockwasher holding timer and plate to timer case, *Figure 7*.

**NOTE:** When reinstalling timer plate, lockwasher must be between head of screw and plate, *Figure 7*.

- d. Pull timer and plate out of timer case as far as wires will permit, *Figure 7*.
- e. Remove earth wire (ground) from earth terminal (ground) on timer, *Figure 4*.
- f. Disconnect wires from timer.

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

- g. Remove cap screw, lockwashers and nut holding timer case to control hood, *Figure 7*.
- h. Remove two screws holding control hood to cabinet top and lift hood tabs out of rear slots, *Figure 7*.
- i. While supporting the lower access panel, remove two screws from bottom edge of lower access panel, *Figure 10*.

- j. Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- k. Remove two screws holding bottom tabs on front panel to dryer cabinet. Swing bottom of front panel away from dryer to disengage hold-down clips and guide lugs from cabinet top, *Figure 11*.
- l. Disconnect wires from door switch, *Figure 12*.

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

- m. Remove two cabinet top hold-down screws, *Figure 13*.
- n. Lift cabinet top to a vertical position by hinging it on the rear hinges, *Figure 14*.

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

- o. Carefully withdraw wire harness through hole in cabinet top and lift the top off the rear hinges with timer case attached, *Figure 14*.
- p. Lay cabinet top flat and remove two cap screws, washers, lockwashers and nuts holding front of timer case to cabinet top, *Figure 7*.
- q. Remove screw holding rear of case to cabinet top and remove case, *Figure 7*.
- r. Remove brace from underside of cabinet top by swinging one end toward front or rear, *Figure 14*.

## **▲WARNING**

**To reduce the risk of electrical 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

### **14. CABINET TOP (Metered Models)**

- a. Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top, *Figure 5 or 6*.
- b. Disconnect all wires to TEMPERATURE SWITCH, PUSH-TO-START switch and INDICATOR LIGHT and remove earth clip (ground) and screw holding earth wire (ground) to cabinet top and control panel, *Figure 4*.

**NOTE: Refer to appropriate wiring diagram when reconnecting wires.**

- c. Insert key in service door lock on top of meter case and unlock door, *Figure 8*.
- d. Lift rear of service door approximately 45° off meter case to disengage notched tabs with internal rib at top of meter case, *Figure 8*.

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

- e. Disconnect accumulator wires at connectors, *Figure 8*.

**NOTE: Refer to appropriate wiring diagram when reconnecting wires.**

- f. Remove hex head earth screw (ground) holding green earth wire (ground) to accumulator mounting bracket, *Figure 8*.
- g. Remove two cap screws (inside meter case) holding meter case to cabinet top, *Figure 9*.
- h. Remove nut, lockwasher and screw holding meter case to right end of control hood, *Figure 9*.

- i. Remove two screws holding control hood to cabinet top and lift hood off rear tabs, *Figure 5 or 6*.
- j. While supporting the lower access panel, remove two screws from bottom edge of lower access panel, *Figure 10*.
- k. Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- l. Remove two screws holding bottom tabs on front panel to dryer cabinet. Swing bottom of front panel away from dryer to disengage hold-down clips and guide lugs from cabinet top, *Figure 11*.
- m. Disconnect wires from door switch, *Figure 12*.

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

- n. Remove two cabinet top hold-down screws, *Figure 13*.
- o. Lift cabinet top to a vertical position by hinging it on the rear hinges, *Figure 14*.

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

- p. Carefully withdraw the wire harness through hole in cabinet top and lift the top off the rear hinges with meter case attached, *Figure 14*.
- q. Lay cabinet top flat, remove carriage bolts, washers, bracket, gasket, and nuts holding meter case to cabinet top and remove the meter case, *Figure 9*.
- r. Remove brace from underside of cabinet top by swinging one end toward front or rear, *Figure 14*.

## **⚠ WARNING**

**To reduce the risk of electrical 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

### **15. LINT FILTER (Figure 15)**

- Open loading door and remove screw on each end of lint filter.
- Lift filter out of front bulkhead.

**IMPORTANT:** When reinstalling lint filter, be sure to install the filter with the wording on the filter facing the front of the dryer.

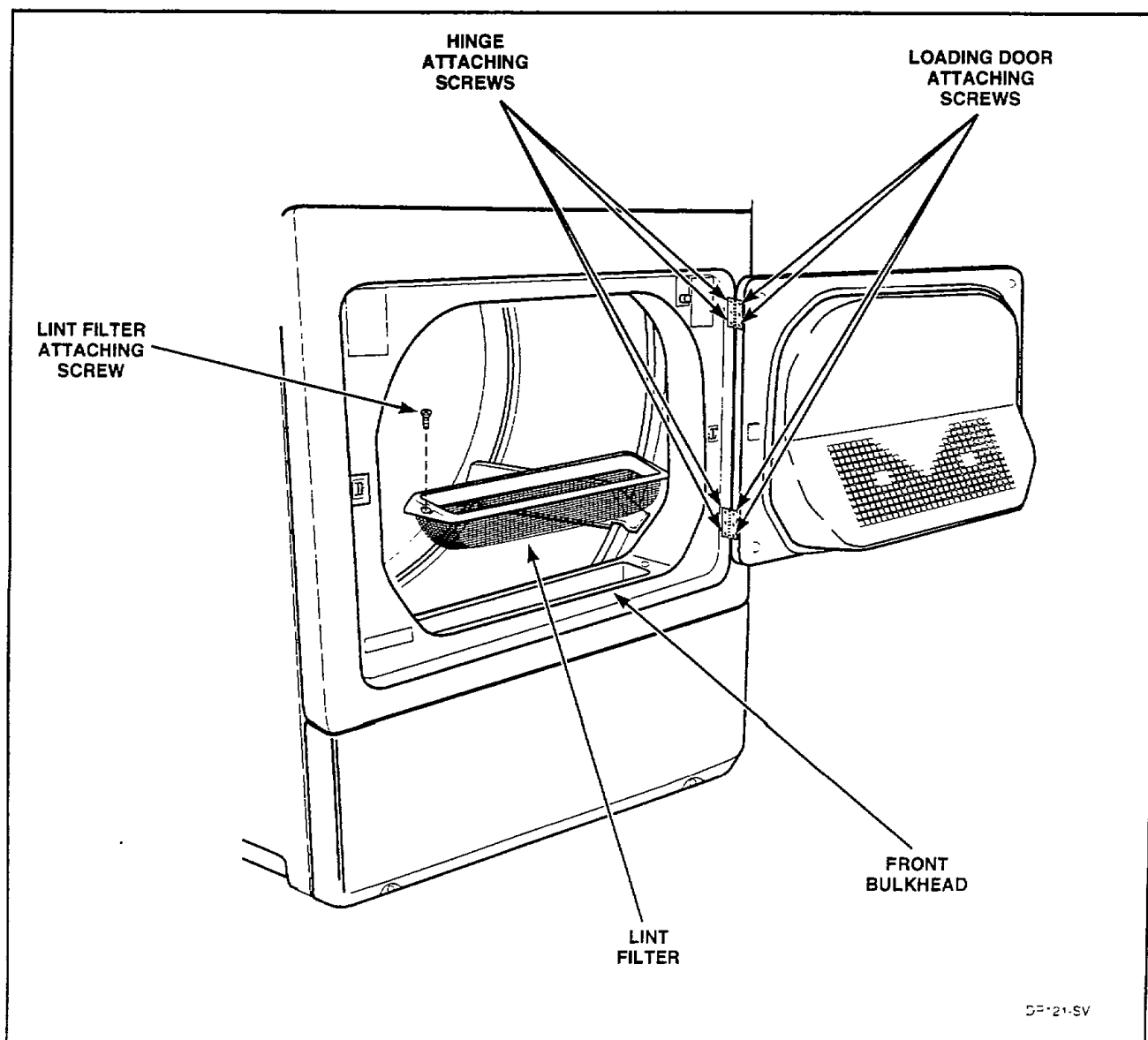


Figure 15

## ⚠ WARNING

To reduce the risk of electrical 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

## 16. LOADING DOOR

- Open loading door.
- Remove screws holding loading door and hinges to front panel, *Figure 15*.

### Reversing Door Procedure (Optional)

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

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

- Support door and remove four screws holding hinges to front panel, *Figure 16*. Remove complete door assembly.

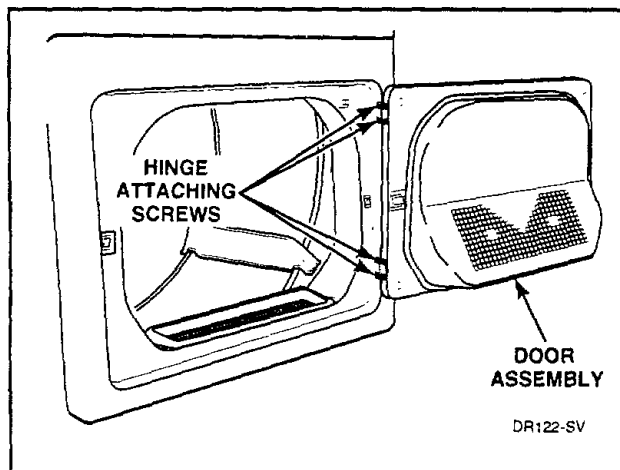


Figure 16

- Remove screw from door pull and the remaining 11 screws around the door perimeter, *Figure 17*. Set hinges aside at this time.

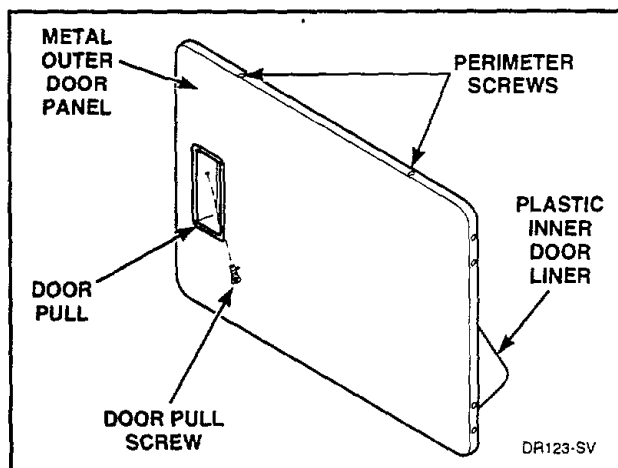


Figure 17

- Remove plastic inner door liner (with the door strike attached) from the metal door panel, *Figure 17*.
- Rotate the metal outer door panel 180 degrees.
- Remove door strike from door liner and reinstall strike on opposite side, *Figure 18*.

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

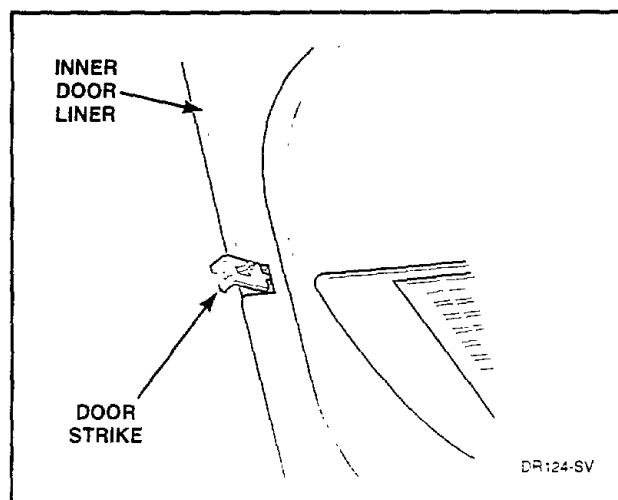


Figure 18

## WARNING

To reduce the risk of electrical 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

- f. Reinstall the two hinges on the side of door opposite of door pull and door strike, *Figure 19*.

**NOTE:** Screw the hinges onto door with the hinge pin facing the front of the door, *Figure 19*.

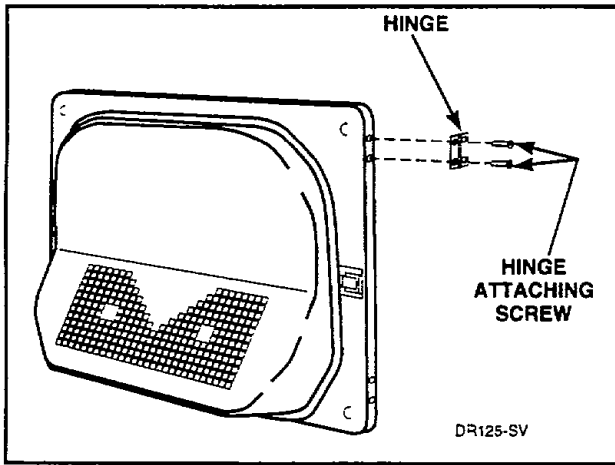


Figure 19

- g. Reinstall door pull screw and the remaining seven screws around the door perimeter.
- h. Remove plastic plugs (or screws) from left side of the door opening of the dryer front panel and place them into holes on right side, *Figure 20*.

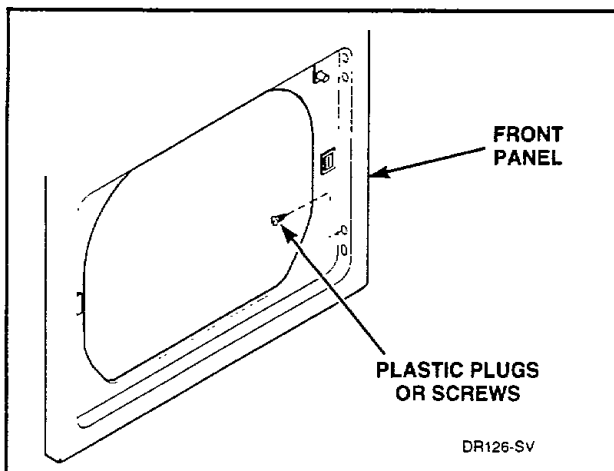


Figure 20

- i. While supporting door assembly, secure hinges to front panel using the four remaining screws, *Figure 21*. Tighten all screws firmly.

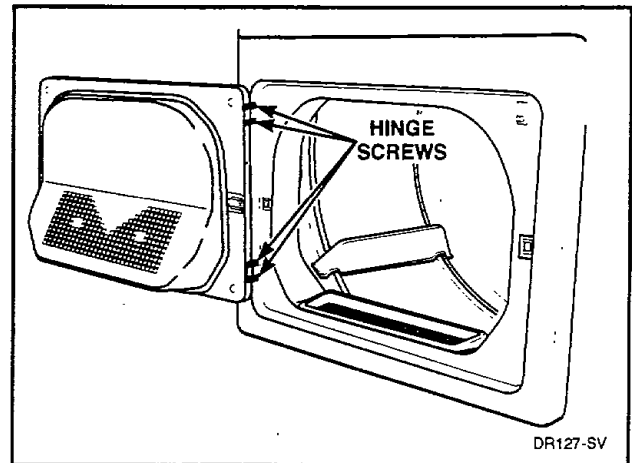


Figure 21

## WARNING

To reduce the risk of electrical 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

### 17. INNER AND OUTER DOOR PANELS AND DOOR PULL

- Remove four screws holding door assembly to hinges, *Figure 15*.
- Remove screw from door pull and the remaining seven screws around the door perimeter and separate panels, *Figure 22*.

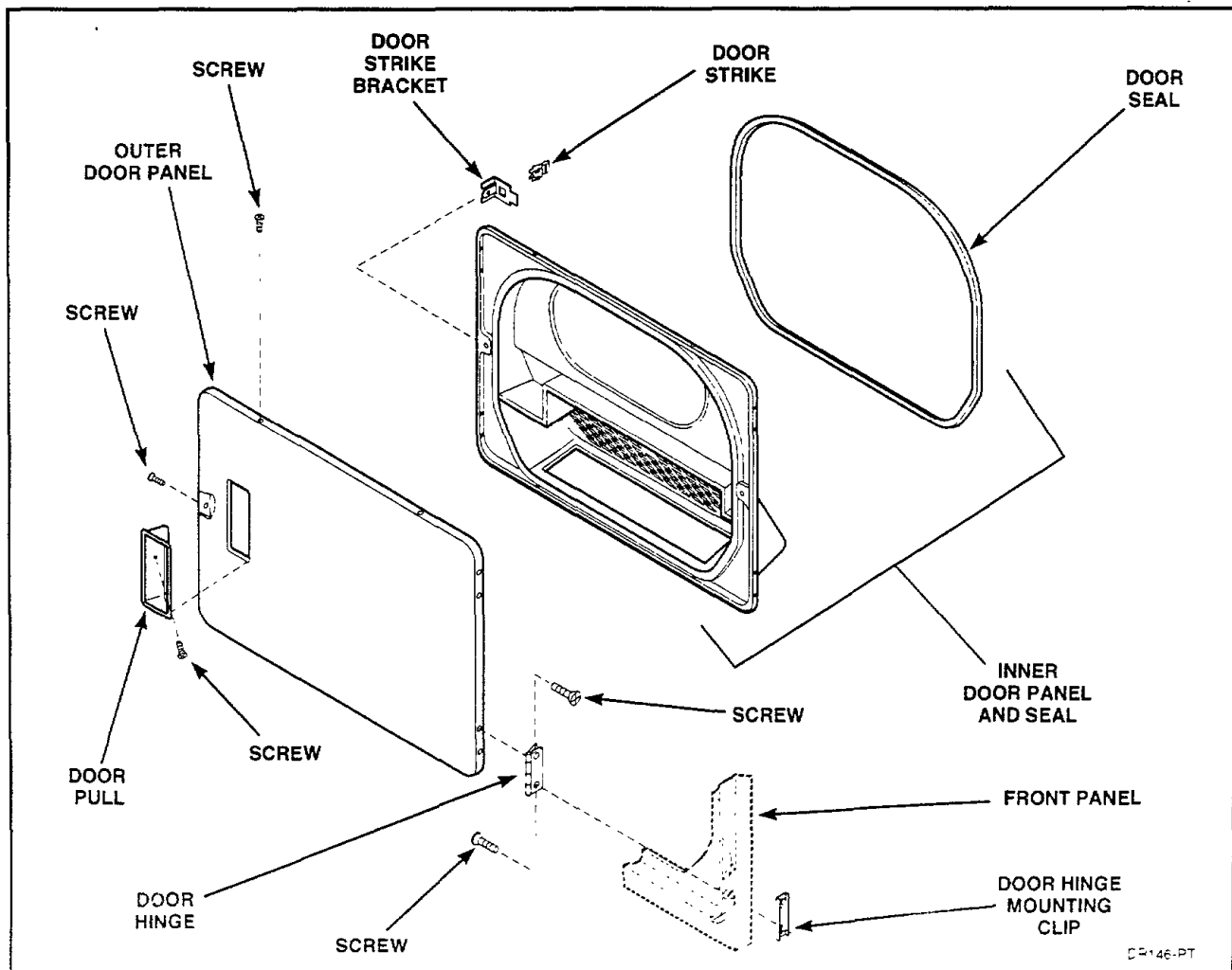
**NOTE:** All screws are interchangeable except for the screw in the recessed door pull.

