



Haier
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COMPACT DRYER

GDZ5-1

Training Presentation

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.....



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COMPACT DRYER

GDZ5-1

11 lbs. Electric Dryer
Stackable – Built in – Free Standing
4.13cu ft Stainless Steel Drum
Dual Temperature Operation
Dry Time Selector
“Clean Filter” Indicator Lamp
208-220v
Outdoor Venting Required

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COMPACT DRYER

GDZ5-1

WARRANTY

1st year – all parts and labor

2nd year – all parts

3rd – 5th year – drive motor, timer and drum rust through

3rd – 10th year – cabinet rust through

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COMPACT DRYER GDZ5-1

**Stacked on top of
XQG50-QF800
Front Loading Washer**

The dryer is mounted with a locking frame attached using the leveling legs.

Push the dryer back then lift up to 'unlock' it from the washer

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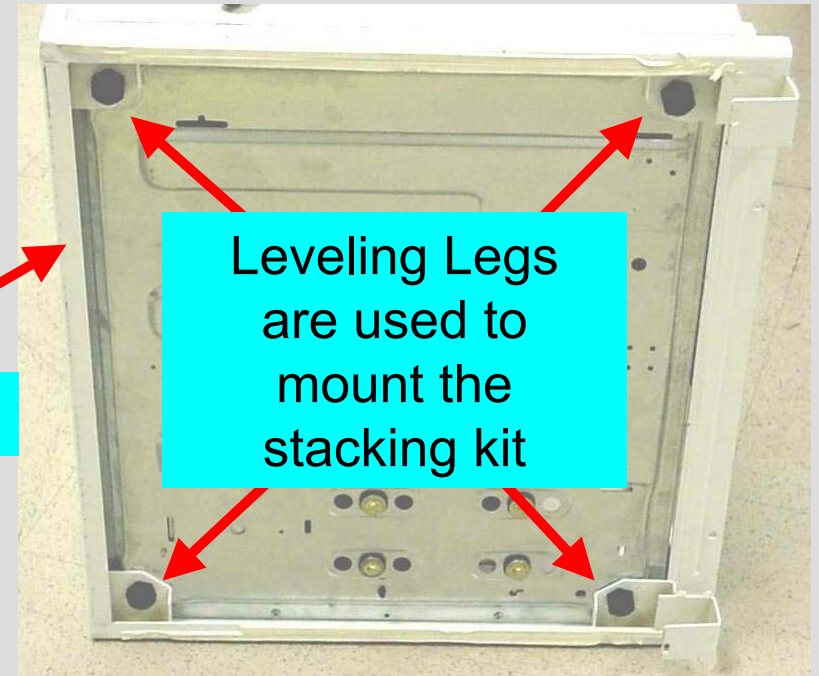


The dryer is mounted with a “Stacking Kit” attached using the original leveling legs

Push the dryer back then lift up to ‘unlock’ it from the washer



Stacking Kit

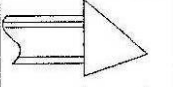
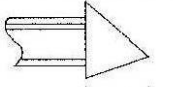


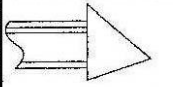
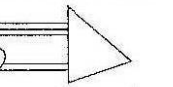
DUCTING

Use only 4" diameter rigid or flexible metal duct and approved vent hood which has a swing out damper.

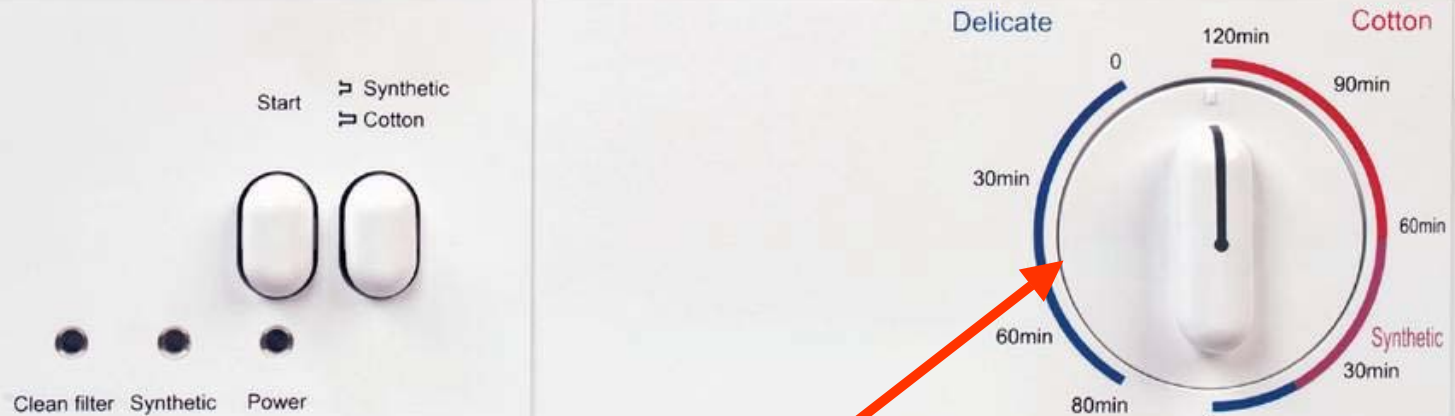
This chart shows the maximum duct length when elbows are used.

MAXIMUM EXHAUST LENGTH

| Number of 90° elbows | Rigid Metal Duct | |
|----------------------|---|---|
| | VENT HOOD TYPE (preferred) | |
| |  4" (10.2 cm) |  2 1/2" (6.35 cm) |
| 0 | 60ft. (18.28 m) | 48ft. (14.63 m) |
| 1 | 52ft. (15.84 m) | 40ft. (12.19 m) |
| 2 | 44ft. (13.41 m) | 32ft. (9.75 m) |
| 3 | 32ft. (9.75 m) | 24ft. (7.31 m) |
| 4 | 28ft. (8.53 m) | 16ft. (4.87 m) |

| Number of 90° elbows | Flexible Metal Duct | |
|----------------------|--|--|
| | VENT HOOD TYPE (preferred) | |
| |  4" (10.2 cm) |  2 1/2" (6.35 cm) |
| 0 | 30ft. (9.14 m) | 18ft. (5.49 m) |
| 1 | 22ft. (6.71 m) | 14ft. (4.27 m) |
| 2 | 14ft. (4.27 m) | 10ft. (3.05 m) |

CONTROL PANEL



Timed Dry Only
with a cool down period
on all settings

CONTROL PANEL



Temperature
is selected using the
Synthetic / Cotton switch

Cotton – High Heat – Button Out
Synthetic – Low Heat – Button In

The Synthetic Light will be lit when the
button is in the Synthetic setting

CONTROL PANEL



Temperature

Low Heat is automatically selected when the *Delicate* setting is selected on the timer

CONTROL PANEL



Push to Start Switch
Select timer setting then
push to start the cycle

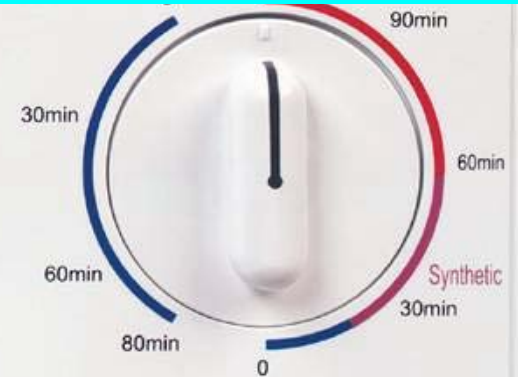
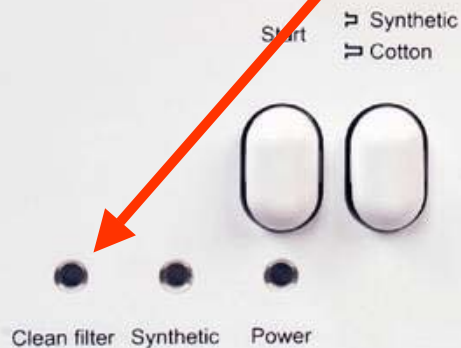
Power light will be lit

CONTROL PANEL

Clean Filter or No Heat light
(may have either designation)

This light automatically comes on in the last 8 to 10 minutes of the drying cycle, depending on the selected cycle.

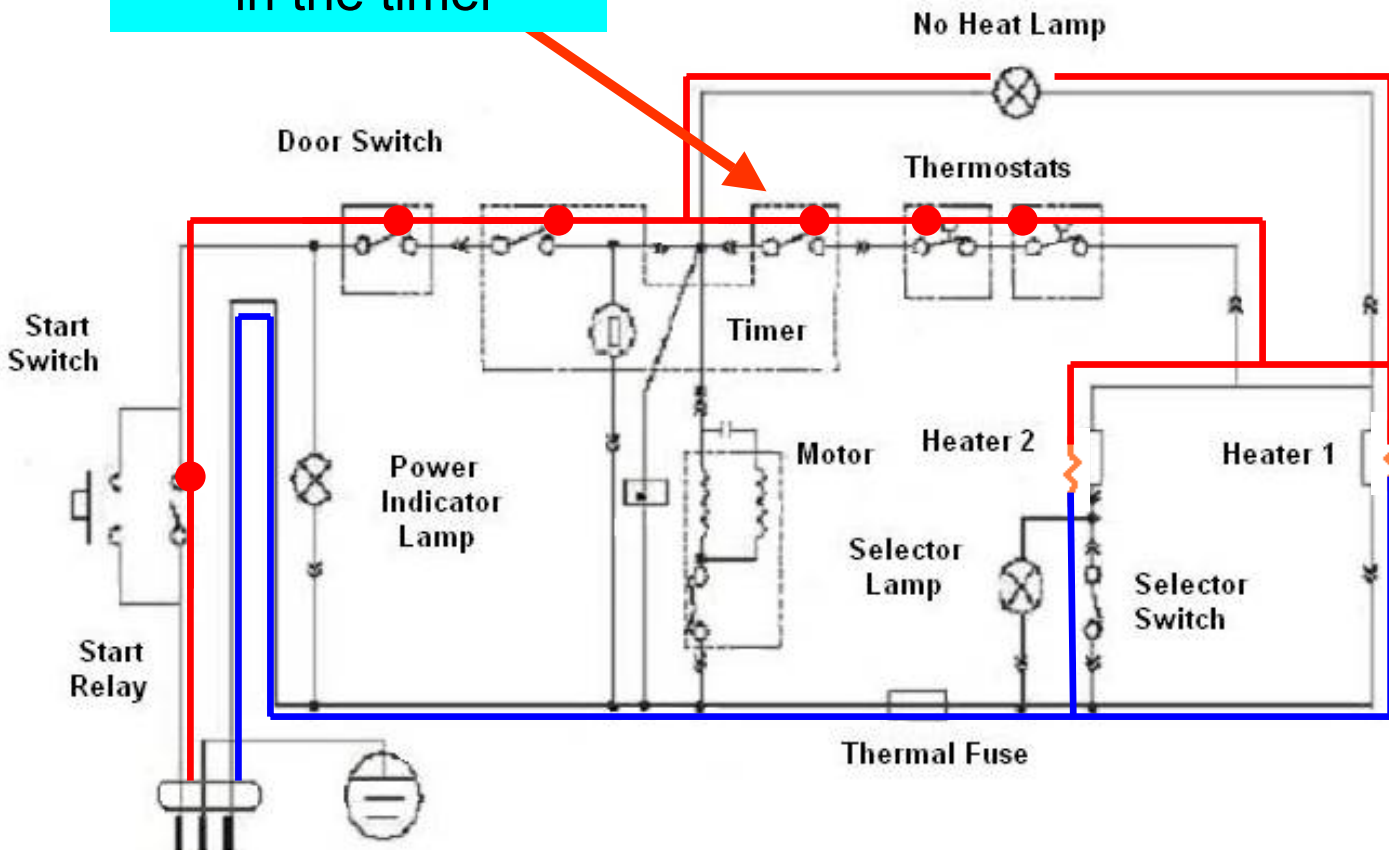
This light will also be lit when the thermostat cycles to the open position.



CONTROL PANEL

Thermostat in **CLOSED** position
(heat will be off– light will be **OFF**)

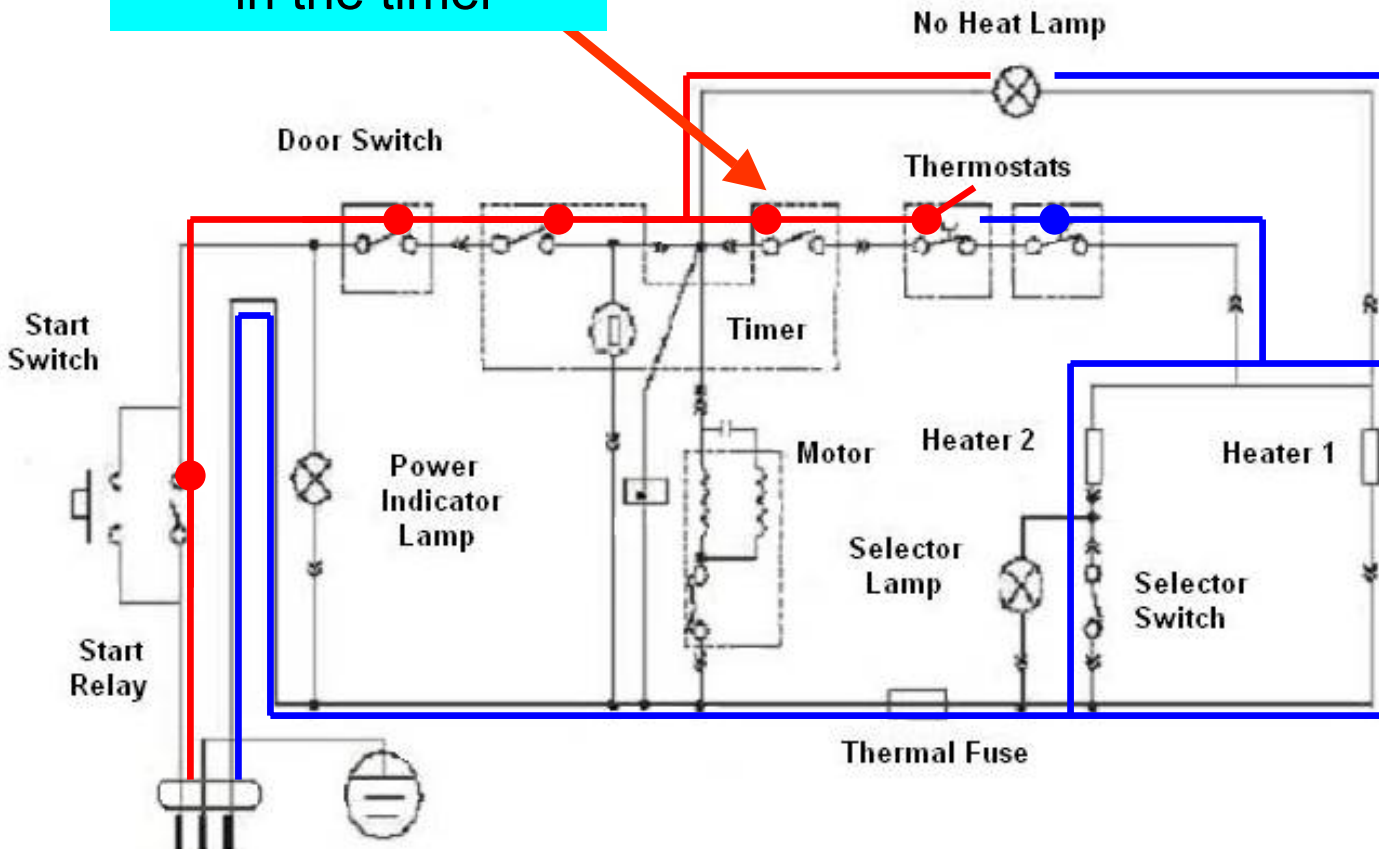
Cool down contact
in the timer



CONTROL PANEL

Thermostat in OPEN position
(heat will be off– light will be ON)

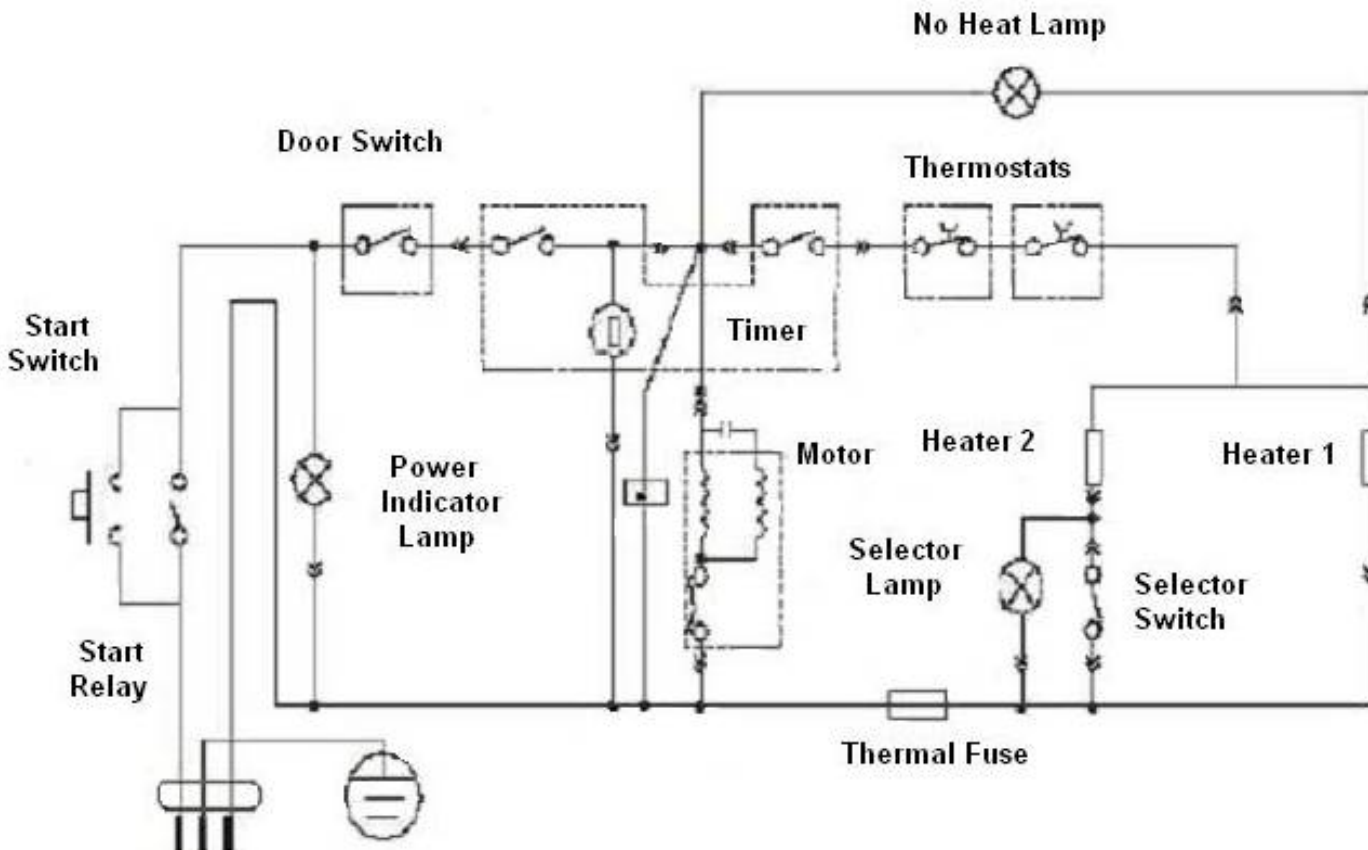
Cool down contact
in the timer



SCHEMATIC GDZ5-1 DRYER

!! CAUTION !!

Always remove power to the circuit before testing, troubleshooting or making repairs.



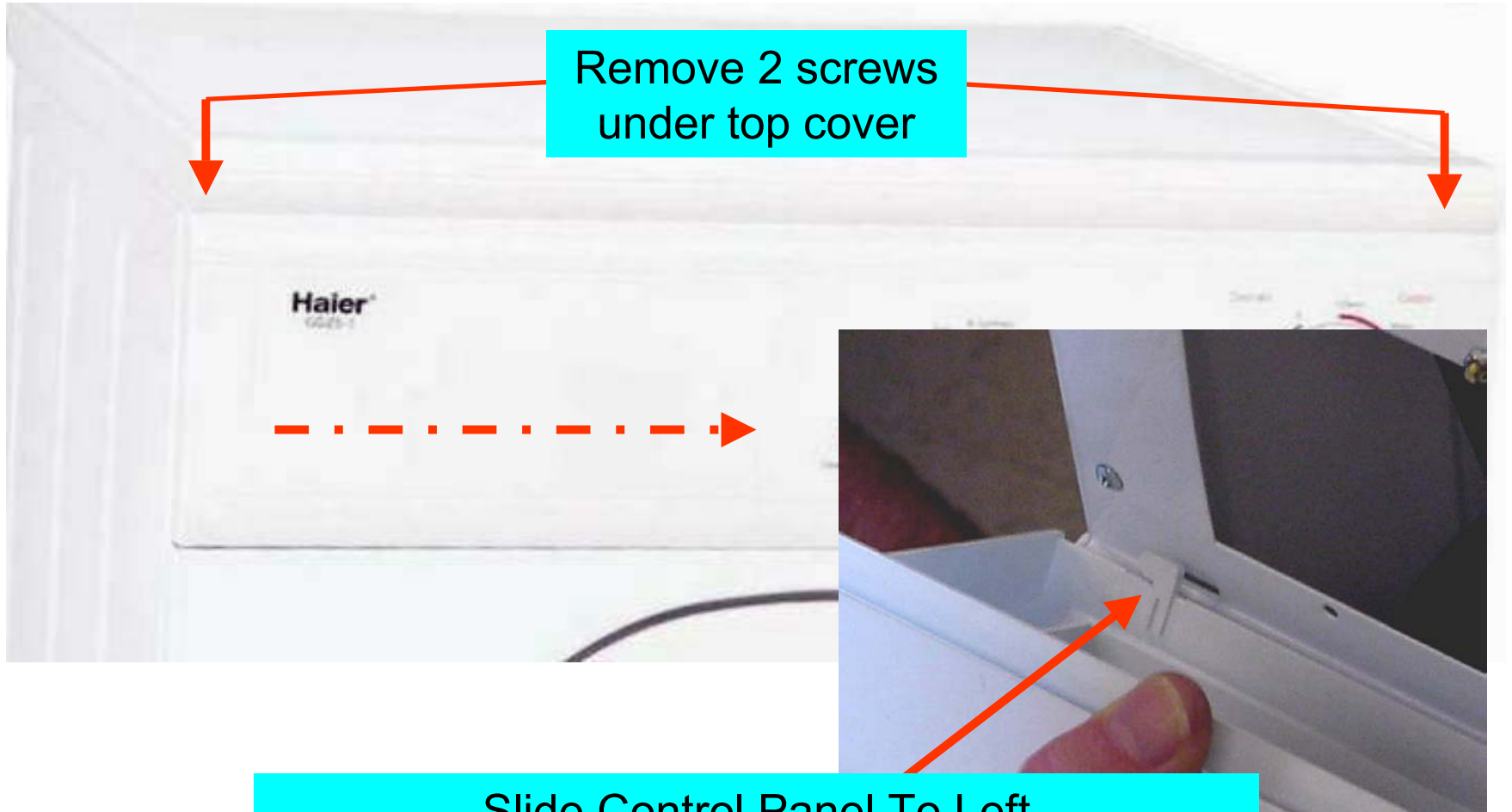
CONTROL PANEL Removal / Service

Screws

Slide back

Remove the top cover
by removing 2 vertical screws holding the cover
to the back panel
then slide the cover back