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

### 18. DOOR STRIKE

- Open loading door.
- Remove screw holding door strike and bracket to loading door, *Figure 22*, 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.



CR146-PT

Figure 22

## **⚠WARNING**

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

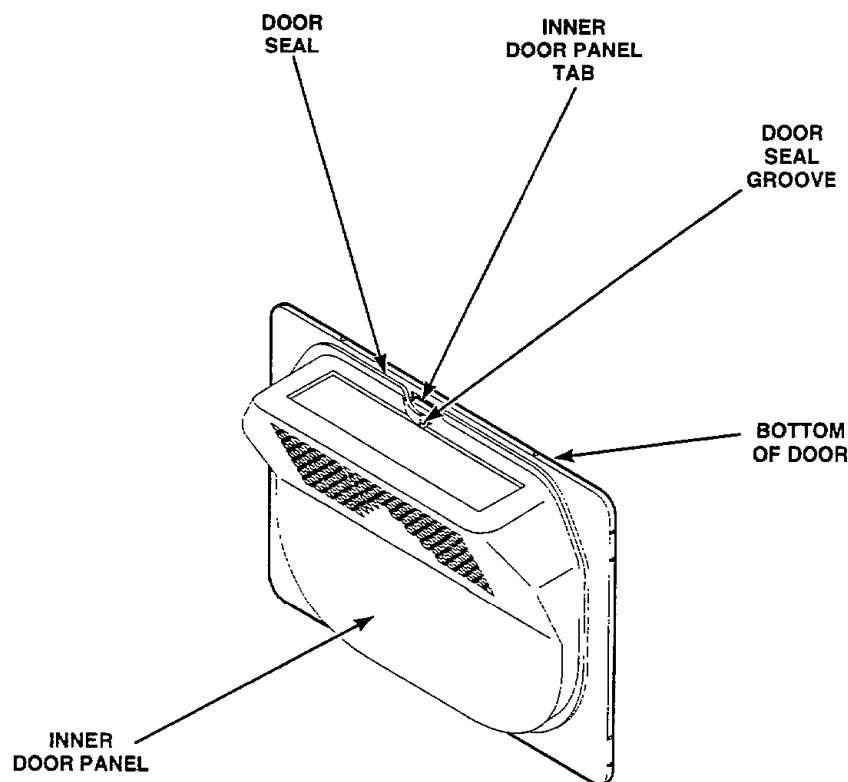
- **Disconnect electric power to the dryer before servicing.**
- **Close gas shut-off valve to gas dryer before servicing.**
- **Never start the dryer with any guards/panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer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

W001

## **19. DOOR SEAL**

- a. Open loading door.
- b. Grasp either end of door seal at bottom of door and remove seal from tabs on inner door panel, *Figure 23*.

**NOTE:** When replacing seal, be sure seal is not stretched or distorted and the groove in the seal is installed on each tab on inner door panel, *Figure 23*, and the split in the seal is at the bottom of the door.



DR125-Sv

Figure 23

## **⚠ WARNING**

**To reduce the risk of electrical 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

### **20. FRONT PANEL AND PANEL SEAL**

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

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

- e. Remove front panel seal from flange around inside of door opening, *Figure 24*.

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

### **21. DOOR SWITCH**

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

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

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

### **22. DOOR CATCH**

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

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

- e. Depress tabs on top and bottom of door catch and push catch out of front panel, *Figure 24*.



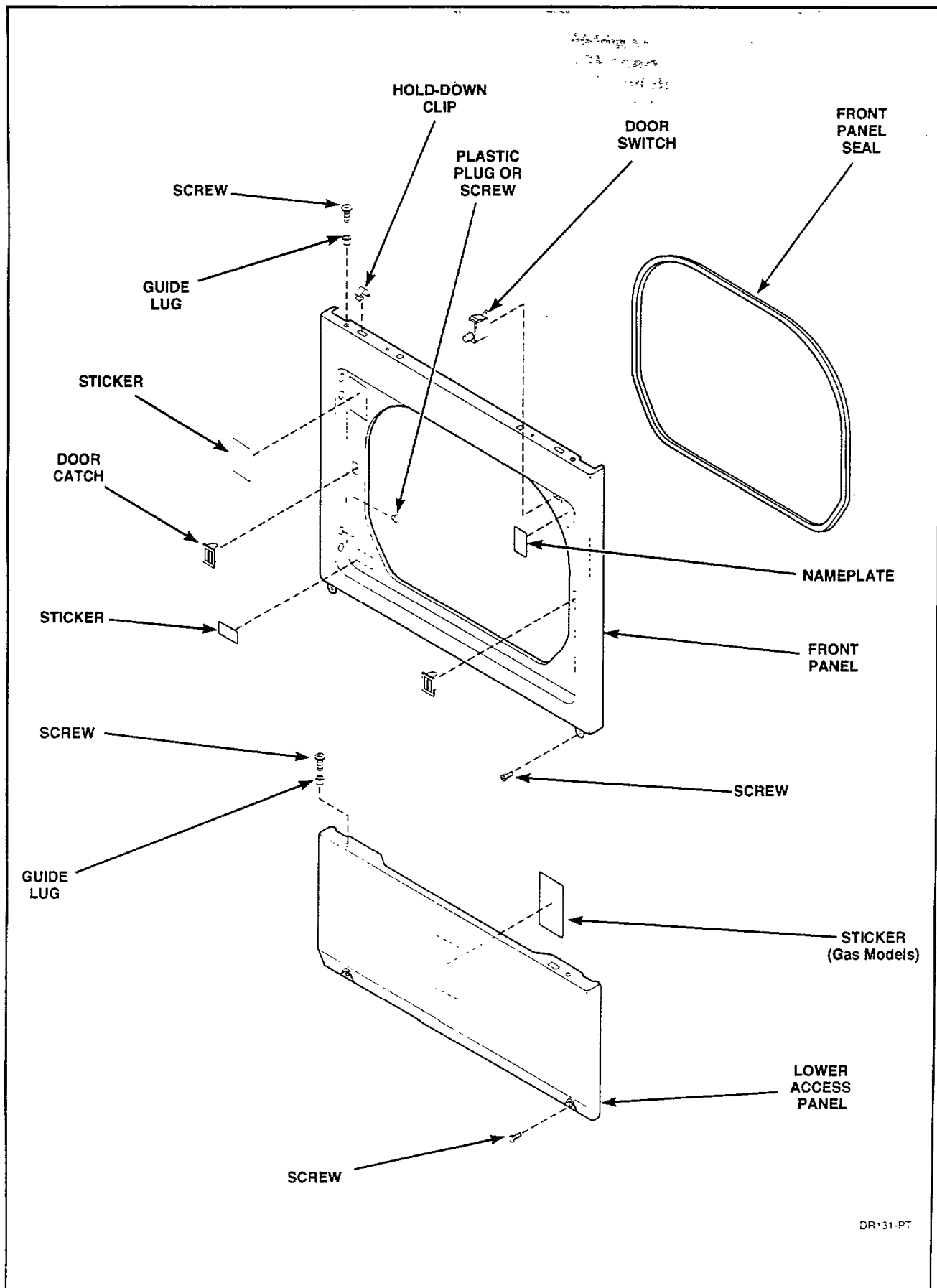


Figure 24

## **⚠ WARNING**

**To reduce the risk of electrical 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

### **23. DOOR HINGE**

- a. Open loading door. While supporting door, remove four screws holding door assembly and hinges to front panel, *Figure 25*.
- b. Remove four screws holding hinges to loading door, *Figure 25*.

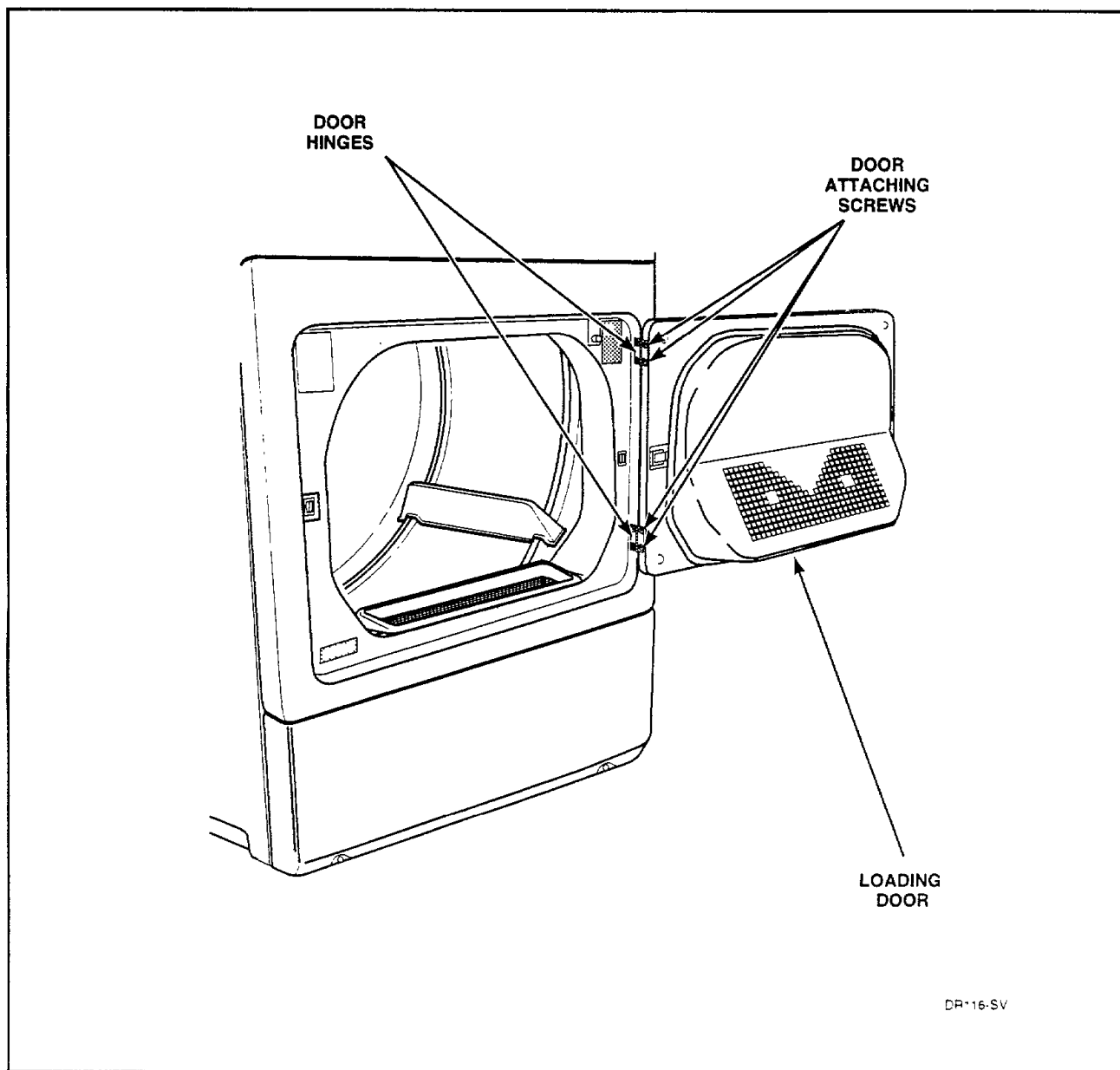


Figure 25

## **▲WARNING**

**To reduce the risk of electrical 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

### **24. HOLD-DOWN CLIPS AND GUIDE LUGS (FRONT PANEL)**

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

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

- e. Compress hold-down clips and remove from slot in top flange of front panel.
- f. Remove screws holding guide lugs to access panel or front panel, *Figure 24*.

## ▲WARNING

To reduce the risk of electrical 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

## 25. BURNER SYSTEM COMPONENTS (Gas Models)

### a. Complete Gas Valve Assembly.

- (1) While supporting the lower access panel, remove two screws from bottom edge of lower front access panel, *Figure 10*.
- (2) Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- (3) Close gas shut-off valve, disconnect igniter wires at disconnect blocks, sensor wires from flame sensor terminals, and wires from gas valve coils at the quick disconnect blocks, *Figure 28*.
- (4) Disconnect gas shut-off valve from gas valve at the union nut, *Figure 26*.

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

- (6) Slide assembly forward, then lift gas valve and mounting bracket from base, *Figure 26*.

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

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

### b. Burner Tube, Igniter and Bracket.

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

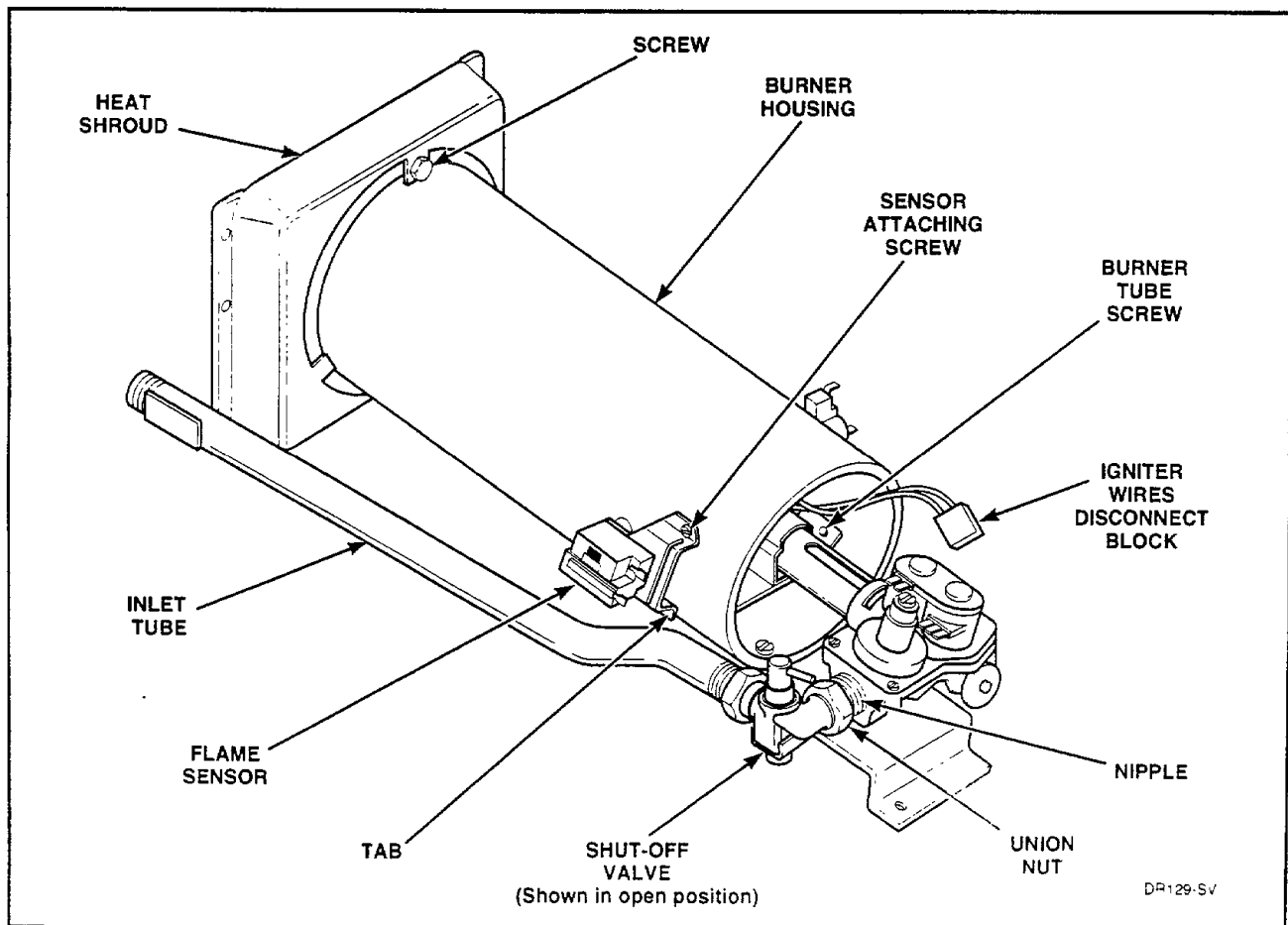


Figure 26

## ⚠ WARNING

To reduce the risk of electrical 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

- (1) Remove one screw from right side of burner housing holding burner tube in place, *Figure 26*.
- (2) Gently move burner tube toward rear of dryer to disengage tab from slot on left side of burner housing, *Figure 26*.
- (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, *Figure 27*.

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

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

### c. Flame Sensor.

- 1) While supporting the lower access panel, remove two screws from bottom edge of lower front access panel, *Figure 10*.
- (2) Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- (3) Remove wires from sensor terminals, *Figure 26*.
- (4) Remove screw holding sensor to burner housing, *Figure 26*.