CONTROL PANEL Removal / Service

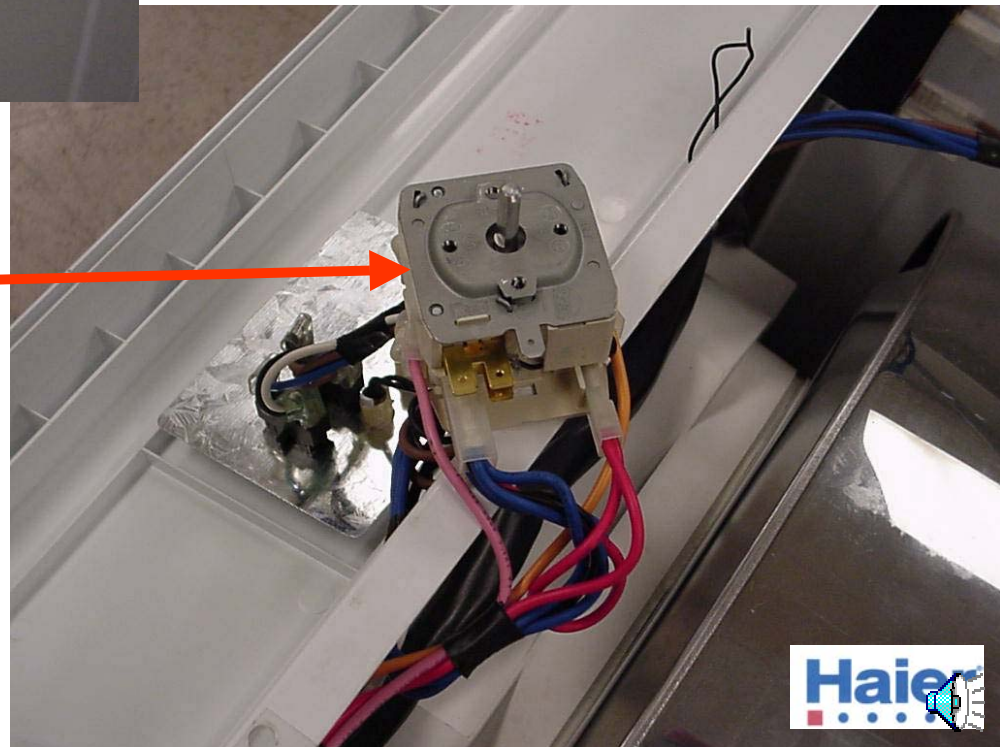


CONTROL PANEL Timer Removal



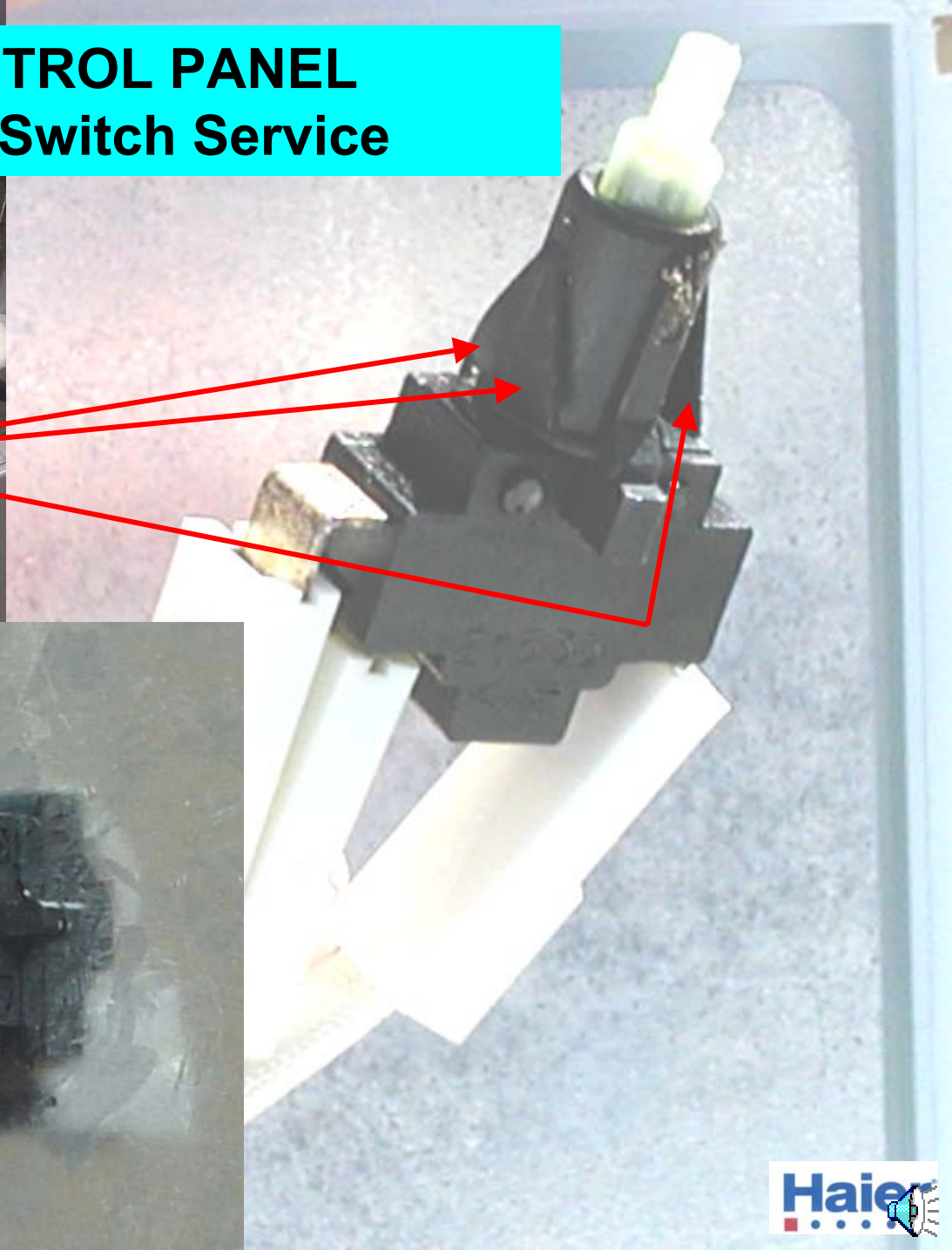
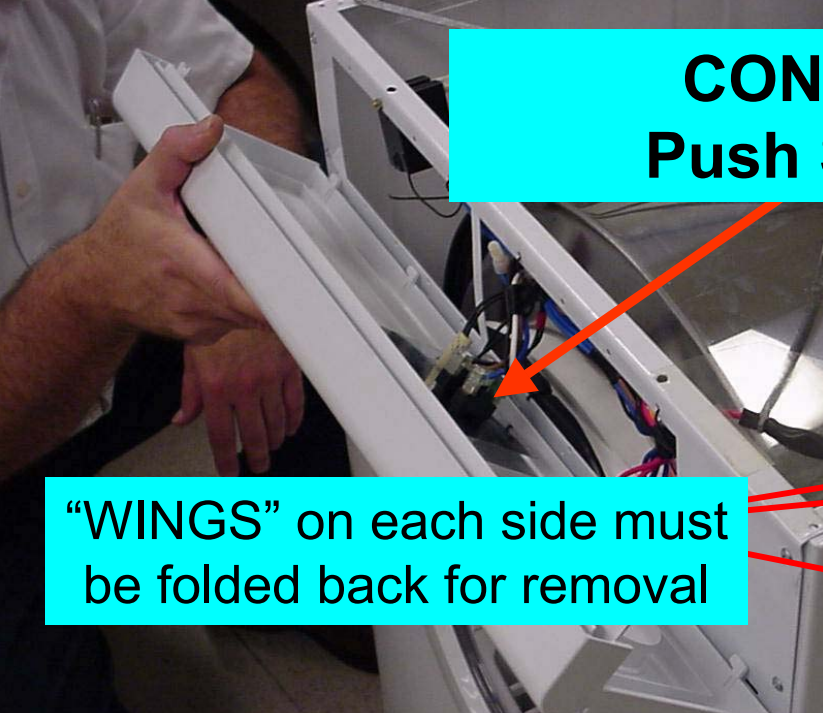
Timer Removal

Pull knob off from front and
remove 2 retaining screws



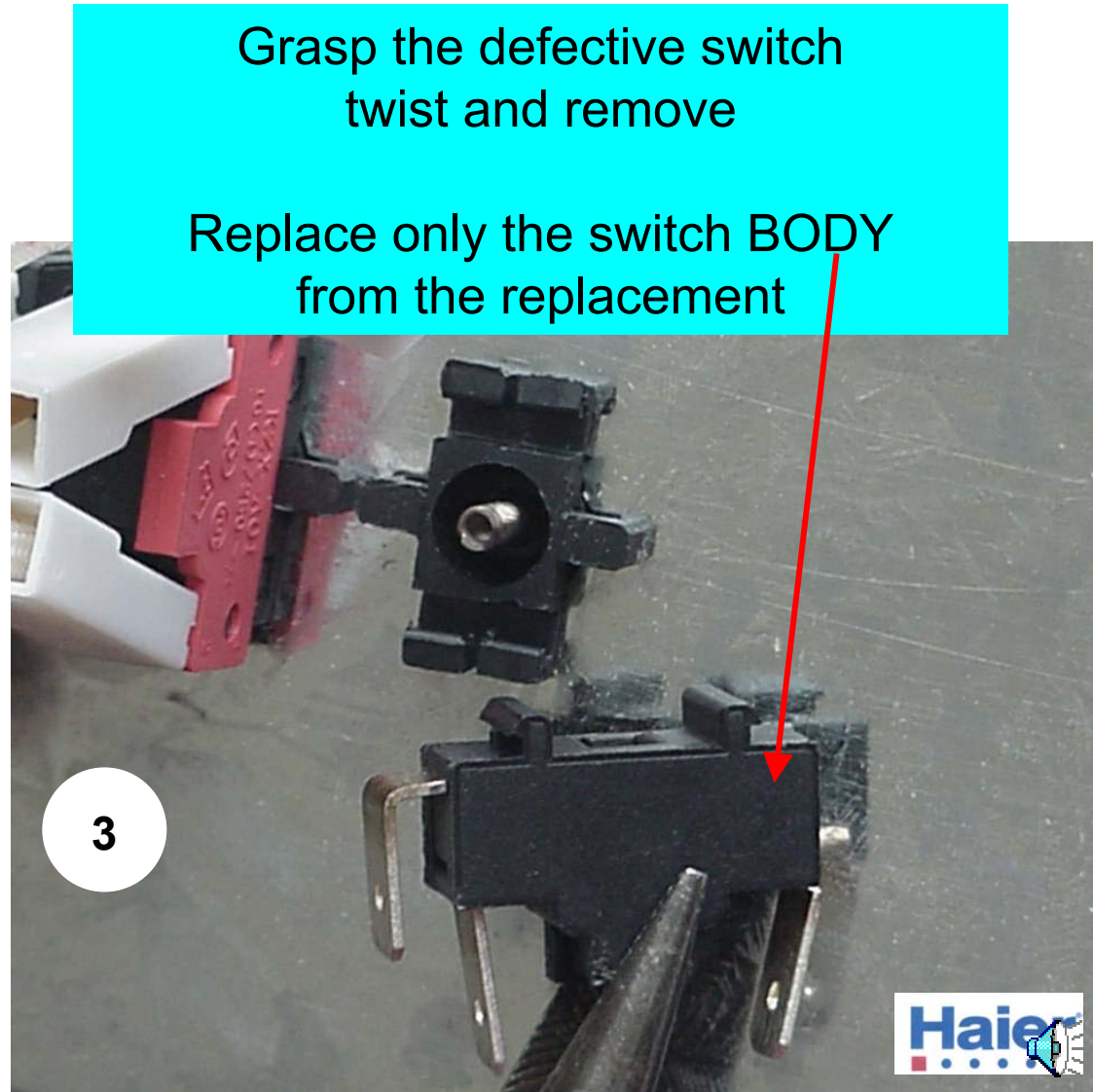
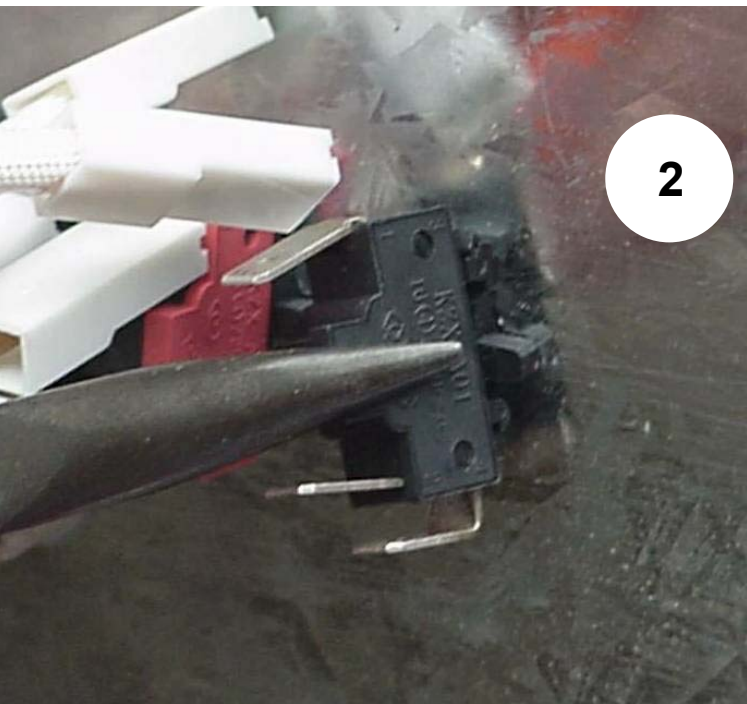
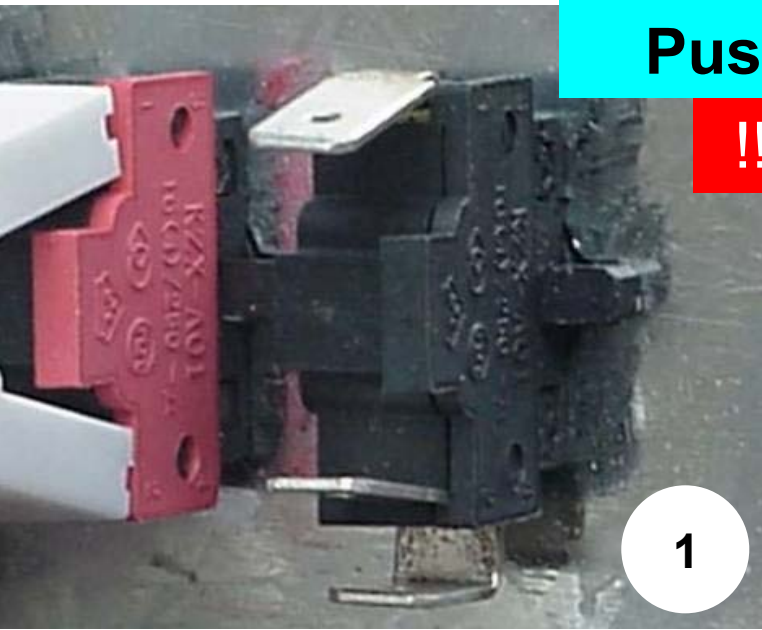
CONTROL PANEL Push Switch Service

“WINGS” on each side must be folded back for removal



CONTROL PANEL Push Switch Service

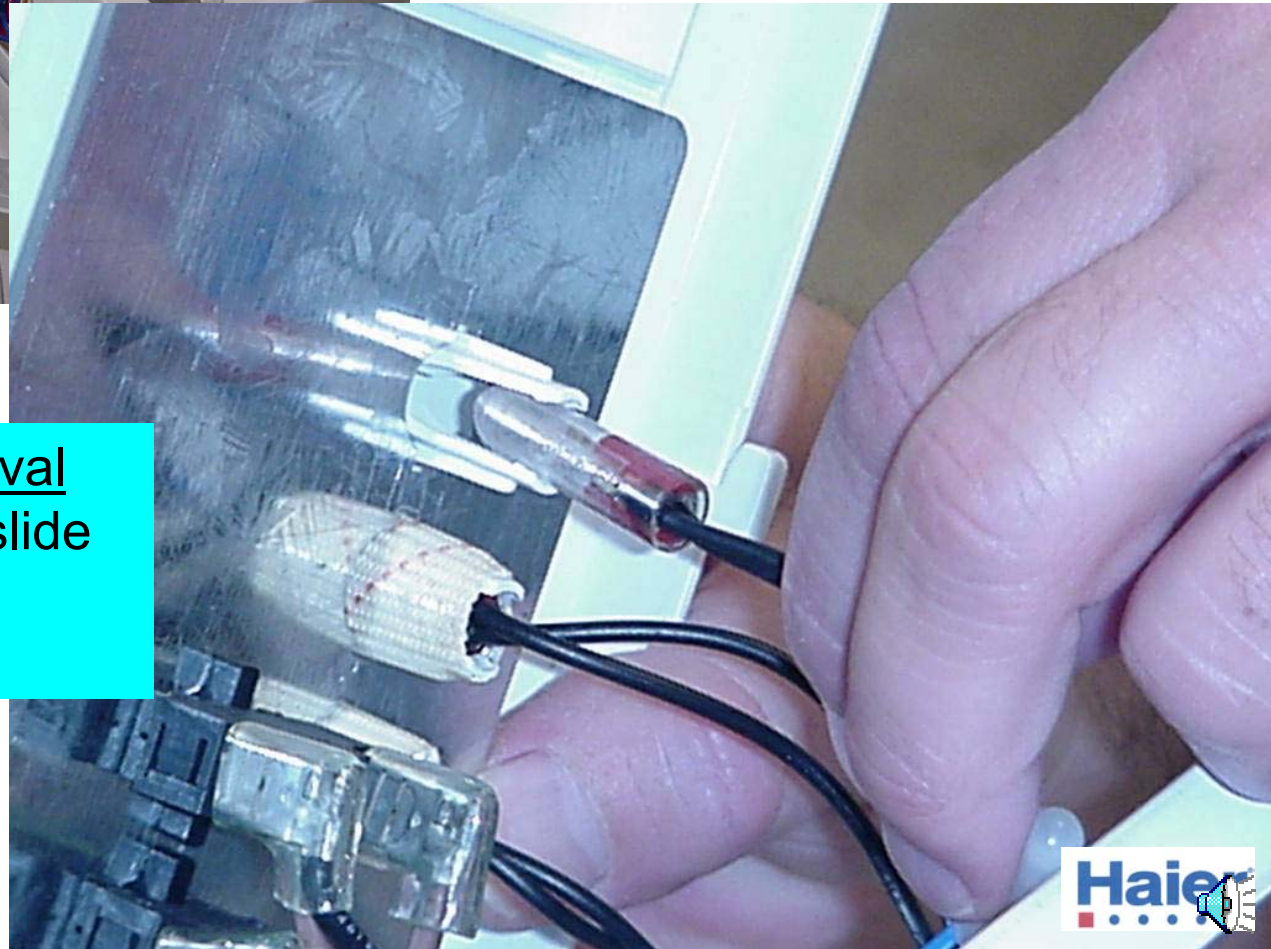
!! Service Tip !!

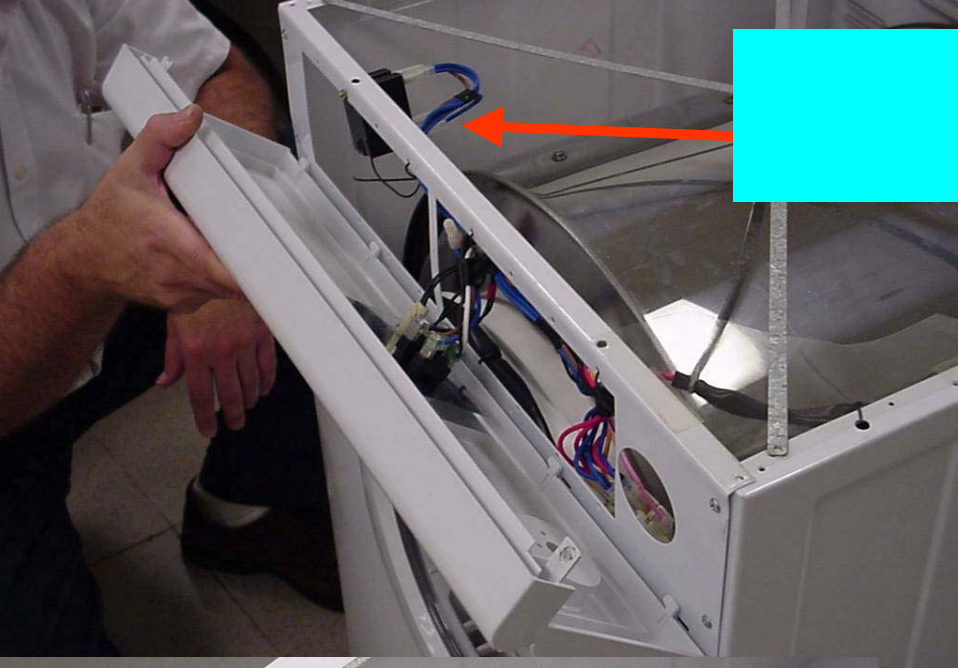


CONTROL PANEL Indicator Lamps



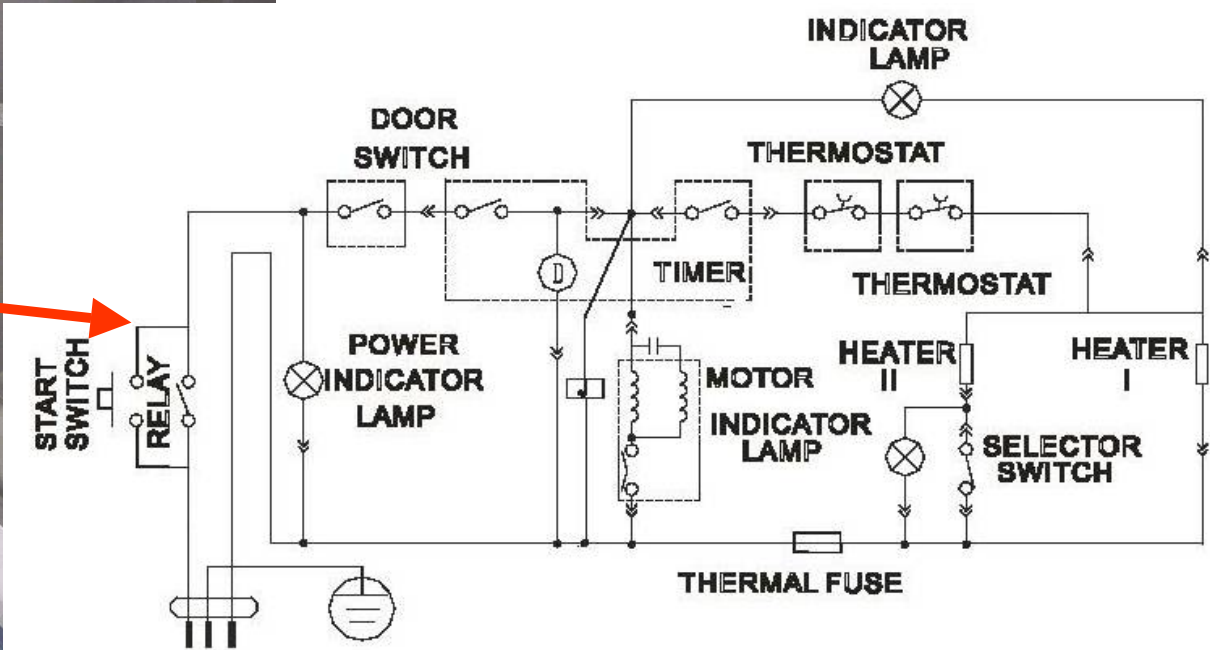
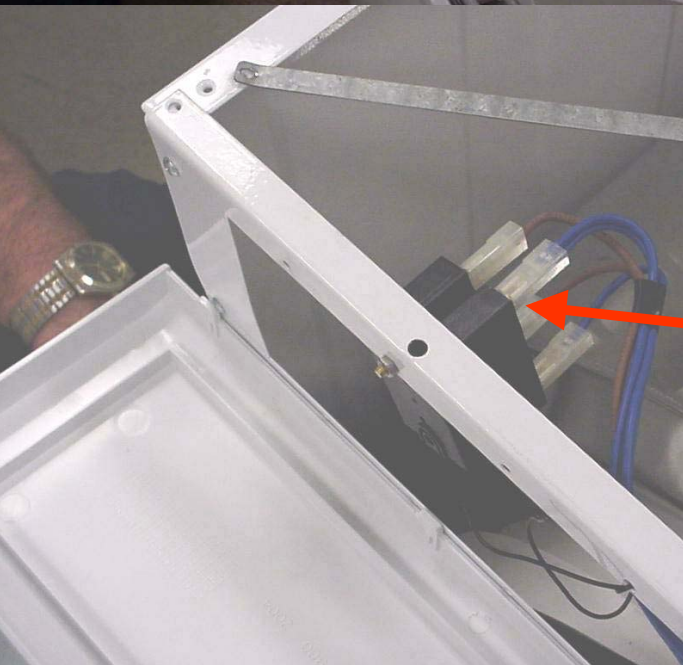
Indicator Lamp Removal
Pull sleeve back then slide
the lamp out of the
lens mount