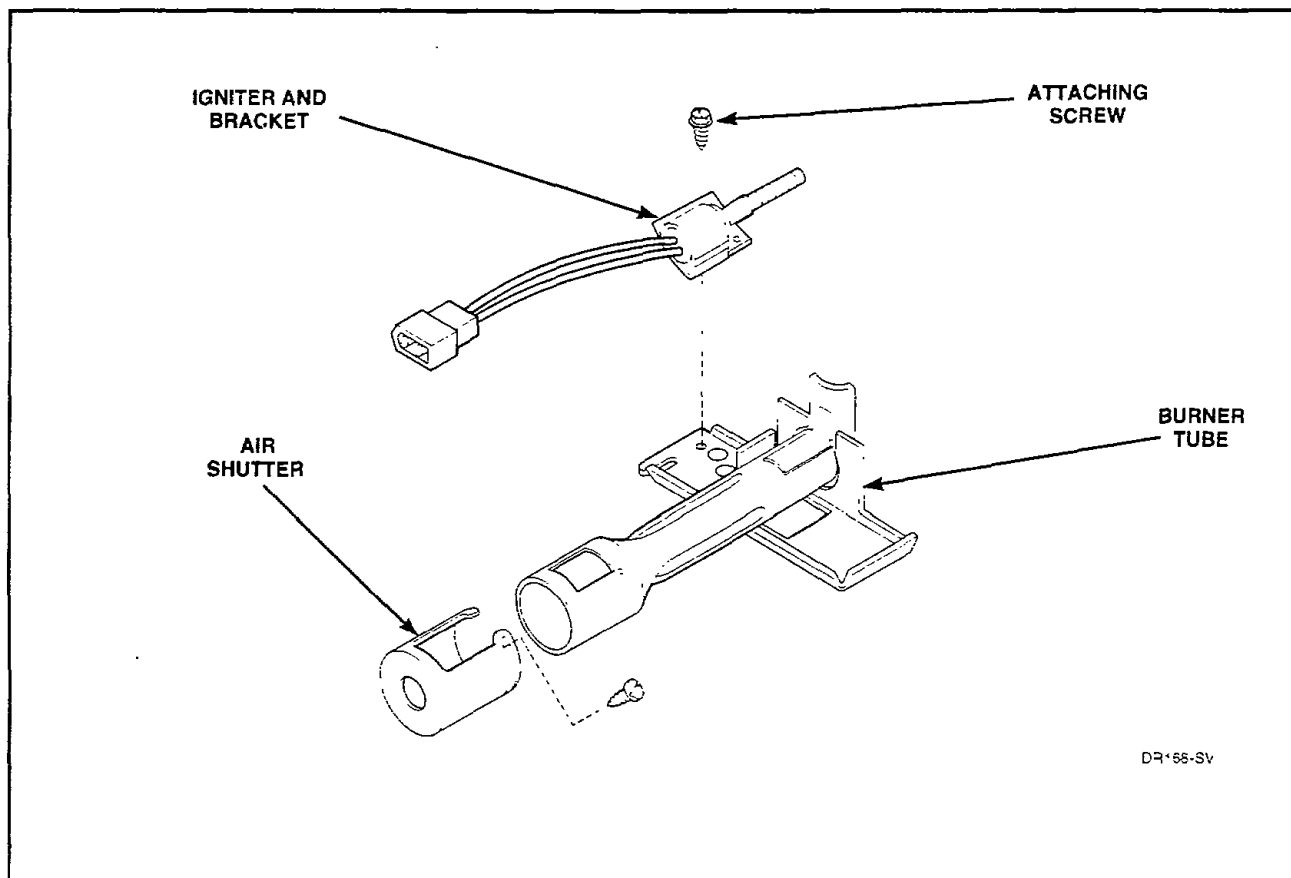


Figure 27

## WARNING

To reduce the risk of electrical 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

### 26. BURNER HOUSING AND HEAT SHROUD (Gas Models)

- While supporting the lower access panel, remove two screws from bottom edge of lower front access panel, *Figure 10*.
- Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- Disconnect igniter wires at disconnect blocks, sensor wires from flame sensor terminals, and wires from gas valve coils at quick disconnect blocks, *Figure 28*.
- Remove screw from right side of burner housing holding burner tube in place, *Figure 28*.
- Gently move burner tube toward rear of dryer to disengage tab, *Figure 26*, from slot on left side of burner housing.
- Carefully rotate burner tube and igniter counterclockwise so tab is at 8 o'clock position.
- 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.

- Remove screw holding burner housing to heat shroud, *Figure 26*.
- Remove screw holding front of burner housing to dryer base and remove housing out through front of dryer, *Figure 28*.
- Remove two screws holding shroud to heater box and take shroud out through front of dryer.

### 27. LIMIT THERMOSTAT

- While supporting the lower access panel, remove two screws from bottom edge of lower front access panel, *Figure 10*.
- Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- Disconnect wires and remove screws holding limit thermostat to burner housing or element plate, *Figure 28*.

### 28. HEATING ELEMENT (Electric Models)

- While supporting the lower access panel, remove two screws from bottom edge of lower front access panel, *Figure 10*.
- Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- Remove two screws holding element and plate to heater box and pull element down and away from heater box, *Figure 28*.
- Disconnect wires from element and plate, *Figure 28*.
- Remove screws holding thermostat and thermal fuse to element plate, *Figure 28*.

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

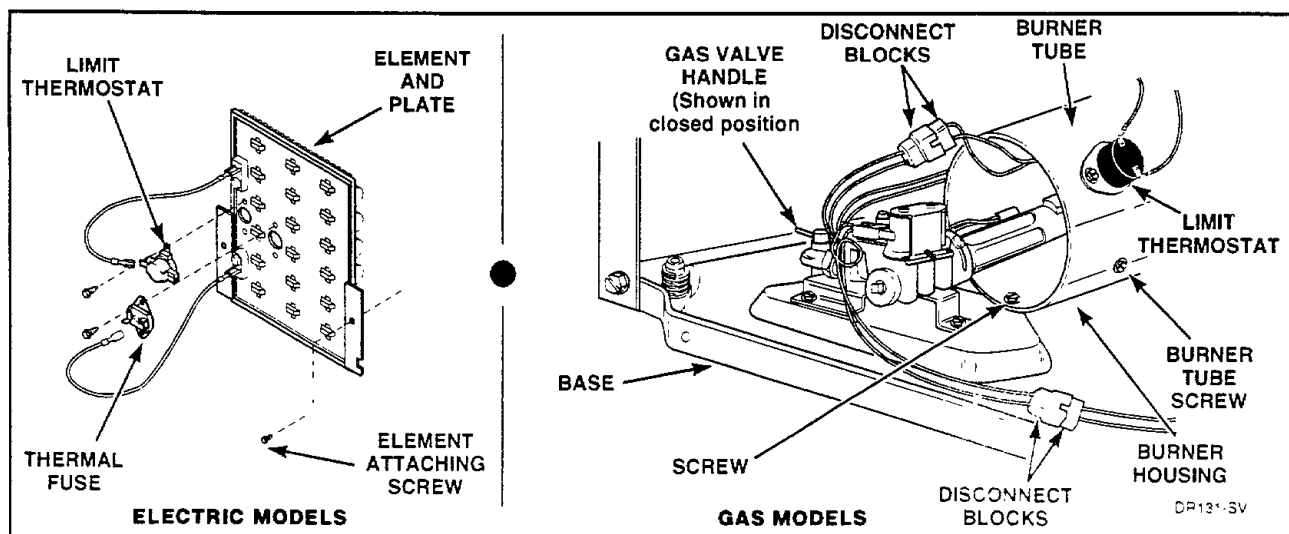


Figure 28

## WARNING

To reduce the risk of electrical 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

## 29. THERMOSTAT AND HEATER

- While supporting the lower access panel, remove two screws from bottom edge of lower front access panel, *Figure 10*.
- Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- Disconnect wires and remove thermostat attaching screws, *Figure 29*, and remove thermostat and heater.

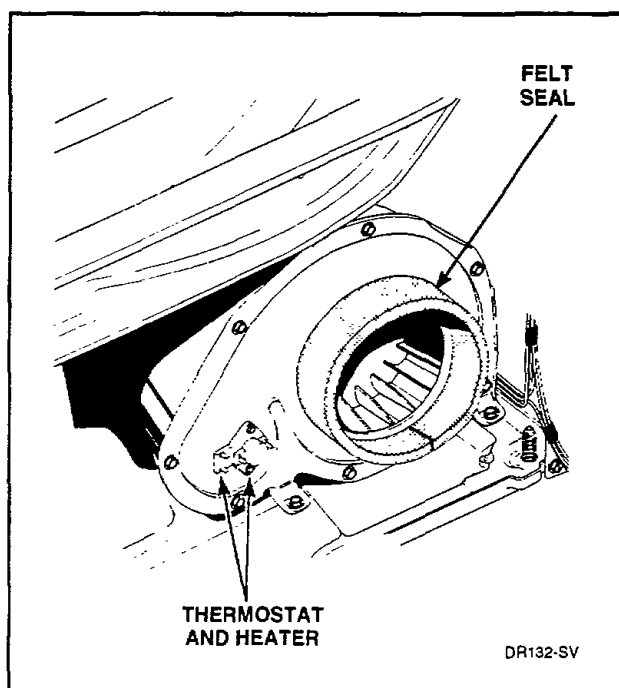


Figure 29

## 30. FRONT AIR DUCT

- While supporting the lower access panel, remove two screws from bottom edge of lower front access panel, *Figure 10*.
- Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- Open loading door and remove two screws from lint filter and lift filter out of bulkhead, *Figure 15*.

**IMPORTANT:** When reinstalling lint filter, be sure to install the filter with the wording on the filter facing the front of the dryer.

- Remove two screws holding air duct to front bulkhead and remove air duct, *Figure 30*.

## 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, make sure felt seal on exhaust fan cover, *Figure 29*, makes air tight seal on flange of duct, *Figure 30*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can cause fire and dryer malfunction.

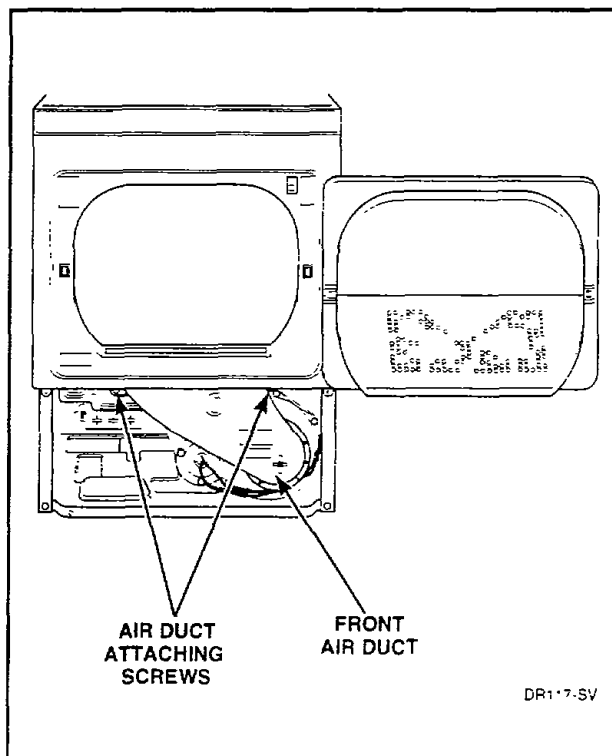


Figure 30

## ⚠WARNING

To reduce the risk of electrical 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

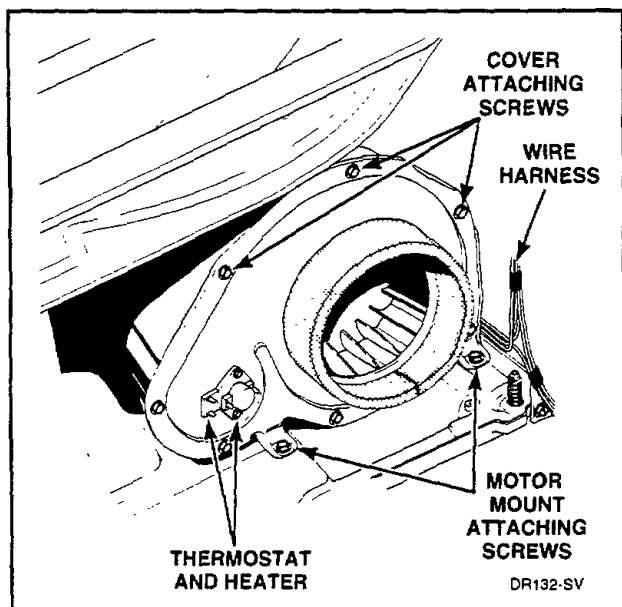


Figure 31

## 31. MOTOR AND EXHAUST ASSEMBLY

- While supporting the lower access panel, remove two screws from bottom edge of lower access panel, *Figure 10*.
- Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- Open loading door and lift filter out of bulkhead, *Figure 15*.

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

- Remove screws holding air duct to front bulkhead and remove air duct, *Figure 30*.

## ⚠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

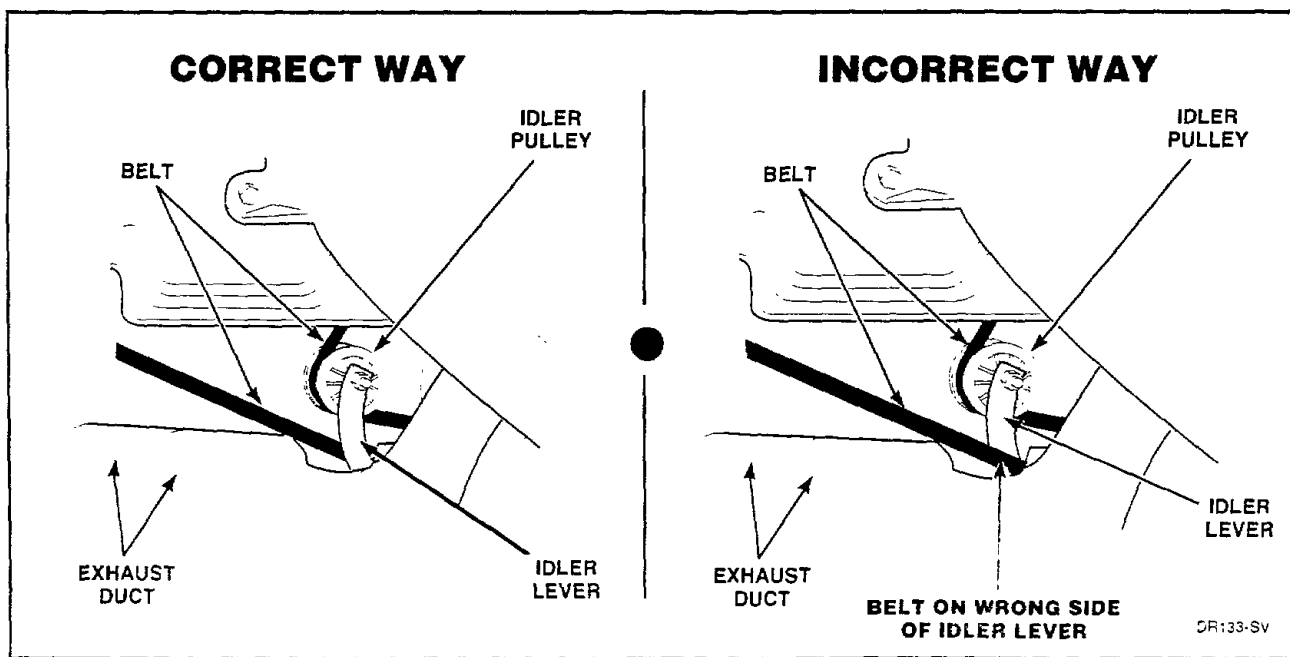


Figure 32

(continued)



## ▲WARNING

To reduce the risk of electrical 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

**IMPORTANT:** When reassembling, make sure felt seal on exhaust fan cover, *Figure 29*, makes airtight seal on flange of duct, *Figure 30*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can cause fire and dryer malfunction.

- e. Disconnect wires from thermostat and heater, *Figure 31*.

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

- f. Remove cylinder belt from idler and motor pulleys, *Figure 32*.

**NOTE:** When installing belt, make sure belt is properly installed on motor and idler pulleys, and is on the correct side of the idler lever, *Figure 32*. Belt must be positioned around cylinder approximately three inches ahead of the rear rib on cylinder, *Figure 39*, with the ribbed surface of the belt against the cylinder. After installing belt, manually rotate cylinder **counterclockwise** to check that belt is properly aligned.

- g. Disengage motor wire harness connection block from motor switch by pressing in on the movable locking tabs (located on each end of the connection block) and pulling away from motor, *Figure 35*.
- h. Remove two screws holding motor mounting bracket to dryer base, *Figure 31*.

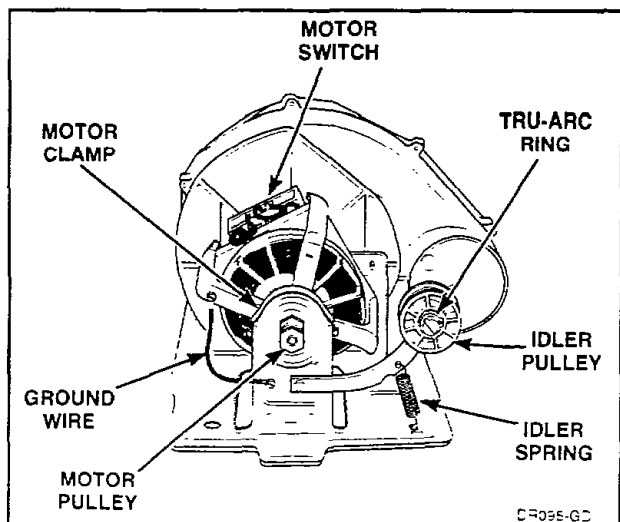


Figure 33

## ▲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, make sure felt seal on exhaust fan cover, *Figure 29*, makes airtight seal on flange of duct, *Figure 30*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can cause fire and dryer malfunction.

**IMPORTANT:** When reinstalling motor and exhaust assembly, make sure wire harness on right side is clipped to motor mounting bracket and is routed along dryer base (between motor mounting bracket and right side of cabinet), *Figure 31*. Tab on rear of motor mounting bracket must be slid into slot in dryer base. Make sure the belt has been installed on the correct side of the idler lever, *Figure 32*.

- i. Pull assembly forward and disengage the middle exhaust duct.
- j. Rotate the assembly 90° **counterclockwise** and slide out of dryer.

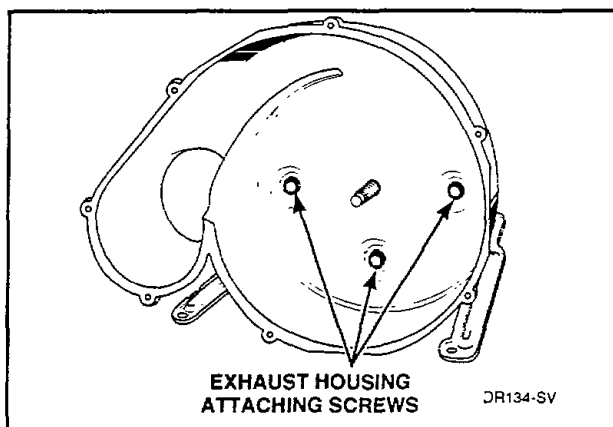


Figure 34

- k. Motor pulley and idler pulley assemblies.