CONTROL PANEL Power Relay

Power Relay
The control panel will need to be removed to change the power relay



BACK VIEW

Electrical Power Connection

Data Tag

Air duct for heater

Access to Motor, Idler Pulley
and Heater Electrical
Connection

Vent

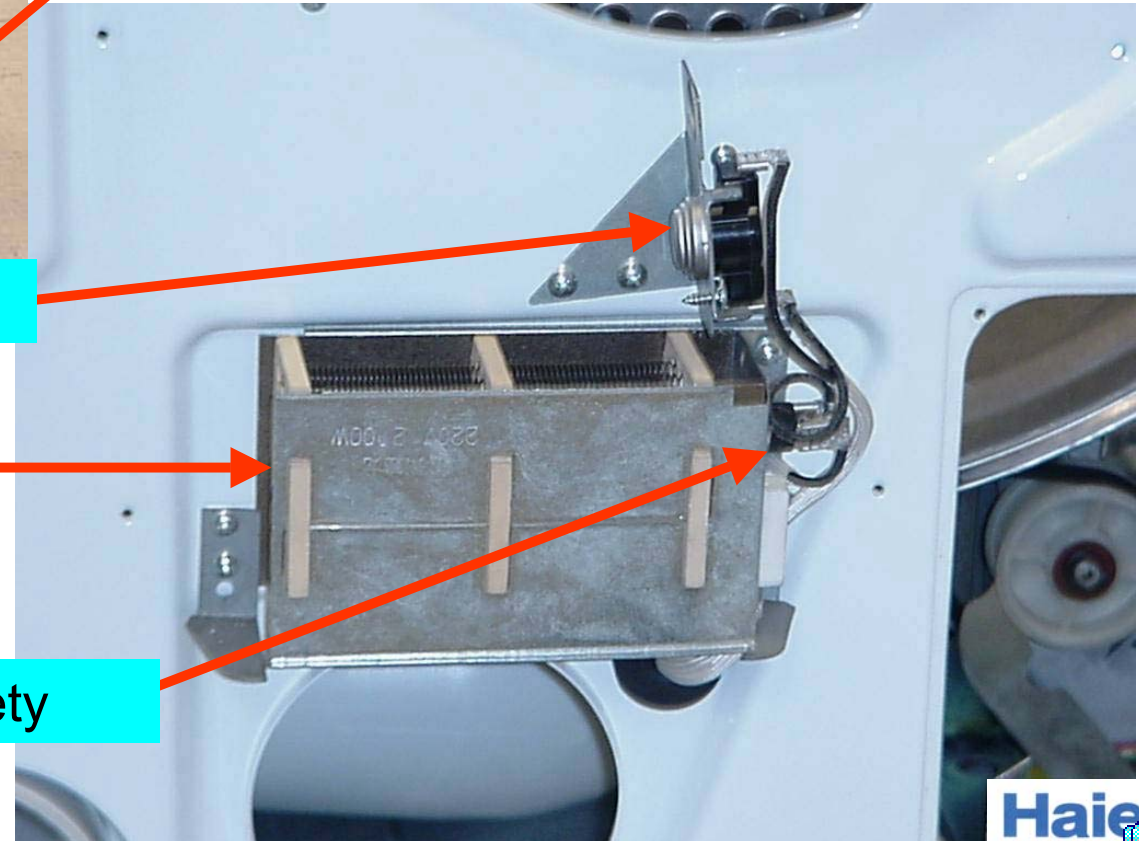
HEATER / THERMOSTATS

Remove the back plenum and access door to access the thermostats and heater.

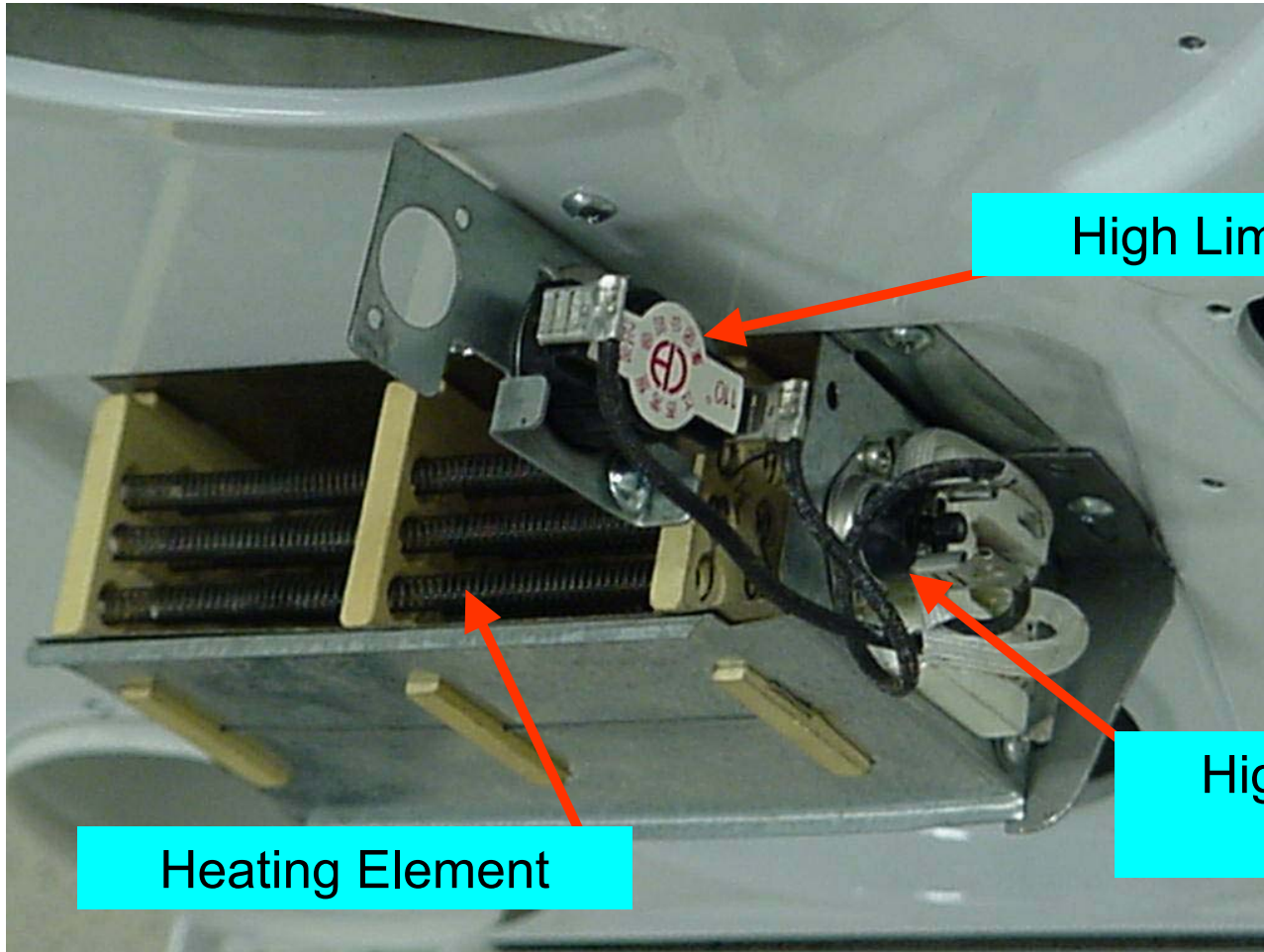
High Limit Thermostat

Heating Element

High Limit Safety



HEATER / THERMOSTATS



High Limit Thermostat

Heating Element

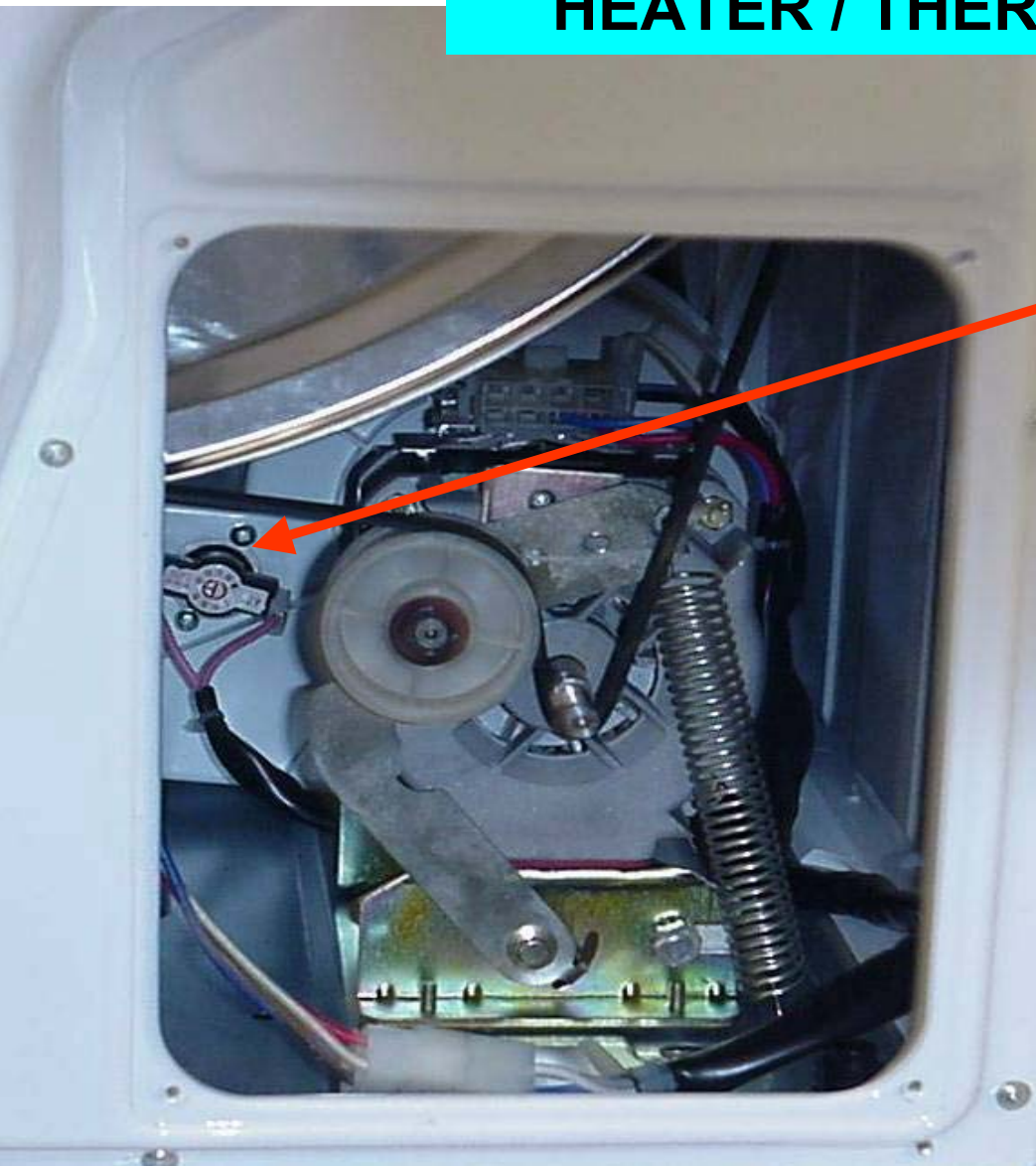
High Limit Safety
Thermostat

HEATER / THERMOSTATS

Wiring routed through hole and has rubber grommet to seal and protect wiring

Quick Disconnect for Heater

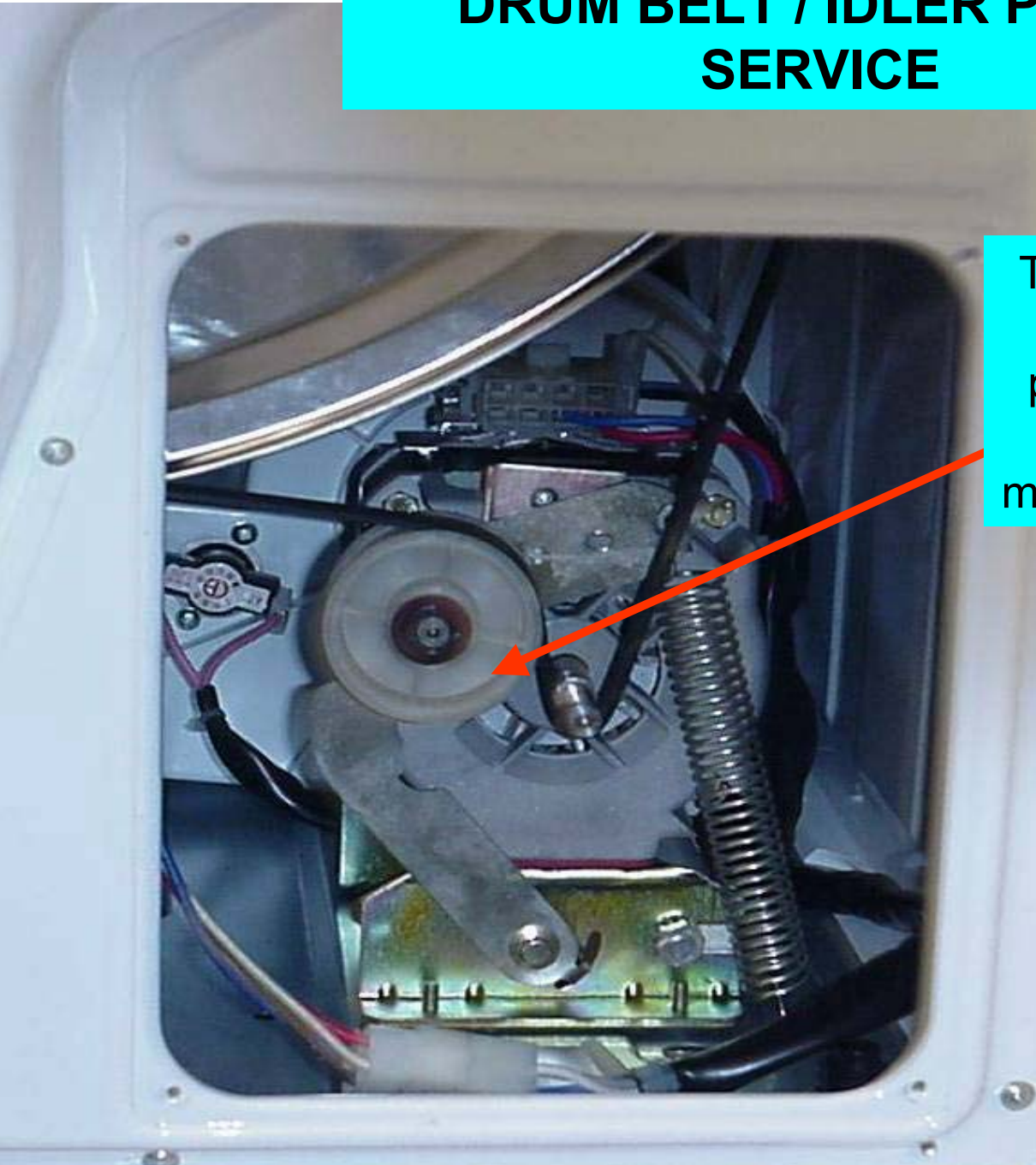
HEATER / THERMOSTATS



Cycling Thermostat is located on the air duct next to the fan. Access through motor access cover.

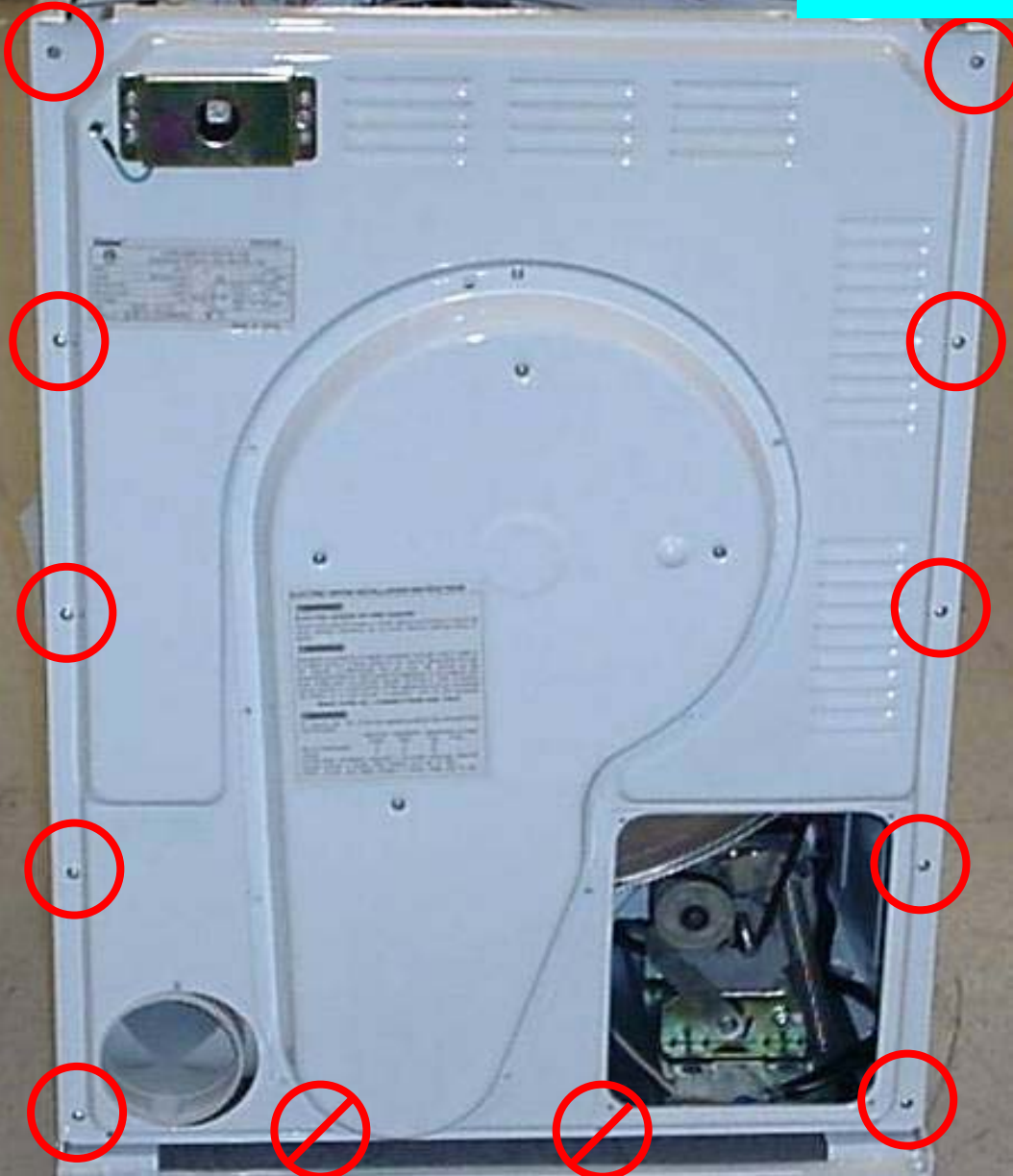


DRUM BELT / IDLER PULLEY SERVICE



The idler pulley is accessed through the rear access panel. The pulley is spring loaded. The spring is mounted in a slot in the base.

DRUM BELT / IDLER PULLY SERVICE



Belt Change

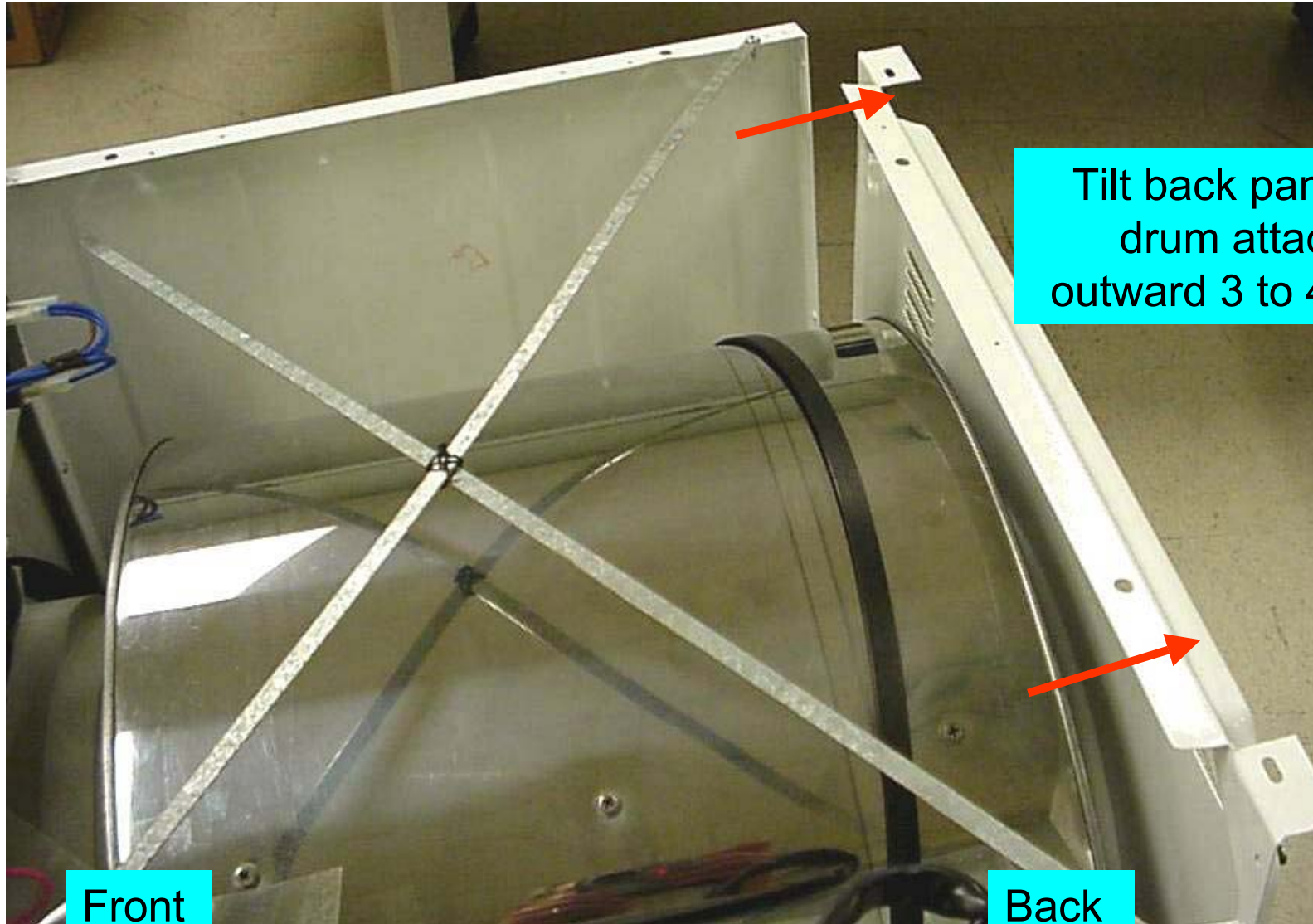
Remove the top cover and back access panel

Remove the screws holding the back to the side panel

DO NOT Remove the bottom screws

Remove the belt from the idler pulley

DRUM BELT / IDLER PULLY SERVICE



Tilt back panel with drum attached outward 3 to 4 inches

Front

Back

DRUM BELT / IDLER PULLY SERVICE

The belt can now be removed and replaced through the gap at the front of the drum.