Refer to *Figure 33* for motor and idler pulley removal.

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

## AWARNING

To reduce the risk of electrical 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

### l. Impeller and housing.

- (1) Remove screws holding cover to housing, *Figure 31*.
- (2) Hold motor pulley securely and unthread impeller from motor shaft (right hand thread). Use a 7/8 inch, six point socket to aid in the removal of the impeller.
- (3) Remove three screws holding the exhaust housing to the motor mounting bracket, *Figure 34*.

### m. Motor

- (1) Disengage motor wire harness connection block from the motor by pressing in on the movable locking tabs (located on each side of the connection block) and pulling away from motor, *Figure 35*.

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

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

- (2) Disconnect earth wire (ground) from motor, *Figure 33*.
- (3) Use a screwdriver and pry two motor clamps off motor mounting bracket, *Figure 33*. Then lift motor out of mounting bracket.

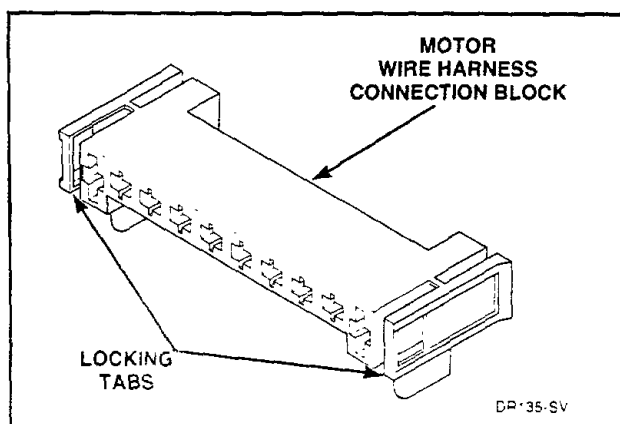


Figure 35

**NOTE:** When replacing motor, motor switch location should be at 10 o'clock position (viewed from pulley end, *Figure 33*) with the anti-rotating notch (located on the front and rear cradles) in the motor mounting bracket.

### 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, *Figure 36*.
- (2) Apply tool pressure to compress the terminal locking tab on terminal and force the terminal and wire out back side of connection block, *Figure 36*.

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

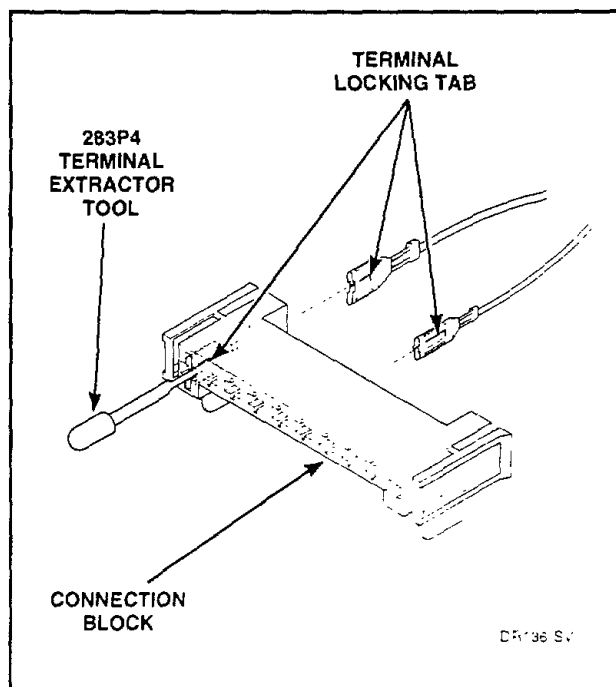


Figure 36

## ⚠ WARNING

**To reduce the risk of electrical 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

## 32. FRONT BULKHEAD ASSEMBLY

- While supporting the lower access panel, remove two screws from bottom edge of lower front access panel, *Figure 10*.
- Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- Remove two screws holding bottom tabs on front panel to dryer cabinet, *Figure 11*. Swing bottom of front panel away from dryer to disengage hold-down clips and guide lugs from cabinet top.
- Disconnect wires from door switch, *Figure 12*.

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

- Disengage belt from motor and idler pulleys, *Figure 32*.

**NOTE:** When installing belt, make sure belt is properly installed on motor and idler pulleys, and is on the correct side of the idler lever, *Figure 32*. Belt must be positioned around cylinder approximately three inches ahead of the rear rib on cylinder with the ribbed surface of the belt against the cylinder. After installing belt, manually rotate cylinder **counterclockwise** to check that belt is properly aligned.

- Remove four screws holding bulkhead to front flange of cabinet, *Figure 37*. Lift complete bulkhead assembly out of slots in cabinet.

**NOTE:** When reassembling the front bulkhead to the cabinet, hold glides in position with finger tips on the edges of glides. Once bulkhead is in place, inspect the glide position with a mirror to insure the glides are aligned with the cylinder, making sure the tabs are visible, *Figure 38*.

## ⚠ 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, make sure felt seal on exhaust fan cover, *Figure 29*, makes airtight seal on flange of duct, *Figure 30*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can cause fire and dryer malfunction.

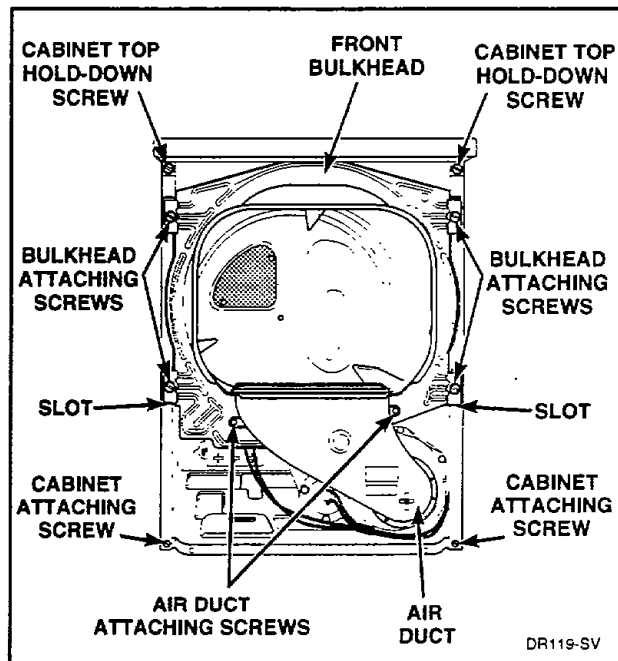


Figure 37

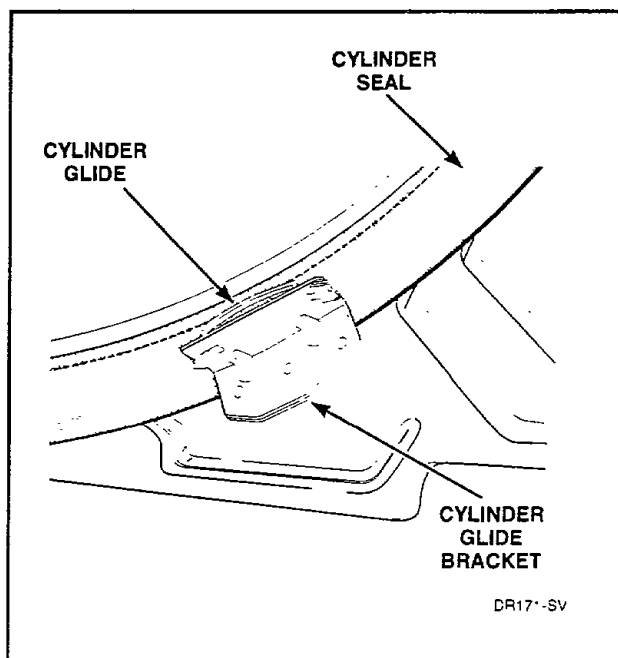


Figure 38

(continued)

## **⚠ WARNING**

**To reduce the risk of electrical 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

g. **Cylinder glides and pads** (*Figure 38*)

(1) Unsnap glides from each glide bracket and remove glides and pads.

h. **Front cylinder seal** (*Figure 38*)

Cylinder seal is cemented to the bulkhead.

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

**NOTE:** When reassembling the front bulkhead to the cabinet, hold glides in position with finger tips on the edges of glides. Once bulkhead is in place, inspect the glide position with a mirror to ensure the glides are aligned with the cylinder, making sure the tabs are visible, *Figure 38*.

## **⚠ 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

### **33. CYLINDER BELT**

- While supporting the lower access panel, remove two screws from bottom edge of lower front access panel, *Figure 10*.
- Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- Remove two screws holding bottom tabs on front panel to dryer cabinet, *Figure 11*. Swing bottom of front panel away from dryer to disengage hold-down clips and guide lugs from cabinet top.
- Disconnect wires from door switch, *Figure 12*.

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

- Disengage belt from motor and idler pulleys, *Figure 32*.
- Remove four screws holding bulkhead to front flange of cabinet and lift complete bulkhead assembly out of slots in cabinet, *Figure 37*.

**IMPORTANT:** During reinstallation of front bulkhead, make sure that air duct is properly positioned with the flange inside of the felt seal on the exhaust fan cover, *Figure 29*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can cause fire and dryer malfunction.

- While supporting cylinder, carefully remove belt off cylinder.

**NOTE:** When installing belt, make sure belt is properly installed on motor and idler pulleys, and is on the correct side of the idler lever, *Figure 32*. Belt must be positioned around cylinder approximately three inches ahead of the rear rib on cylinder, *Figure 39*, with the ribbed surface of the belt against cylinder. After installing belt, manually rotate cylinder **counterclockwise** to check that belt is properly aligned.

## ▲WARNING

**To reduce the risk of electrical 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

## 34. CYLINDER ASSEMBLY

- While supporting the lower access panel, remove two screws from bottom edge of lower front access panel, *Figure 10*.
- Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- Remove two screws holding bottom tabs on front panel to dryer cabinet, *Figure 11*. Swing bottom of front panel away from dryer to disengage hold-down clips and guide lugs from cabinet top.
- Disconnect wires from door switch, *Figure 12*.

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

- Disengage belt from motor and idler pulleys, *Figure 32*.

**NOTE:** When installing belt, make sure belt is properly installed on motor and idler pulleys, and is on the correct side of the idler lever, *Figure 32*. Belt must be positioned around cylinder approximately three inches ahead of the rear rib on cylinder, *Figure 39*, with the ribbed surface of the belt against cylinder. After installing belt, manually rotate cylinder **counterclockwise** to check that belt is properly aligned.

- Remove four screws holding bulkhead to front flange of cabinet and lift complete bulkhead assembly out of slots in cabinet, *Figure 37*.

**NOTE:** When reassembling the front bulkhead to the cabinet, hold glides in position with finger tips on the edges of glides. Once bulkhead is in place, inspect the glide position with a mirror to ensure the glides are aligned with the cylinder, making sure the tabs are visible, *Figure 38*.

## ▲WARNING

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

W005

**IMPORTANT:** During reinstallation of front bulkhead, make sure that air duct is properly positioned with the flange inside of the felt seal on the exhaust fan cover, *Figure 29*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can cause fire and dryer malfunction.

- Loosen two cabinet top hold-down screw, *Figure 37*.
- Manually rotate cylinder until one of the baffles is at the 6 o'clock position and carefully remove cylinder out through front of dryer.
- Baffles**  
Remove screws holding baffles to cylinder, *Figure 39*.

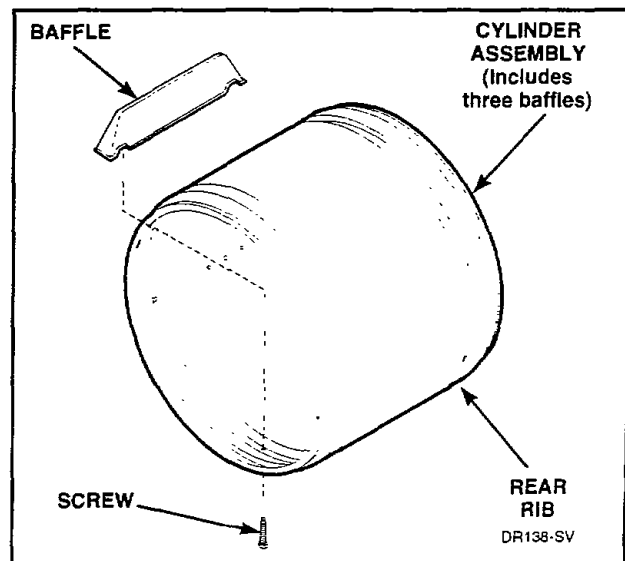


Figure 39

## **⚠ WARNING**

**To reduce the risk of electrical 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

### **35. REAR SEAL**

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

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

- e. Remove two cabinet top hold-down screws, *Figure 37*.
- f. Insert key in service door lock on top of meter case and unlock door, *Figure 8*.
- g. Lift rear of service door approximately 45° off meter case to disengage notched tabs with internal rib at top of meter case.
- h. Remove two hex head cap screws (inside meter case) holding meter case to cabinet top, *Figure 9*.
- i. Raise front of cabinet top hinging it on the rear hinges, *Figure 14*.

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

- j. Disengage belt from motor and idler pulleys, *Figure 32*.

**NOTE:** When installing belt, make sure belt is properly installed on motor and idler pulleys, and is on the correct side of the idler lever, *Figure 32*. Belt must be positioned around cylinder approximately three inches ahead of the rear rib on cylinder, *Figure 39*, with the ribbed surface of the belt against cylinder. After installing belt, manually rotate cylinder **counterclockwise** to check that belt is properly aligned.

- k. Remove four screws holding bulkhead to front flange of cabinet and lift complete bulkhead assembly out of slots in cabinet, *Figure 37*.

**NOTE:** When reassembling the front bulkhead to the cabinet, hold glides in position with finger tips on the edges of glides. Once bulkhead is in place, inspect the glide position with a mirror to ensure the glides are aligned with the cylinder, making sure the tabs are visible, *Figure 38*.

## **⚠ WARNING**

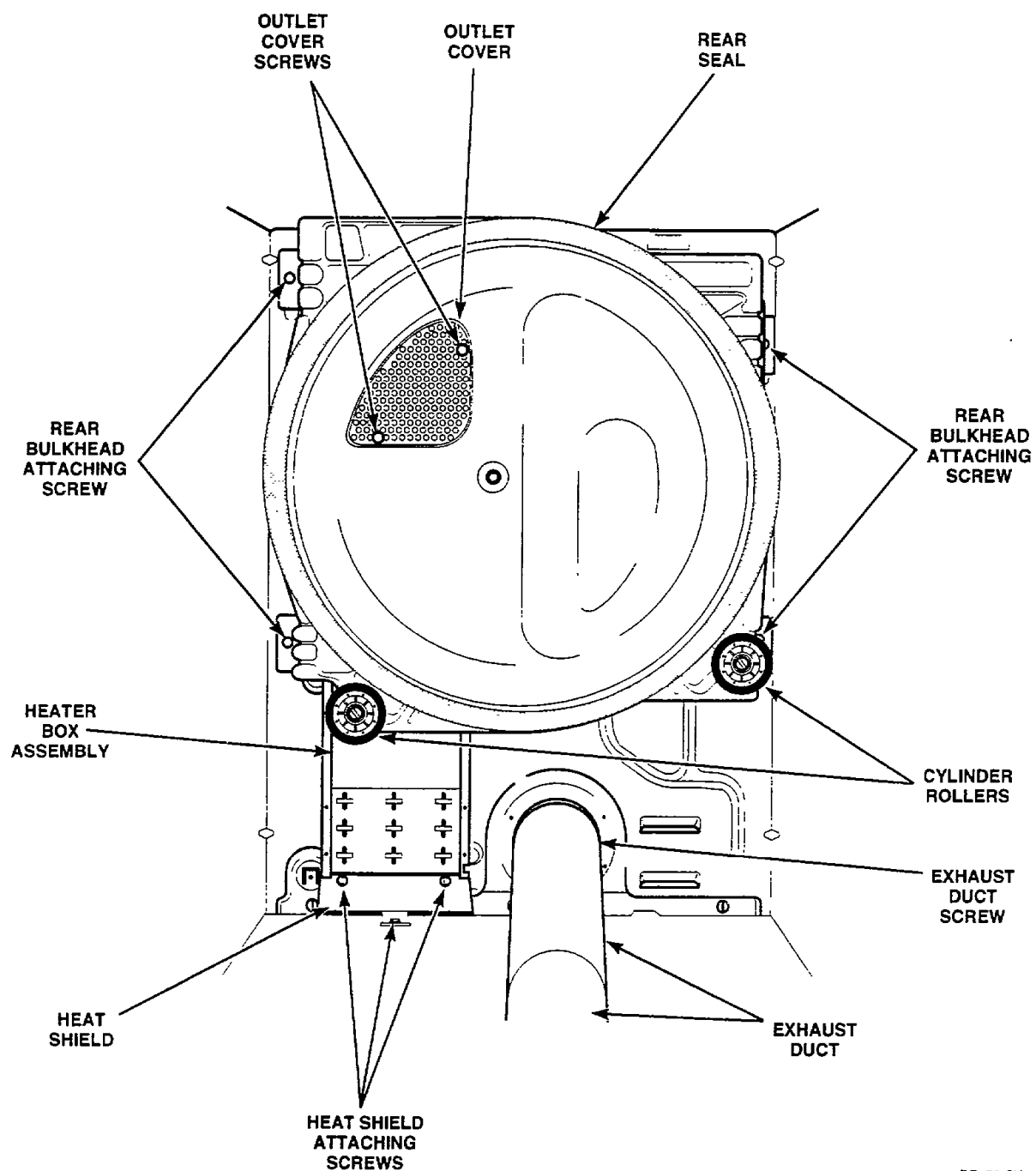
**To reduce the risk of serious injury or death by carbon monoxide and other gases in gas dryers, carefully read and follow all instructions given in this section.**

W005

**IMPORTANT:** During reinstallation of front bulkhead, make sure that air duct is properly positioned with the flange inside of the felt seal on the exhaust fan cover, *Figure 29*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can cause fire and dryer malfunction.

- l. Manually rotate cylinder until one of the baffles is at the 6 o'clock position and carefully remove cylinder out through front of dryer.
- m. Pull rear cylinder seal from flanged edge of bulkhead, *Figure 40*.

**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.



DR172-SV

Figure 40

## **▲WARNING**

**To reduce the risk of electrical 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

### **36. CYLINDER ROLLERS**

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

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

- e. Disengage belt from motor and idler pulleys, *Figure 32*.