!! CAUTION !!
Watch for sharp edges on cross braces

Front

Back

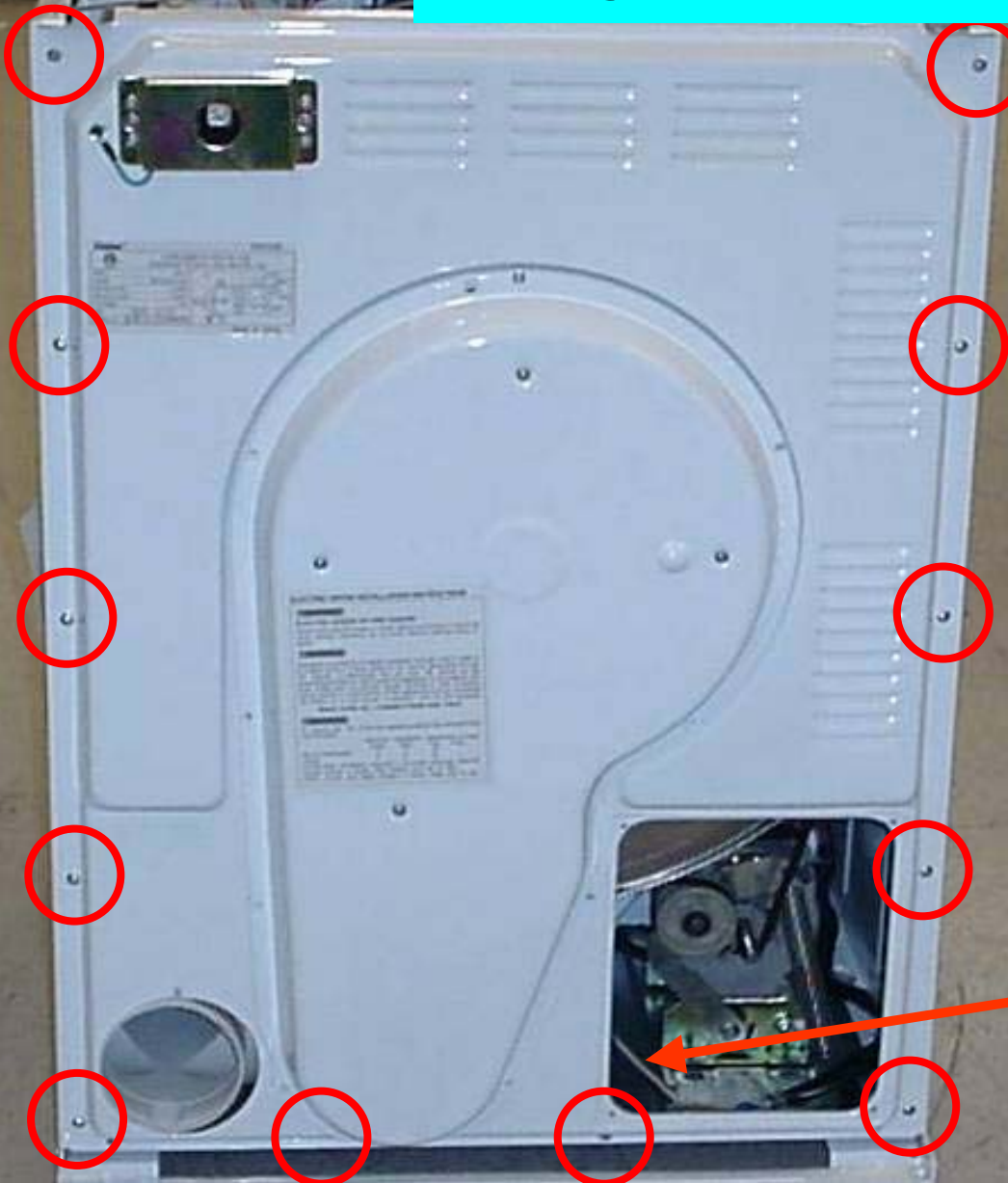
DRUM BELT / IDLER PULLY SERVICE

When replacing the drum be certain the front lip of the drum rides inside of the front glides.

Front

Back

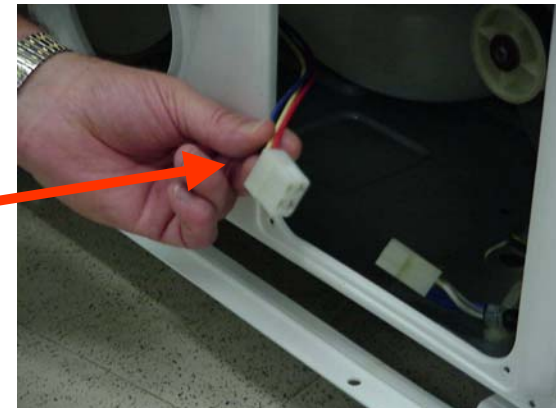
FRONT DRUM SUPPORT GLIDE REPLACEMENT



To replace the front drum support
support glides, remove all
screws holding the back
panel in place

Remove the belt from the
idler pulley

Disconnect the heater wiring
connector



FRONT DRUM SUPPORT GLIDE REPLACEMENT

The drum and back can now be lifted out as an assembly.

!! NOTE !!
The air plenum **DOES NOT** have to be removed for this procedure

FRONT DRUM SUPPORT GLIDE REPLACEMENT

You now have easy access
to the front glides, front
plenum and other
components.

FRONT DRUM SUPPORT GLIDE REPLACEMENT

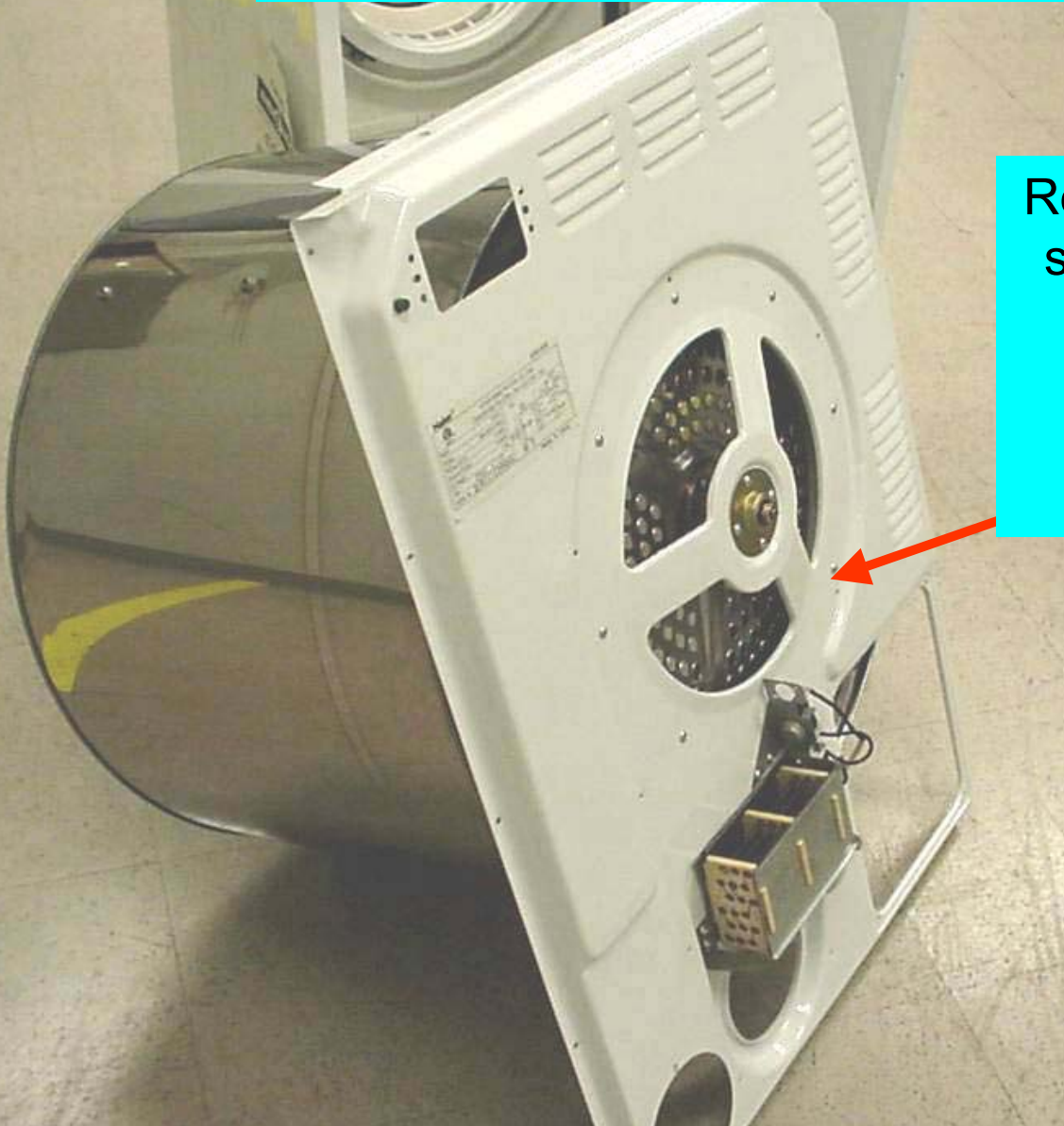
The glides are easily removed with 2 screws.

This also gives access to the felt seal.

REAR DRUM BEARING REPLACEMENT

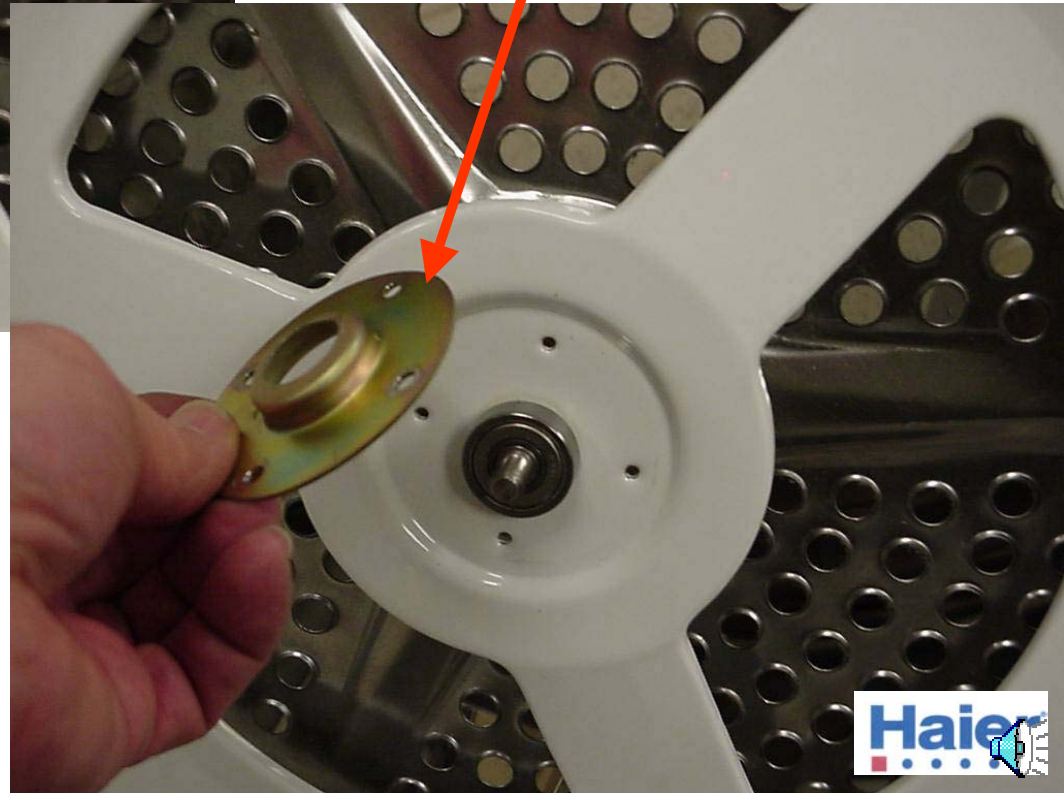
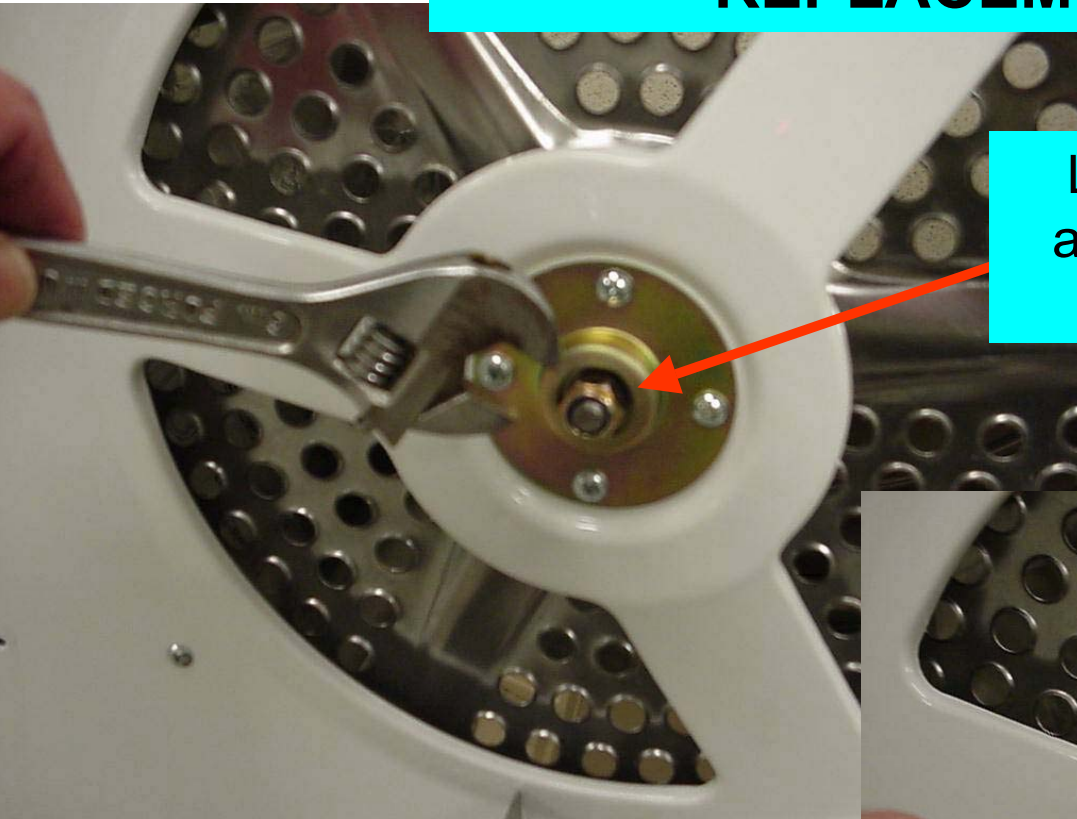
Remove the back panel as shown in an earlier slide.