**NOTE:** When installing belt, make sure belt is properly installed on motor and idler pulleys, and is on the correct side of the idler lever, *Figure 32*. Belt must be positioned around cylinder approximately three inches ahead of rear rib on cylinder, *Figure 39*, with the ribbed surface of the belt against cylinder. After installing belt, manually rotate cylinder **counterclockwise** to check that belt is properly aligned.

- f. Remove four screws holding bulkhead to front flange of cabinet and lift complete bulkhead assembly out of slots in cabinet, *Figure 37*.

**NOTE:** When reassembling the front bulkhead to the cabinet, hold glides in position with finger tips on the edges of glides. Once bulkhead is in place, inspect the glide position with a mirror to ensure the glides are aligned with the cylinder, making sure the tabs are visible, *Figure 38*.

## **▲WARNING**

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

W005

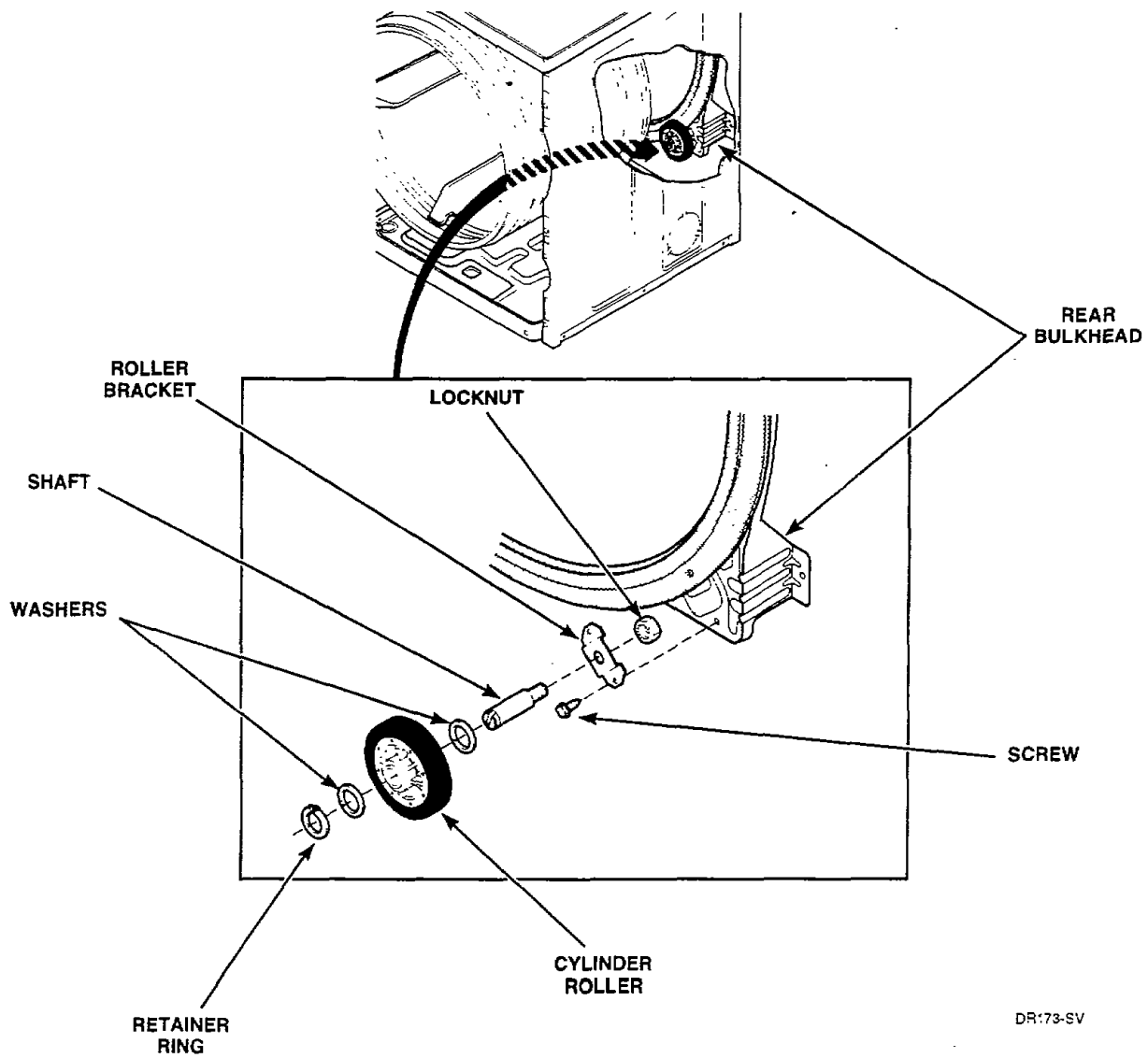
**IMPORTANT:** During reinstallation of front bulkhead, make sure that air duct is properly positioned with the flange inside of the felt seal on the exhaust fan cover, *Figure 29*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can cause fire and dryer malfunction.

- g. Pull cylinder forward allowing rear of cylinder to drop down exposing rollers, *Figure 41*.
- h. Refer to *Figure 41* for removal of roller from bulkhead.

### **37. OUTLET COVER**

Open door and remove two screws holding outlet cover to rear bulkhead, *Figure 40*.





DR173-SV

Figure 41

## **⚠ WARNING**

**To reduce the risk of electrical 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

### **38. REAR BULKHEAD AND HEATER BOX ASSEMBLIES**

- While supporting the lower access panel, remove two screws from bottom edge of lower front access panel, *Figure 10*.
- Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- Remove two screws holding bottom tabs on front panel to dryer cabinet, *Figure 11*. Swing bottom of front panel away from dryer to disengage hold-down clips and guide lugs from cabinet top.
- Disconnect wires from door switch, *Figure 12*.

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

- Disengage belt from motor and idler pulleys, *Figure 32*.

**NOTE:** When installing belt, make sure belt is properly installed on motor and idler pulleys, and is on the correct side of the idler lever, *Figure 32*. Belt must be positioned around cylinder approximately three inches ahead of rear rib on cylinder, *Figure 39*, with the ribbed surface of the belt against cylinder. After installing belt, manually rotate cylinder **counterclockwise** to check that belt is properly aligned.

- Remove four screws holding bulkhead to front flange of cabinet and lift complete bulkhead assembly out of slots in cabinet, *Figure 37*.

**NOTE:** When reassembling the front bulkhead to the cabinet, hold glides in position with finger tips on the edges of glides. Once bulkhead is in place, inspect the glide position with a mirror to ensure the glides are aligned with the cylinder, making sure the tabs are visible, *Figure 38*.

## **⚠ WARNING**

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

W005

**IMPORTANT:** During reinstallation of front bulkhead, make sure that air duct is properly positioned with the flange inside of the felt seal on the exhaust fan cover, *Figure 29*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can cause fire and dryer malfunction.

- Loosen two cabinet top hold-down screws, *Figure 37*.
- Manually rotate cylinder until one of the baffles is at the 6 o'clock position and carefully remove cylinder out through front of dryer.
- 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, *Figure 26*.

## WARNING

To reduce the risk of electrical 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

- (2) Remove screw from right side of burner housing, holding burner tube in place, *Figure 28*.
- (3) Gently move burner tube toward rear of dryer to disengage tab, *Figure 26*, from slot on left side of burner housing.
- (4) Carefully rotate burner tube and igniter **counterclockwise** so tab is at 8 o'clock position.
- (5) Move air shutter end of burner tube slightly to right and CAREFULLY remove burner tube and igniter assembly out through front of dryer.

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

- (6) Remove screw holding burner housing to heat shroud, *Figure 26*.
- (7) Remove screw holding front of burner housing to dryer base and remove housing out through front of dryer, *Figure 28*.

- (8) Remove four screws holding shroud to heater box, *Figure 26*, and remove shroud out through front of dryer.

j. **Electric models:**

- Remove two screws holding element and plate to heater box, then pull element down and away from heater box, *Figure 28*.
- k. Remove screw holding heat shield to dryer base, *Figure 40*.
  - l. While supporting bulkhead, remove the four screws holding rear bulkhead to dryer cabinet, *Figure 40*, then lift complete assembly out of dryer.
  - m. Remove two screws holding heat shield to heater box, *Figure 40*.
  - n. To remove heater box from rear bulkhead, refer to *Figure 42*.

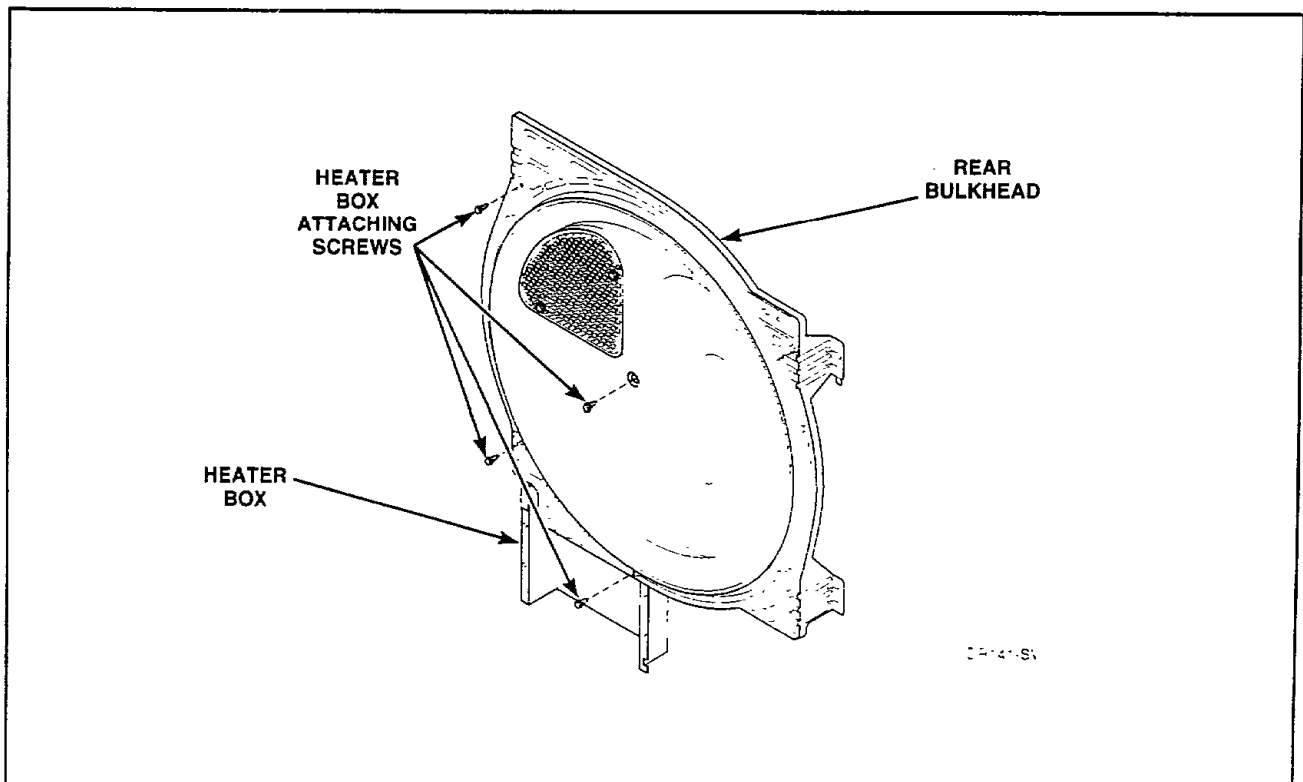


Figure 42

## ⚠ WARNING

**To reduce the risk of electrical 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

### 39. TERMINAL BLOCK OR POWER CORD

#### a. Terminal block

- (1) While supporting the lower access panel, remove two screws from bottom edge of lower front access panel, *Figure 10*.
- (2) Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- (3) Remove two screws holding bottom tabs on front panel to dryer cabinet, *Figure 11*. Swing bottom of front panel away from dryer to disengage hold-down clips and guide lugs from cabinet top.
- (4) Disconnect wires from door switch, *Figure 12*.

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

- (5) Remove two cabinet top hold-down screws, *Figure 37*.
- (6) Lift cabinet top to a vertical position by hinging it on the rear hinges, *Figure 43*.

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

- (7) Remove all wires from terminal block. (Refer to appropriate wiring diagram when rewiring terminal block.)
- (8) Remove screw holding terminal block to rear bulkhead, *Figure 43*.

#### b. Power cord

- (1) Remove access plate on rear of cabinet.
- (2) Remove strain relief, *Figure 44*.
- (3) Remove screw holding power cord earth wire (ground) to rear bulkhead, *Figure 44*.

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

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

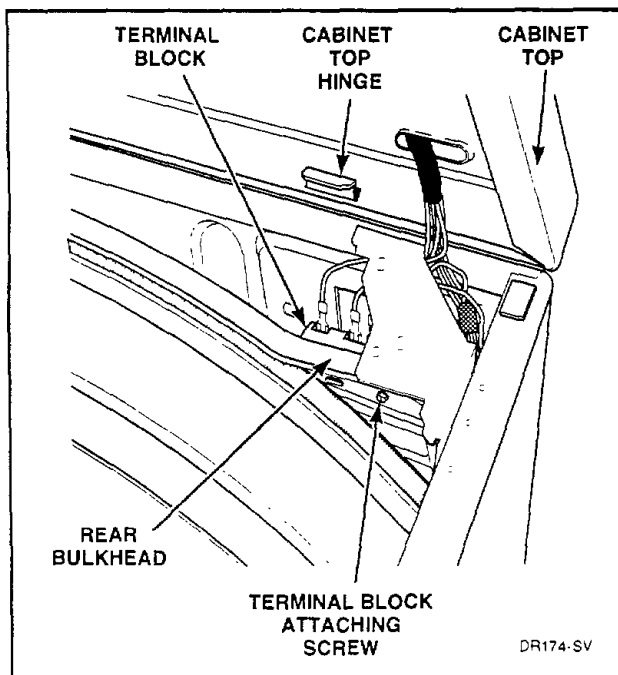


Figure 43

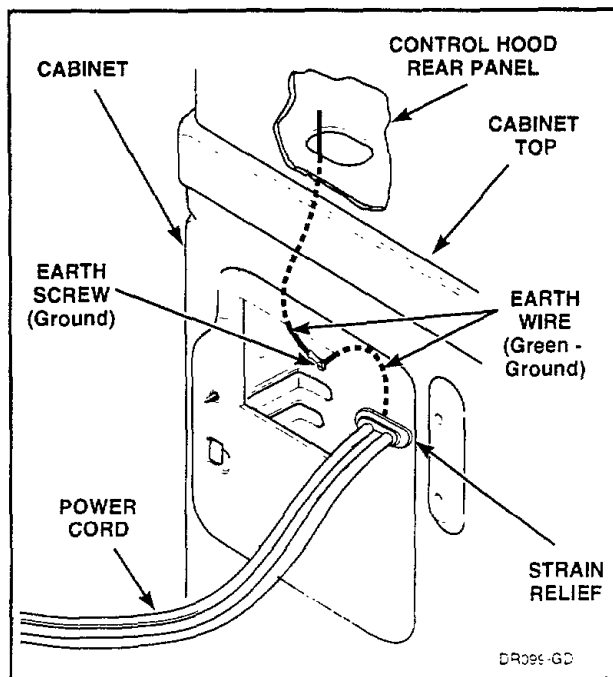


Figure 44

## **WARNING**

**To reduce the risk of electrical 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

### **40. CABINET**

- a. Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top, *Figure 5 or 6*.
- b. Disconnect all wires to TEMPERATURE SWITCH, PUSH-TO-START switch and INDICATOR LIGHT and remove ground clip and screw holding ground wire to cabinet top and control panel, *Figure 4*.

**NOTE: Refer to appropriate wiring diagram when reconnecting wires.**

#### **c. Metered models:**

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

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

- (3) Disconnect accumulator wires at connector, *Figure 8*.

**NOTE: Refer to appropriate wiring diagram when reconnecting wires.**

- (4) Remove hex head earth screw (ground) holding green earth wire (ground) to accumulator mounting bracket, *Figure 8*.
  - (5) Remove two hex head cap screws (inside meter case) holding meter case to cabinet top, *Figure 9*.
- #### **d. Non-metered models:**
- (1) Remove four screws holding timer and plate to timer case, *Figure 7*.
  - (2) Pull timer and plate out of timer case as far as wires will permit, *Figure 7*.
  - (3) Disconnect wires from timer, *Figure 7*.

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

- e. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel, *Figure 10*.
- f. Gently lower the access panel to disengage guide lugs from bottom edge of front panel.

- g. Remove two screws holding bottom tabs on front panel to dryer cabinet, *Figure 11*. Swing bottom of front panel away from dryer to disengage hold-down clips and guide lugs from cabinet top.
- h. Disconnect wires from door switch, *Figure 12*.

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

- i. Remove two cabinet top hold-down screws, *Figure 37*.
- j. Lift cabinet top to a vertical position by hinging it on the rear hinges, *Figure 43*.

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

- k. Carefully withdraw wire harness through hole in cabinet top and lift the cabinet top assembly off the rear hinges and set aside.
- l. Disengage belt from motor and idler pulleys, *Figure 32*.

**NOTE: When reinstalling belt, make sure belt is properly installed on motor and idler pulleys and is on the correct side of the idler pulleys, *Figure 32*. Belt must be positioned around cylinder approximately three inches ahead of rear rib on cylinder, *Figure 39*, with the ribbed surface of the belt against cylinder. After installing belt, manually rotate cylinder **counterclockwise** to check that belt is properly aligned.**

- m. Remove four screws holding bulkhead to front flange of cabinet. Then lift complete bulkhead assembly out of slots in cabinet, *Figure 37*.

**NOTE: When reassembling the front bulkhead to the cabinet, hold glides in position with finger tips on the edges of glides. Once bulkhead is in place, inspect the glide position with a mirror to ensure the glides are aligned with the cylinder, making sure the tabs are visible, *Figure 38*.**

## **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

(continued)

## ▲WARNING

To reduce the risk of electrical 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

**IMPORTANT:** During reinstallation of front bulkhead, make sure that air duct is properly positioned with the flange inside the felt seal on exhaust fan cover, *Figure 29*. If the seal is installed improperly, the airflow through the exhaust system will be restricted which can cause fire and dryer malfunction.

- n. Manually rotate cylinder until one of the baffles is at the 6 o'clock position and carefully remove cylinder out through front of dryer.
- o. **Gas models:**
  - (1) Disconnect igniter wires or disconnect blocks, sensor wires from flame sensor terminals, *Figure 26*, and wires from gas valve coils at the quick disconnect blocks, *Figure 28*.
  - (2) Remove screw from right side of burner housing, holding burner tube in place, *Figure 28*.
  - (3) Gently move burner tube toward rear of dryer to disengage tab, *Figure 26*, from slot on left side of burner housing.
  - (4) Carefully rotate burner tube and igniter **counterclockwise** so tab is at 8 o'clock position.
  - (5) Move air shutter end of burner tube slightly to the right and **CAREFULLY** remove burner tube and igniter assembly out through front of dryer.

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

- (6) Remove screw holding burner housing to heat shroud, *Figure 26*.
- (7) Remove screw holding front of burner housing to dryer base and remove housing out through front of dryer, *Figure 26*.
- (8) Remove four screws holding shroud to heater box, *Figure 26*, and remove shroud out through front of dryer.

### **Electric models:**

- (1) Remove two screws holding element and plate to heater box, then pull element down and away from heater box, *Figure 28*.
- p. Remove screw holding heat shield to dryer base, *Figure 40*.
- p. While supporting bulkhead, remove screws holding bulkhead to rear of dryer cabinet, and remove assembly out of dryer, *Figure 40*.
- r. Remove screw holding exhaust duct to dryer cabinet and pull duct out of cabinet, *Figure 40*.
- s. Remove two screws from each rear hinge, *Figure 43*.
- t. Remove screw holding terminal block access plate to rear of dryer cabinet and remove plate.
- u. Remove wire harness clips.
- v. Remove guide lugs and screws.
- w. Remove two screws from front edge at each side of cabinet, *Figure 37*. Then remove remaining screws from around bottom of cabinet and lift cabinet off base.

## ⚠ WARNING

**To reduce the risk of electrical 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

### 41. BASE

- While supporting the lower access panel, remove two screws from bottom edge of lower front access panel, *Figure 10*.
- Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- Remove two screws holding bottom tabs on front panel to dryer cabinet, *Figure 11*. Swing bottom of front panel away from dryer to disengage hold-down clips and guide lugs from cabinet top.
- Disconnect wires from door switch, *Figure 12*.

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

#### e. Gas models:

- Disconnect igniter wires or disconnect blocks, sensor wires from flame sensor terminals, *Figure 26*, and wires from gas valve coils at the quick disconnect blocks, *Figure 28*.
- Close main gas shut-off valve and gas shut-off valve inside of dryer, *Figure 28*.
- Disconnect gas line to dryer.
- Remove two screws holding gas valve bracket to base and remove valve with lead-in pipe attached, *Figure 26*.
- Remove screw from right side of burner housing, holding burner tube in place, *Figure 28*.
- Gently move burner tube toward rear of dryer to disengage tab, *Figure 26*.
- Carefully rotate burner tube and igniter **counterclockwise** so tab is at 8 o'clock position and CAREFULLY remove burner tube and igniter assembly out through front of dryer.

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

- Remove screw holding front of burner housing to dryer base, *Figure 26*.
- Remove four screws holding shroud to heater box, *Figure 26*, and remove shroud and burner housing out through front of dryer.

#### Electric models:

- Remove two screws holding element and plate to heater box, then pull element down and away from heater box, *Figure 28*.
  - Disconnect wire harness from limit thermostat, thermal fuse and/or heating element, *Figure 28*.
- Remove screw holding heat shield to dryer base, *Figure 40*.
  - Open loading door and remove two screws from lint filter and lift lint filter out of front bulkhead, *Figure 15*.
  - Remove screws holding air duct to front bulkhead and remove air duct, *Figure 30*.

**NOTE:** When reassembling, make sure felt seal on exhaust fan cover, *Figure 29*, makes air tight seal on flange of air duct.

- Disconnect wires from thermostat and heater, *Figure 29*.

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

- Remove cylinder belt from idler and motor pulleys, *Figure 32*.

**NOTE:** When reinstalling belt, make sure belt is properly installed on motor and idler pulleys and is on the correct side of the idler pulleys, *Figure 32*. Belt must be positioned around cylinder approximately three inches ahead of rear rib on cylinder, *Figure 39*, with the ribbed surface of the belt against cylinder. After installing belt, manually rotate cylinder **counterclockwise** to check that belt is properly aligned.

- Remove two screws holding motor mounting bracket to dryer base, *Figure 31*.
- Disengage motor wire harness connection block from motor switch by pressing in on the movable locking tabs (located on each end of the connection block) and pulling away from motor, *Figure 36*.

## **▲WARNING**

**To reduce the risk of electrical 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

**IMPORTANT:** When reinstalling motor and exhaust assembly, make sure wire harness on right side is clipped to motor mounting bracket and is routed along dryer base (between motor mounting bracket and right side of cabinet), *Figure 31*. 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, *Figure 32*.

- m. Pull motor and exhaust assembly forward and disengage the middle exhaust duct.
- n. Rotate the motor and exhaust assembly 90° **counterclockwise** and slide out through front of dryer.
- o. Remove two screws from front edge at each side of cabinet, *Figure 37*. Then remove remaining screws from around bottom of cabinet and lift cabinet off base.
- p. Remove leveling legs from base and reinstall on new base.



# SECTION III

## Adjustments

### ⚠ WARNING

To reduce the risk of electrical 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

#### 42. LEVELING LEGS (Figure 45)

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

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

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

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

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

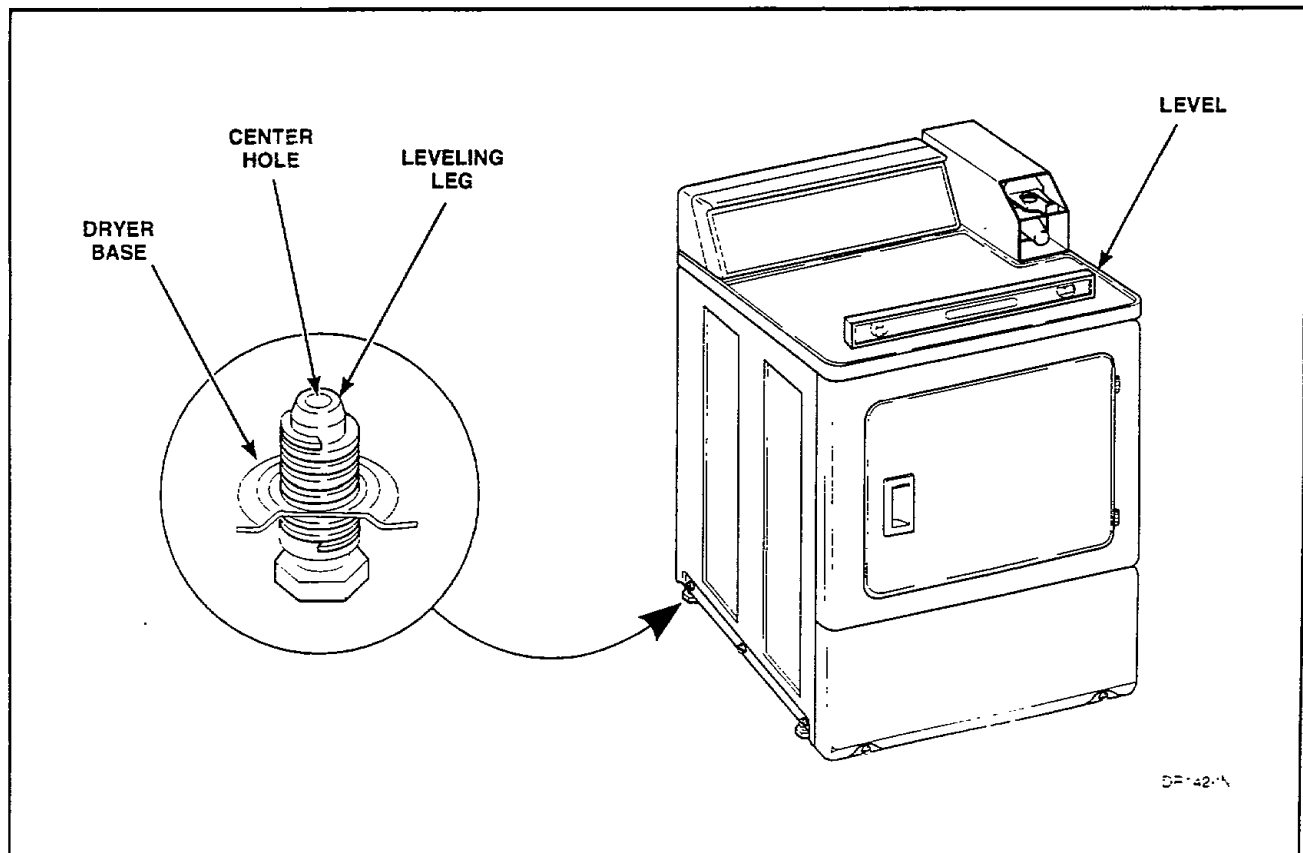


Figure 45

## ▲WARNING

To reduce the risk of electrical 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.

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### 43. BURNER FLAME (Gas Models)

- While supporting the lower access panel, remove two screws from bottom edge of lower front access panel, *Figure 10*.
- Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- Set temperature switch at NORMAL.
  - Metered Models – Place coins in slide and carefully push slide in as far as possible
  - Nonmetered Models – set timer at “50” minutes.
- 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.
- Allow the dryer to operate for approximately five minutes, then loosen the air shutter lockscrew, *Figure 46*.
- Turn the air shutter to the right or left to obtain a soft, uniform blue flame. (A lazy, orange-tipped flame indicates lack of air. A harsh, roaring, very blue flame indicates too much air.)
- After proper flame is obtained, tighten air shutter lockscrew securely, *Figure 46*.
- Reinstall lower front access panel and screws.

## ▲WARNING

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

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

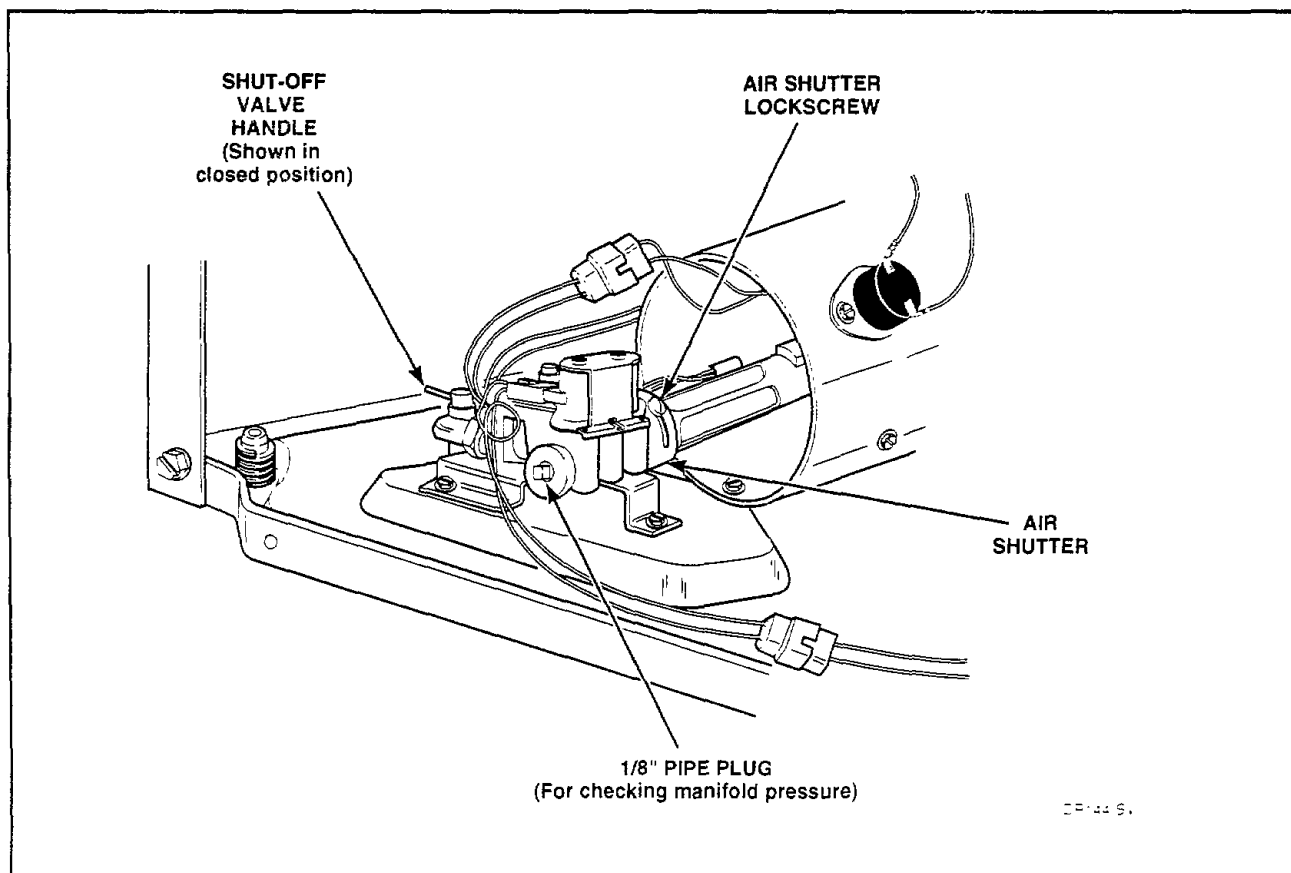


Figure 46

# SECTION IV

## Test Procedures

### ⚠WARNING

To reduce the risk of electrical 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.

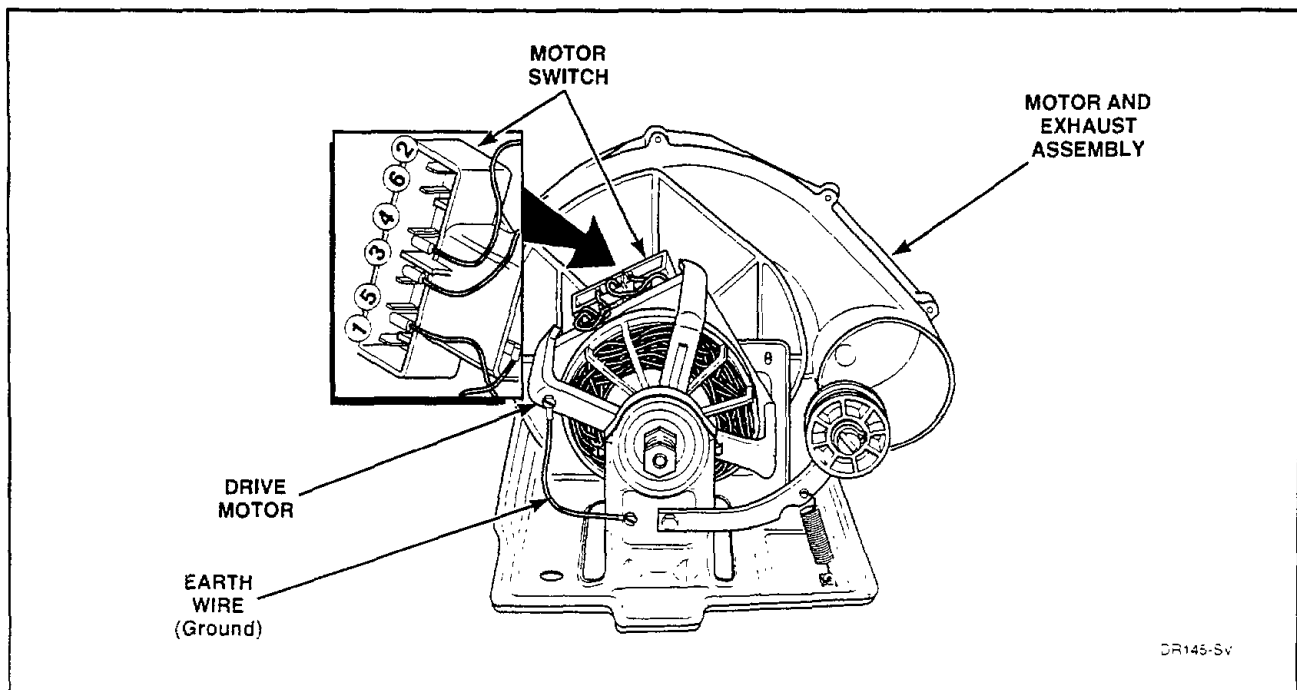
W001

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

#### 44. DRIVE MOTOR (Figure 47)

- a. Remove motor and exhaust assembly, paragraph 31.
- b. Disconnect motor wire harness at motor connection block.

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



DR145-Sv

Figure 47

# **▲WARNING**

**To reduce the risk of electrical 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

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

## **▲WARNING**

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

Unplug motor connection block before starting this test.

### **START TERMINALS**

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

A. Continuity exists between switch terminal 5 and black wire.

NO

YES

B. Manually depress actuator. Continuity broken between switch terminal 5 and black wire.

NO

Inoperative start switch. Replace switch.

YES

### **RUN TERMINALS**

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

C. Continuity broken between switch terminal 6 and yellow wire.

NO

YES

D. Manually depress actuator. Continuity exists between switch terminal 6 and yellow wire.

NO

Inoperative start switch. Replace switch.

YES

### **HEATER CIRCUIT TERMINALS**

E. Continuity broken between switch terminal 1 and switch terminal 2.

NO

YES

F. Manually depress actuator. Continuity exists between switch terminal 1 and switch terminal 2.

NO

Inoperative start switch. Replace switch.

YES

Motor switch checks OK.

**⚠ WARNING**

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

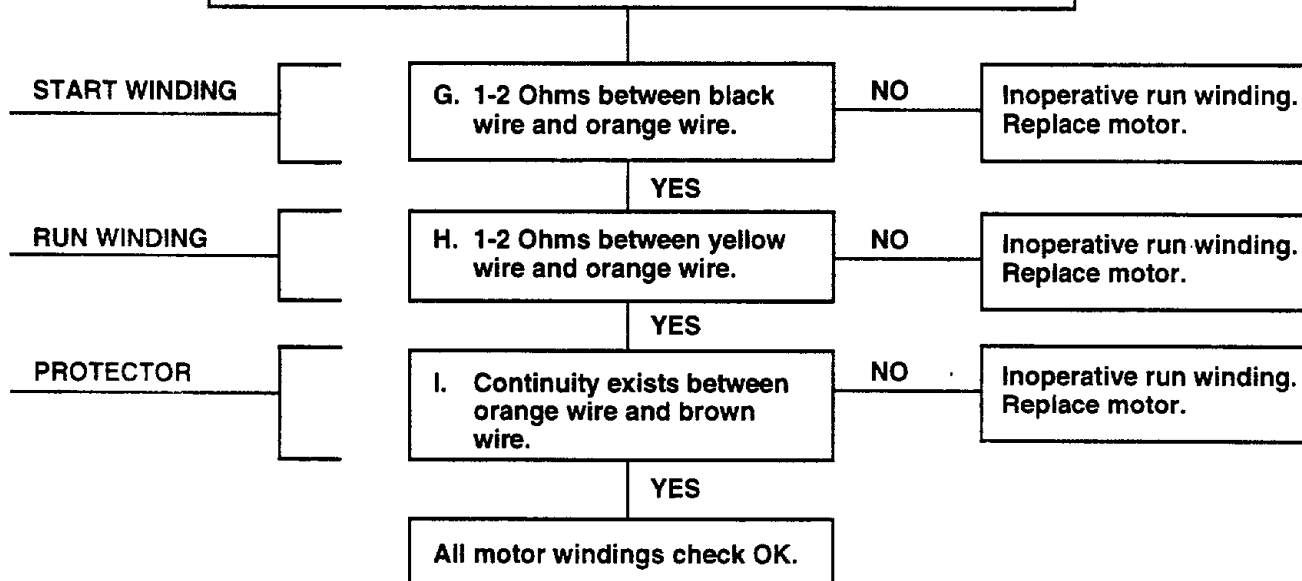
- Disconnect electric power to the dryer before servicing.
- Close gas shut-off valve to gas dryer before servicing.
- Never start the dryer with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the dryer is properly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

W001

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

**⚠ WARNING**

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



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

☐ Y Yes

☐ N No

**DRYER MOTOR FAILURE**

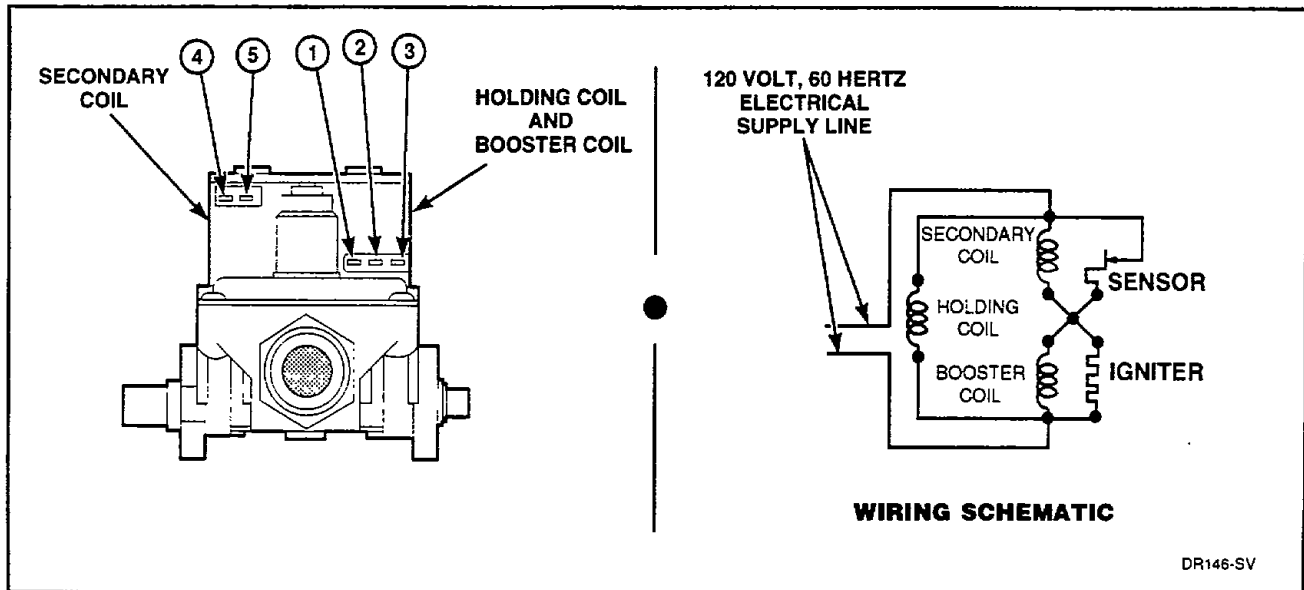
Motor Switch:	Start Terminals	<input type="checkbox"/> A
		<input type="checkbox"/> B.
Run Terminals:		<input type="checkbox"/> C.
		<input type="checkbox"/> D.
Heater Circuit Terminals:		<input type="checkbox"/> E.
		<input type="checkbox"/> F.
Motor Windings:	Start winding:	<input type="checkbox"/> G.
	Run winding:	<input type="checkbox"/> H.
	Protector:	<input type="checkbox"/> I.

## ▲WARNING

To reduce the risk of electrical 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.

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### 45. BURNER SYSTEM OPERATION (Gas Models - Figure 48)

#### 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.

#### 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 split-coil valve. Once opened, the holding coil can hold the valve open without assistance from the booster coil. The current shunted around the secondary coil by the flame sensor, passes through the igniter causing it to get hot.

#### Burner Circuit

In approximately 30 seconds, the igniter attains ignition temperature and the flame sensor (located on burner housing beside the igniter) contacts

open. A circuit is then completed through the secondary valve coil, opening the valve and allowing gas to flow. Ignition is made and the heat from the burner flame causes the flame sensor contacts to remain open.

### 46. IGNITION SYSTEM FEATURES (Gas Models - Figure 48)

**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.

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

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

## WARNING

To reduce the risk of electrical 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.

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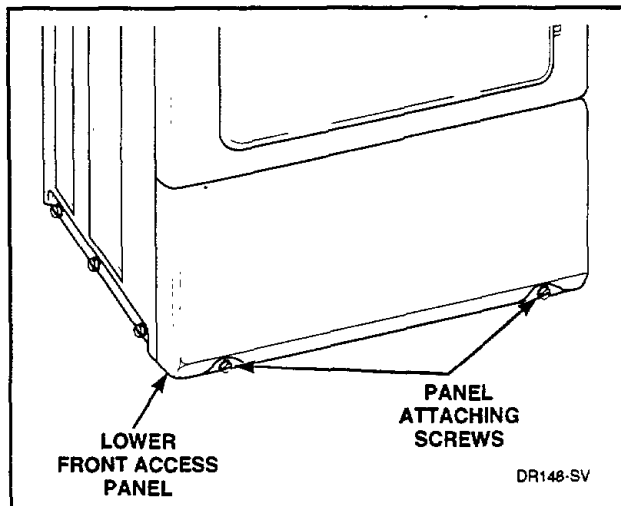


Figure 49

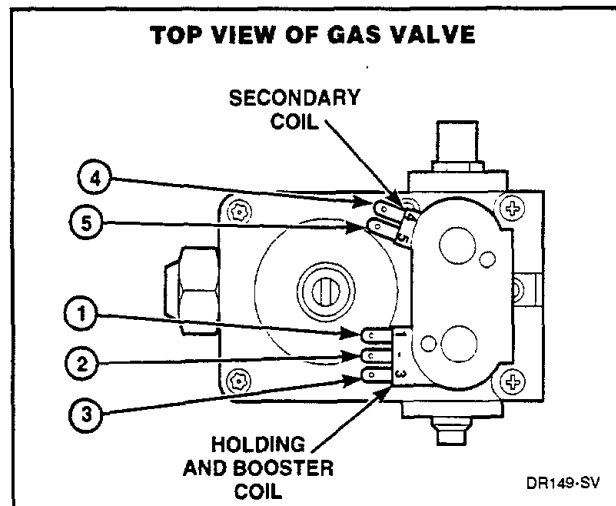


Figure 50

### 47. ELECTRICAL CIRCUIT TO IGNITION SYSTEM (Gas Models)

- While supporting the lower access panel, remove two screws from bottom edge of lower front access panel. *Figure 49.*
- Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- Close gas shut-off valve, *Figure 46.*
- Remove valve wire harness disconnect block from the holding and booster coil, *Figure 48.*
- Plug dryer power cord into wall receptacle, start the dryer in a heat setting (refer to the Operating Instructions supplied with dryer).
- Set test meter to read AC voltage and apply meter probes into terminals on the dryer harness that would correspond to terminals "1" and "2" on the coil, *Figure 48.* Meter should register line voltage in all Fabric settings, except FLUFF which should read "zero" VAC.
- If meter does not read line voltage in step "f", check motor switch, thermostats, fabric switch, accumulator, or timer.

### 48. GAS VALVE COILS (Gas Models)

- While supporting the lower access panel, remove two screws from bottom edge of lower front access panel, *Figure 49.*
- Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- Close gas shut-off valve, *Figure 46.*
- Remove disconnect blocks from gas valve coils, *Figure 48.*
- Set test meter to read OHMS and put meter probes to terminals as follows:

#### COIL TOLERANCE READINGS

	60 Hertz	50 Hertz
Holding Coil Terminals 1 and 2	1365 ± 25 Ohms	1700 ± 75 Ohms
Booster Coil Terminals 1 and 3	560 ± 25 Ohms	750 ± 35 Ohms
Secondary Coil Terminals 4 and 5	1220 ± 50 Ohms	1650 ± 75 Ohms

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

## WARNING

To reduce the risk of electrical 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.

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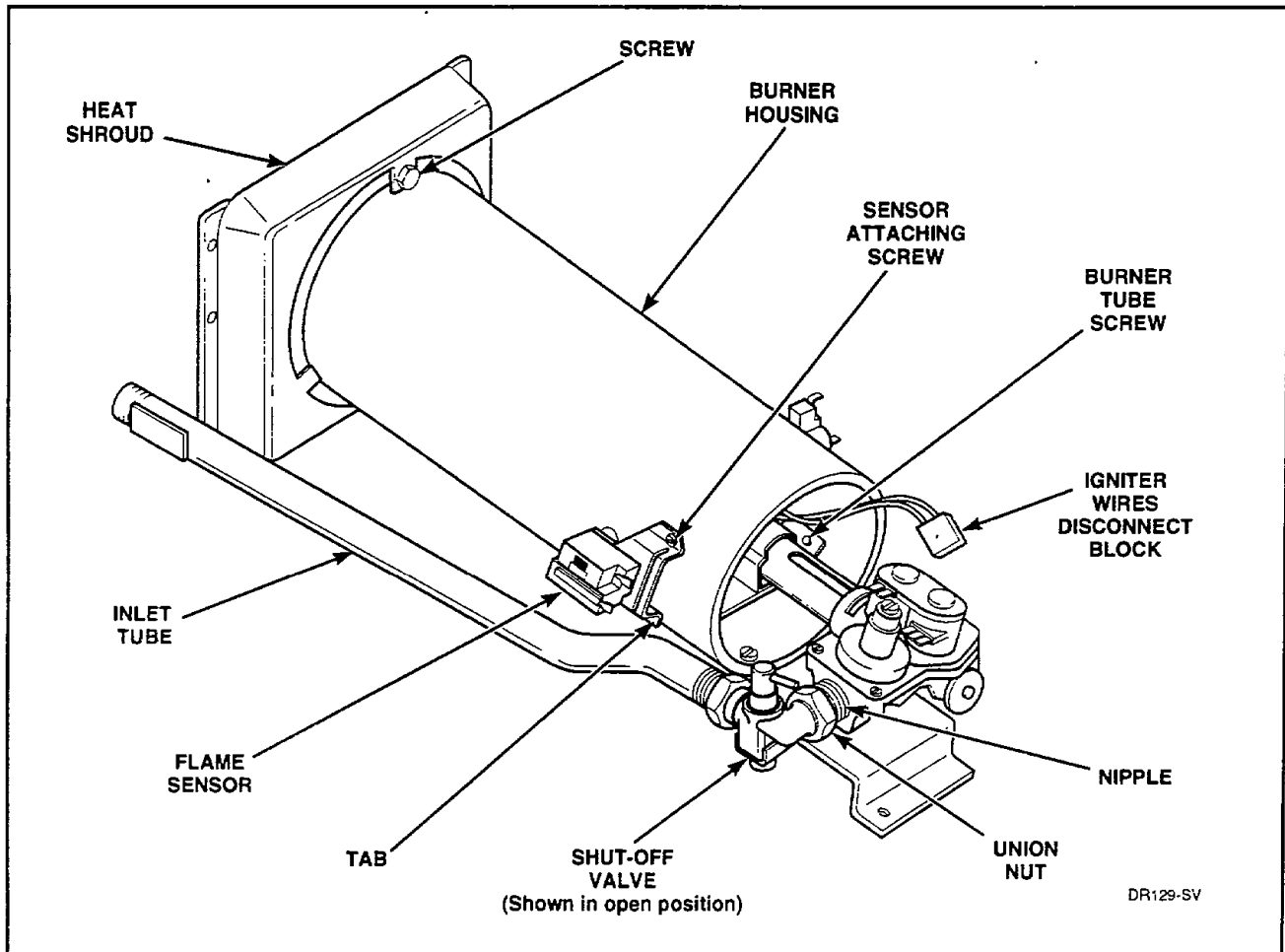


Figure 51

### 49. FLAME SENSOR

- While supporting the lower access panel, remove two screws from bottom edge of lower front access panel, *Figure 49*.
- Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- Close gas shut-off valve, *Figure 51*.
- Remove wires from sensor terminals, *Figure 51*.
- 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.



## **⚠ WARNING**

**To reduce the risk of electrical 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

### **50. IGNITER**

- While supporting the lower access panel, remove two screws from bottom edge of lower front access panel, *Figure 49*.
- Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- Close gas shut-off valve, *Figure 51*.
- Disconnect igniter wires at disconnect block, *Figure 51*.
- Set test meter to read OHMS and put meter probes on terminals of igniter wires.
- Meter should register a reading of at least 100 to 800 Ohms. If meter registers other than 100 to 800 Ohms, replace the igniter.

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

**NOTE:** Test procedures in paragraph 48, 49 and 50 can be performed on workbench if gas valve, igniter, burner tube and burner housing have been removed from dryer.

### **51. DOOR SWITCH**

- While supporting the lower access panel, remove two screws from bottom edge of lower front access panel, *Figure 49*.
- Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- Remove two screws holding bottom tabs on front panel to dryer cabinet, *Figure 11*. Swing front panel away from dryer to disengage hold-down clips and guide lugs from cabinet top.
- Disconnect wires from door switch, *Figure 12*.

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

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

### **52. PUSH-TO-START SWITCH**

- Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top, *Figure 5 or 6*.
- Unplug dryer from electrical supply and disconnect wires from switch terminals.
- Set Volt-Ohm meter on OHMS scale and calibrate at appropriate scale.
- Place meter probes on switch terminals. You should see an "infinite" reading on the meter.
- With probes attached to switch, press the start switch button. You should read "0" Ohms.

## ▲WARNING

**To reduce the risk of electrical 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

### 53. TEMPERATURE SWITCH

- Remove two control panel attaching screws and lay panel face down on protective padding on cabinet top, *Figure 5 or 6*.
- Disconnect all wires from temperature switch.

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

- Set test meter to read OHMS and apply meter leads to terminals:

- |              |   |                            |
|--------------|---|----------------------------|
| (1) L1 and 2 | } | "zero" reading in NORMAL   |
| (2) L1 and 2 |   |                            |
| (3) L1 and 1 | } | "zero" reading in DELICATE |
| L1 and 2     |   |                            |

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

- Set test meter to read OHMS. The following readings should be found:
  - (1) Motor circuit test - L1 and M = "zero" Ohms (closed)
  - (2) Heat circuit test - L1 and H = "zero" Ohms (closed)
  - (3) Timer motor test - L1 and N = approximately 1100 Ohms or apply live power to timer motor terminals and motor should run.

**NOTE: Timer Motor Resistance**

120 Volt, 60 Hz. 2,460 - 3,100 Ohms  
240 Volt, 50 Hz. 10,900 - 13,300 Ohms

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

### 54. TIMER CONTACTS (Nonmetered Models)

- Remove four screws holding timer and plate to timer case, *Figure 7*.
- Pull timer plate out of timer case as far as wires will permit, *Figure 7*.
- Disconnect wires from timer, *Figure 52*, except timer motor wires.

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

- Manually rotate timer out of "OFF" position and into cycle.

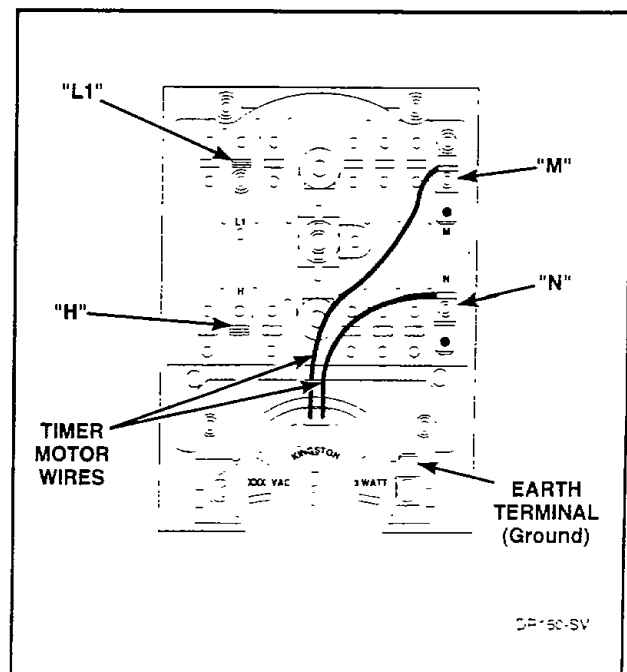


Figure 52

## ▲WARNING

To reduce the risk of electrical 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

### 55. ACCUMULATOR AND TIMING MOTOR (Metered Models - Figure 53)

- Remove service door, accumulator and timing motor assembly, *paragraph 10*.
- Remove wires from one side of each switch.

**NOTE:** Refer to appropriate wiring diagram when rewiring switches.

- Manually advance timing cam to disengage it from ratchet wheel.
- 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)

- Manually advance timing cam until it engages with ratchet wheel and the first "click" is heard. Switch B should now read "infinite" (open).
- 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).

#### g. Timer motor

Apply live power to timer motor leads. Timer motor should advance timing cam.

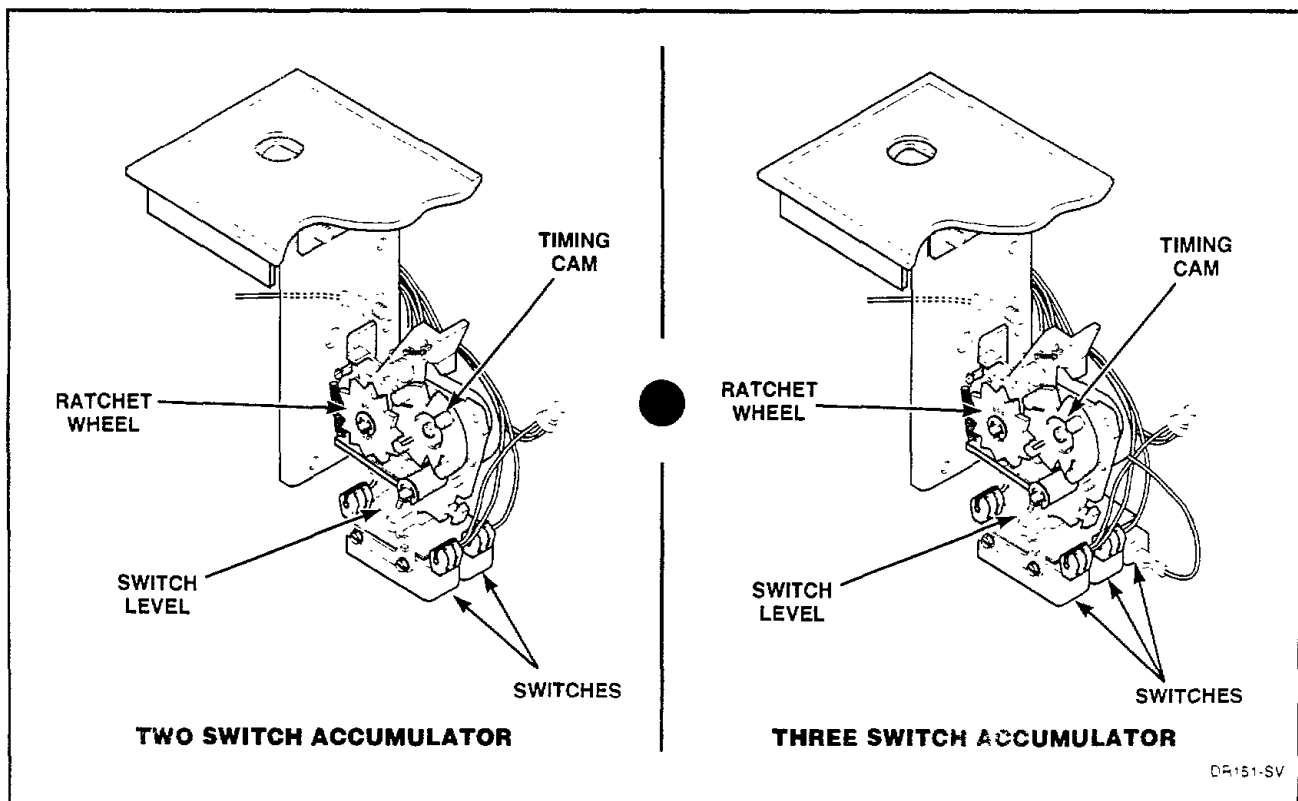


Figure 53

## **▲WARNING**

**To reduce the risk of electrical 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

### **56. CYCLING OR LIMIT THERMOSTAT**

- a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel, *Figure 49*.
- b. Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- c. Disconnect wires from thermostat, *Figure 28* or *Figure 29*.

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

#### **Cycling Thermostat (S.P.S.T.) or Limit Thermostat**

- (1) Set meter to read OHMS.
- (2) Apply meter probes to the thermostat terminals.
- (3) Meter should read "infinite".

#### **Cycling Thermostat (S.P.D.T.)**

- (1) Set meter to read OHMS.
- (2) Apply meter probes to terminals 1 and 3. Meter should read "infinite".
- (3) Remove screws holding thermostat to exhaust fan cover, *Figure 29*.
- (4) Heat thermostat with a small flame until a distinct "click" is heard, then immediately apply meter probes to terminals 1 and 3; meter should read "zero".

### **57. THERMOSTAT HEATER**

- a. While supporting the lower access panel, remove two screws from bottom edge of lower front access panel, *Figure 49*.
- b. Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- c. Disconnect wires from thermostat heater, *Figure 29*.

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

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

120 Volt, 60 Hz. 1,600 Ohms  $\pm$  160 Ohms.  
240 Volt, 50 Hz. 9,600 Ohms  $\pm$  960 Ohms.

**▲WARNING**

**To reduce the risk of electrical 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

**58. THERMAL FUSE (Electric Models)**

- While supporting the lower access panel, remove two screws from bottom edge of lower front access panel, *Figure 49*.
- Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- Disconnect wires from thermal fuse, *Figure 28*.

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

- Set meter to read OHMS. Apply meter probes to thermal fuse terminals. Meter should read "infinite". If meter does not register any Ohms, replace both the thermal fuse and the limit thermostat.

**59. HEATER ASSEMBLY (Electric Models)**

- While supporting the lower access panel, remove two screws from bottom edge of lower front access panel, *Figure 49*.
- Gently lower the access panel to disengage guide lugs from bottom edge of front panel.
- Disconnect wires from heater assembly, *Figure 28*.

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

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

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

# SECTION V

## Service Helps

### ▲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

**IMPORTANT:** Refer to appropriate Wiring Diagram for aid in testing dryer components.

### 60. MOTOR DOES NOT RUN

POSSIBLE CAUSE	TO CORRECT
Electrical power off, fuse blown, or power cord not plugged in.	Has the laundry room fuse(s) blown or become loosened, or are circuit breakers open? <b>The dryer itself does not have an electrical fuse.</b>
Loading door not closed or inoperative door switch.	Close door or test switch and replace if inoperative.
Timer improperly set (Nonmetered models).	Reset timer.
Inoperative timer (Nonmetered models).	Test timer and replace if inoperative.
Inoperative accumulator (Metered models).	Test accumulator and replace if inoperative.
Accumulator not being activated (Metered Models).	Install slide extension. Make sure accumulator mounting bracket is 90 degrees to the service door.
Start circuit not completed.	Press start switch button, or test switch and replace if inoperative.
Motor starting functions inoperative. No start; or motor hums only.	Refer to SECTION IV to check start switch and start windings.
Motor is dead, won't run.	Refer to SECTION IV to check start switch and start windings.
Motor overload protector has cycled.	Wait two or three minutes for overload protector to reset. If protector cycles repeatedly, refer to <i>paragraph 61</i> .
Motor centrifugal switch sticky or plugged with lint.	Remove dust or lint and spray with "SLYDE", No. 131P4, to clean and lubricate.
Bind in motor bearings.	Remove belt and determine if motor shaft will spin. Replace motor if shaft is locked up.
Loose motor wire harness connection block.	Firmly press connection block onto motor switch.
Broken, loose, or incorrect wiring.	Refer to appropriate wiring diagram.
Power cord is miswired.	Refer to appropriate wiring diagram for the correct wiring.

**⚠ WARNING**

**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.**

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#### 61. DRYER STOPS IN CYCLE; QUILTS AFTER A COUPLE LOADS; HAS A BURNING SMELL; CYCLES ON MOTOR THERMAL OVERLOAD PROTECTOR.

POSSIBLE CAUSE	TO CORRECT
Incorrect Voltage.	Refer to INSTALLATION INSTRUCTIONS (supplied with dryer) for electrical requirements.
Clothes load too large.	Remove part of load. A normal washer load is a normal dryer load. Maximum load: Dryer cylinder one half full of wet clothes.
Clothes cylinder is binding.	Check cylinder for binding and "out of round" condition. Also check front and rear bulkheads for warping. Check support rollers for binding. Check cylinder seals and glides for wear or damage.
Broken, loose or incorrect wiring.	Refer to appropriate wiring diagram.
Motor switch functions inoperative. Short in motor winding.	Refer to SECTION IV to check switch and windings.
Belt not installed properly.	Refer to <i>Figure 32</i> for proper belt position.

#### 62. MOTOR RUNS BUT CYLINDER DOES NOT TURN

POSSIBLE CAUSE	TO CORRECT
Motor drive pulley loose.	Tighten pulley, <i>Figure 33</i>
Belt not installed on pulley, belt upside down or twisted.	Install belt properly.
Broken cylinder belt.	Replace belt.
Clothes cylinder is binding.	Check cylinder for binding and "out of round" condition. Also check front and rear bulkheads for warping. Check cylinder rollers for binding. Check cylinder seals and glides for wear or damage.
Broken or disconnected idler lever spring.	Replace or reconnect spring, <i>Figure 33</i> .

#### 63. MOTOR DOES NOT STOP

POSSIBLE CAUSE	TO CORRECT
Incorrect wiring.	Refer to appropriate wiring diagram.
Motor centrifugal switch sticky or plugged with lint.	Remove dust or lint and spray with "SLYDE", No. 131P4, to clean and lubricate.
Inoperative door switch.	Test switch and replace if inoperative.
Inoperative timer (Nonmetered models).	Test timer and replace if inoperative.
Inoperative accumulator (Metered models).	Test accumulator and replace if inoperative.

#### 64. MOTOR STARTS WHEN DOOR IS CLOSED

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

**▲WARNING**

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

- **Disconnect electric power to the dryer 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.**

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**65. HEATER ASSEMBLY DOES NOT HEAT OR BURNER DOES NOT IGNITE.**

<b>POSSIBLE CAUSE</b>	<b>TO CORRECT</b>
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.	Has the laundry room fuse(s) blown or become loosened, or are circuit breakers open? <b>The dryer itself does not have an electrical fuse.</b>
Temperature selector switch set at FLUFF, or inoperative.	Reset switch, or test switch and replace if inoperative.
Timer improperly set.	Reset timer.
Inoperative limit thermostat.	Test thermostat and replace if inoperative.
Electric Models: Inoperative heater assembly.	Test heater assembly. Replace heater assembly if cold Ohms do not read between 8 and 10.5 Ohms.
Gas Models: Insufficient gas supply.	Check gas shut-off valve in dryer and main gas line valve. Open partially closed gas shut-off valve, or correct low gas pressure.
Inoperative drive motor switch.	Test switch and replace if inoperative.
Gas Models: Inoperative gas valve coils.	Test coils and replace if inoperative, refer to <i>paragraph 48</i> .
Gas Models: Inoperative flame sensor.	Test flame sensor and replace if inoperative. Refer to <i>paragraph 49</i> .
Gas Models: Inoperative igniter.	Test igniter and replace if inoperative. Refer to <i>paragraph 50</i> .
Electric Models: Inoperative thermal fuse.	Test thermal fuse and replace if inoperative.
Inoperative cycling thermostat.	Test thermostat and replace if inoperative.
Inoperative timer (Nonmetered models).	Test timer and replace if inoperative.
Inoperative accumulator (Metered models).	Test accumulator and replace if inoperative.
Broken, loose, or incorrect wiring.	Refer to appropriate wiring diagram.



**▲WARNING**

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

- **Disconnect electric power to the dryer 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.**

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**66. IGNITER DOES NOT GLOW (gas supply sufficient) — GAS MODELS**

POSSIBLE CAUSE	TO CORRECT
No power to power leads on valve.	Check electrical circuit, <i>paragraph 47</i> .
Flame sensor failed with contacts open.	Replace flame sensor.
Igniter broken or open.	Replace igniter.

**67. 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. Is gas shut-off valve turned on?
Cracked igniter.	Replace igniter and bracket.
Inoperative or intermittent gas valve coils.	Check and replace appropriate coil. Refer to <i>paragraph 48</i> .

**68. 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).
Insufficient gas supply.	Check gas supply and pressure. Is gas shut-off valve turned on?
Igniter and bracket installed improperly on burner tube assembly.	Loosen screw and properly position igniter and bracket on burner tube assembly.
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 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.**

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**69. HEATER ASSEMBLY OR BURNER SHUTS OFF PREMATURELY**

POSSIBLE CAUSE	TO CORRECT
Improper or inadequate exhaust system. Weather hood flapper restricted. (Repeatedly cycling on limit thermostat.)	See INSTALLATION INSTRUCTIONS (supplied with dryer) for exhaust requirements.
Gas Models: Insufficient gas supply.	Check gas shut-off valve in dryer and main gas line valve. Open partially closed gas shut-off valve, or correct low pressure.
Gas Models: Dryer not properly equipped for type of gas used.	Refer to "Gas Burner Conversion Procedures" supplied in gas burner conversion kit.
Gas Models: Improperly adjusted burner flame.	Adjust flame, <i>paragraph 43</i> .
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 <i>paragraph 70</i> .
Gas models: Flame sensor contact closing prematurely. Burner flame improperly adjusted.	Replace flame sensor or adjust burner flame, <i>paragraph 43</i> .
Inoperative cycling thermostat.	Test thermostat and replace if inoperative.
Inoperative timer (Nonmetered models).	Test timer and replace if inoperative.
Broken, loose, or incorrect wiring.	Refer to appropriate wiring diagram.

**70. 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, <i>paragraph 27</i> .
Air leak around loading door. (Door not sealing due to damaged seal or inoperative door catch.)	Replace seal or catch.
Air leak at blower seal.	Check and replace seal if necessary.

**⚠ WARNING**

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

- **Disconnect electric power to the dryer 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.**

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**71. HEATER ASSEMBLY OR BURNER DOES NOT SHUT OFF**

POSSIBLE CAUSE	TO CORRECT
Inoperative motor switch. (Timer must be in a heat setting.)	Test switch and replace if inoperative.
Motor does not stop.	Refer to <i>paragraph 63</i> .
Incorrect wiring.	Refer to appropriate wiring diagram.
Heater assembly shorted.	Remove heater assembly and check for short.

**72. CLOTHES DO NOT DRY**

POSSIBLE CAUSE	TO CORRECT
Improper or inadequate exhaust system. Weather hood flapper restricted.	See INSTALLATION INSTRUCTIONS (supplied with dryer) for exhaust requirements.
Heater assembly does not heat or burner does not ignite.	Refer to <i>paragraph 65</i> .
Too much water in articles being dried.	Remove excess water.
Clothes load too large.	Remove part of load. A normal washer load is normal dryer load. Maximum load: Dryer cylinder one half full of wet clothes.
Excessive lint on lint filter.	Clean lint filter.
Load too small.	Add one or two bath towels to load.
Heat selector switch set on FLUFF or inoperative	Reset switch, or test and replace the switch if inoperative.
Improper or inadequate exhaust system.	See INSTALLATION INSTRUCTIONS (supplied with dryer) for exhaust requirements.
Heater assembly or burner shuts off prematurely.	Refer to <i>paragraph 69</i> .
Gas Models: Gas line pressure too high or too low.	If Natural Gas line pressure to dryer exceeds 8 inch water column pressure, or is lower than 4 inch water column, ask Gas Company to correct.
Improper belt installation (Low RPM). Is belt connected on motor shaft?	Check for proper belt installation, <i>Figure 32</i> .

**⚠ 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.**

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**73. CLOTHES ARE TOO HOT WHEN REMOVED FROM DRYER**

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

# SECTION VI

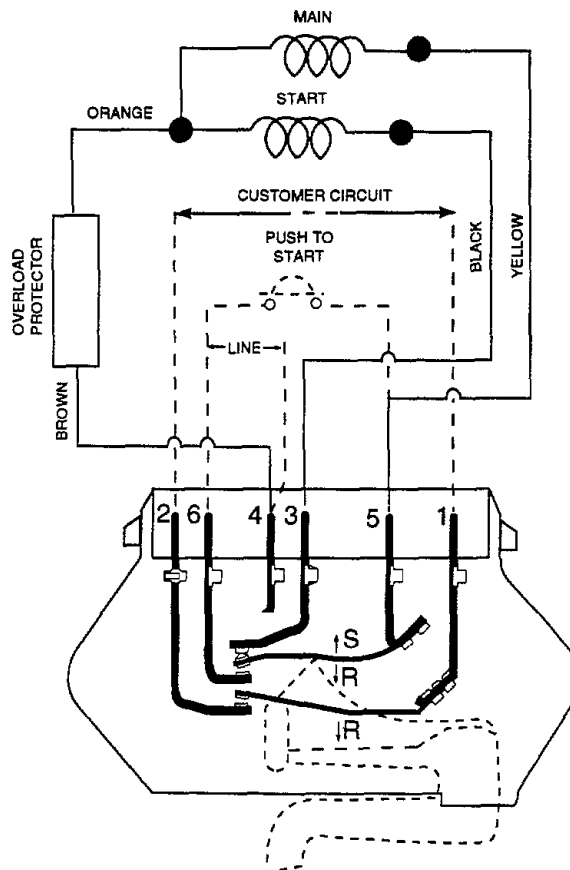
## Internal Wiring of Dryer Motor Switch

### WARNING

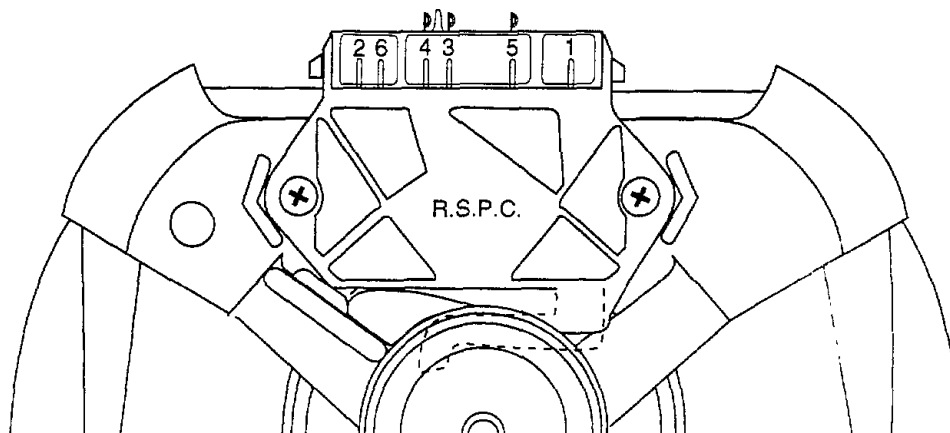
To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the dryer before servicing.
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SWITCH SHOWN IN START POSITION



DR166-SV