Remove the rear air plenum exposing the heater and bearing.



REAR DRUM BEARING REPLACEMENT

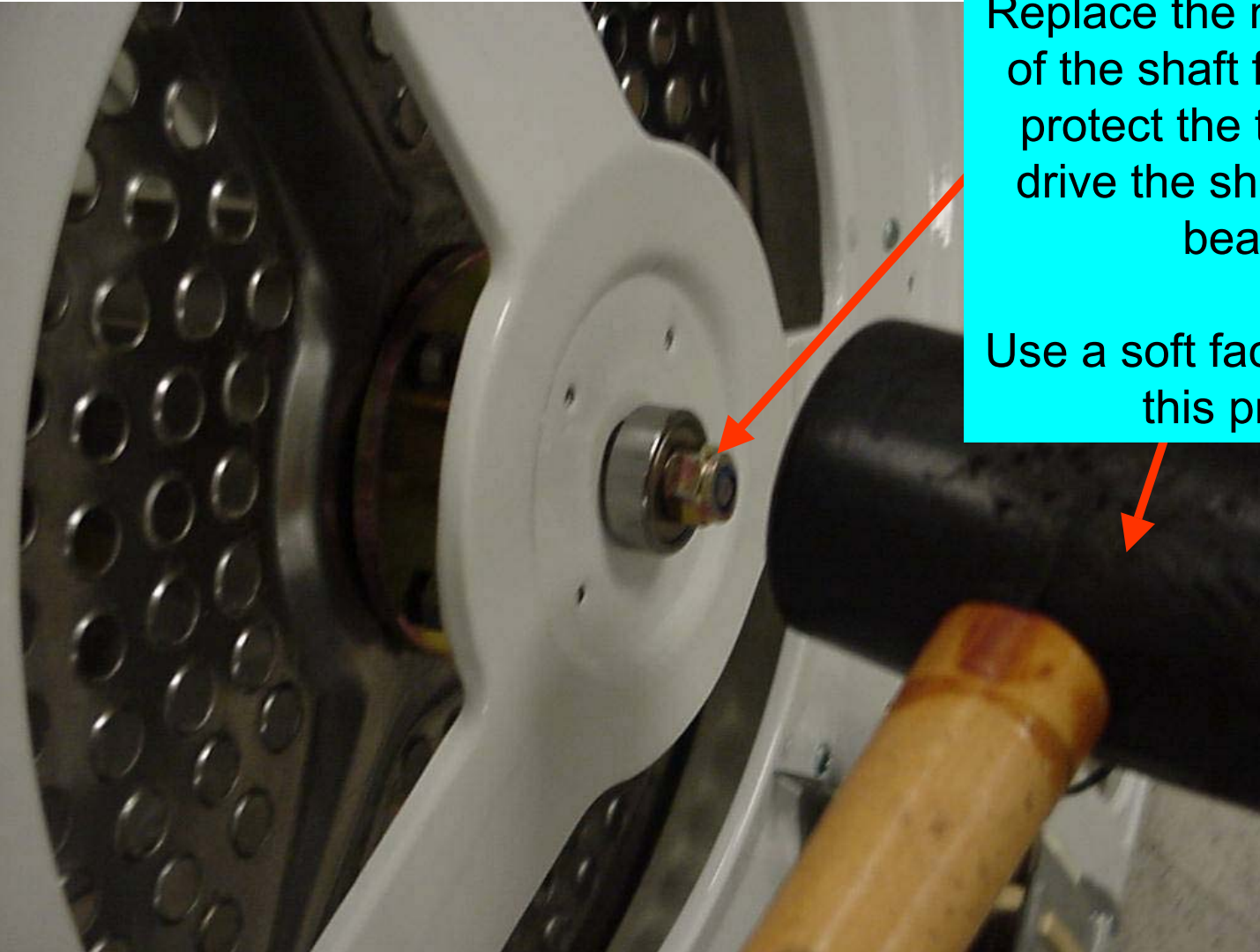
Loosen the locking nut and remove the bearing retainer cap



REAR DRUM BEARING REPLACEMENT

Replace the nut on the end of the shaft far enough to protect the threads then drive the shaft out of the bearing.

Use a soft face hammer for this process



REAR DRUM BEARING REPLACEMENT

The shaft and bearing are both replaceable and purchased separately



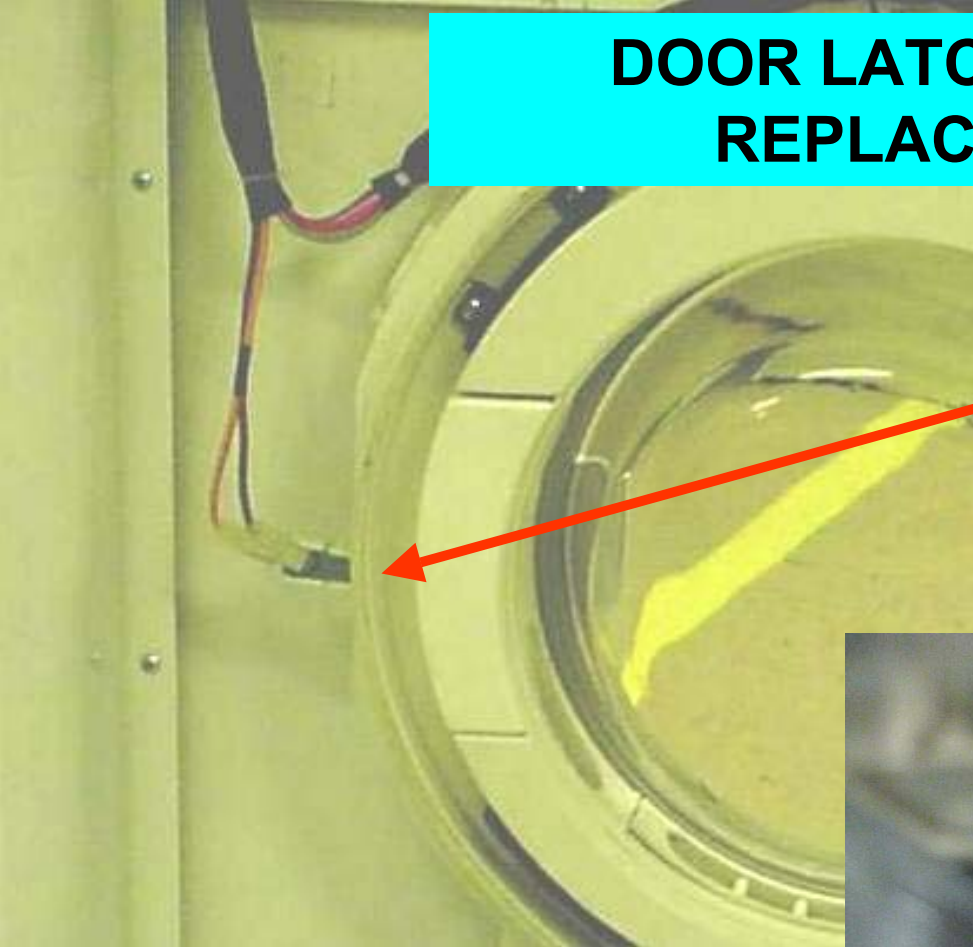
REAR DRUM BEARING REPLACEMENT



Install the new bearing using a nut and washer to pull the bearing into place. The bearing will bottom against a shoulder on the shaft.

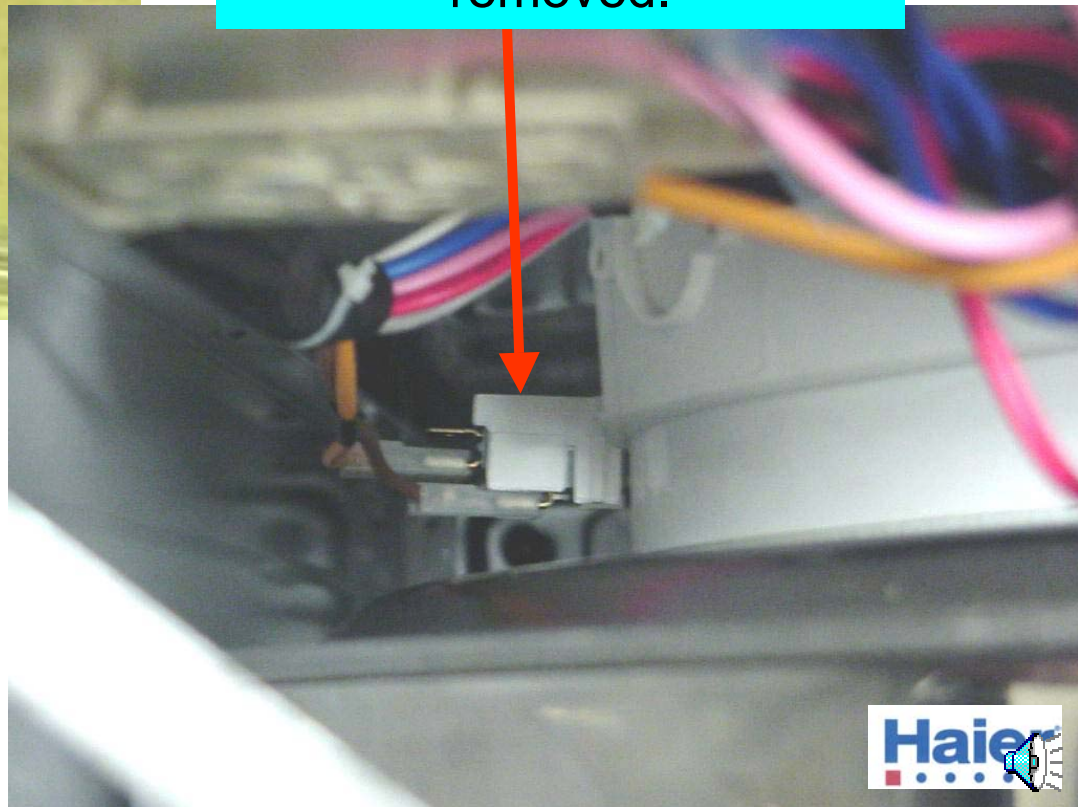


DOOR LATCH SWITCH REPLACEMENT

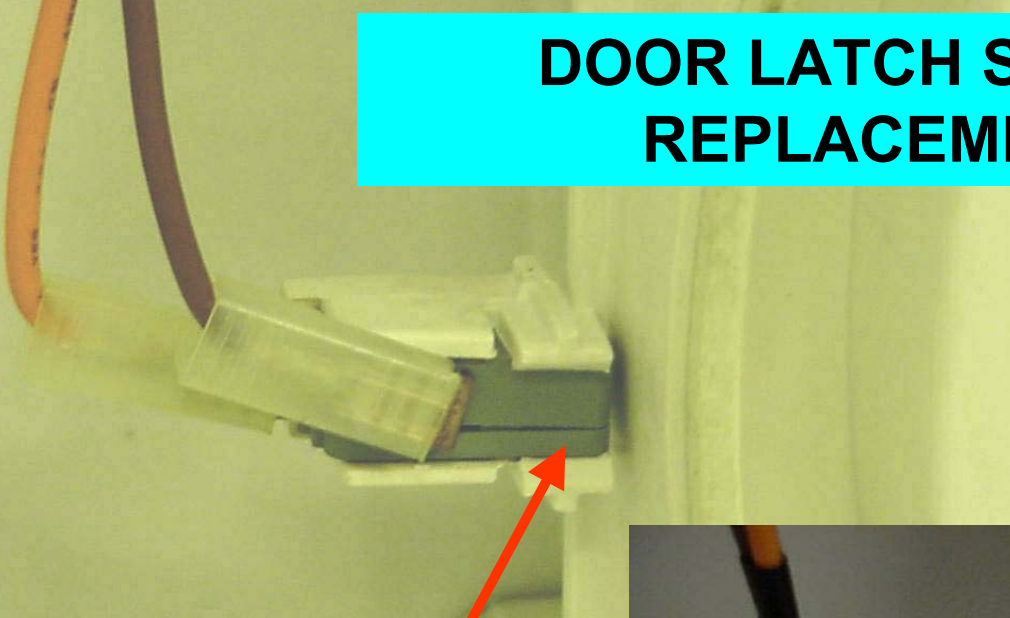


The door latch switch can be serviced in many ways.

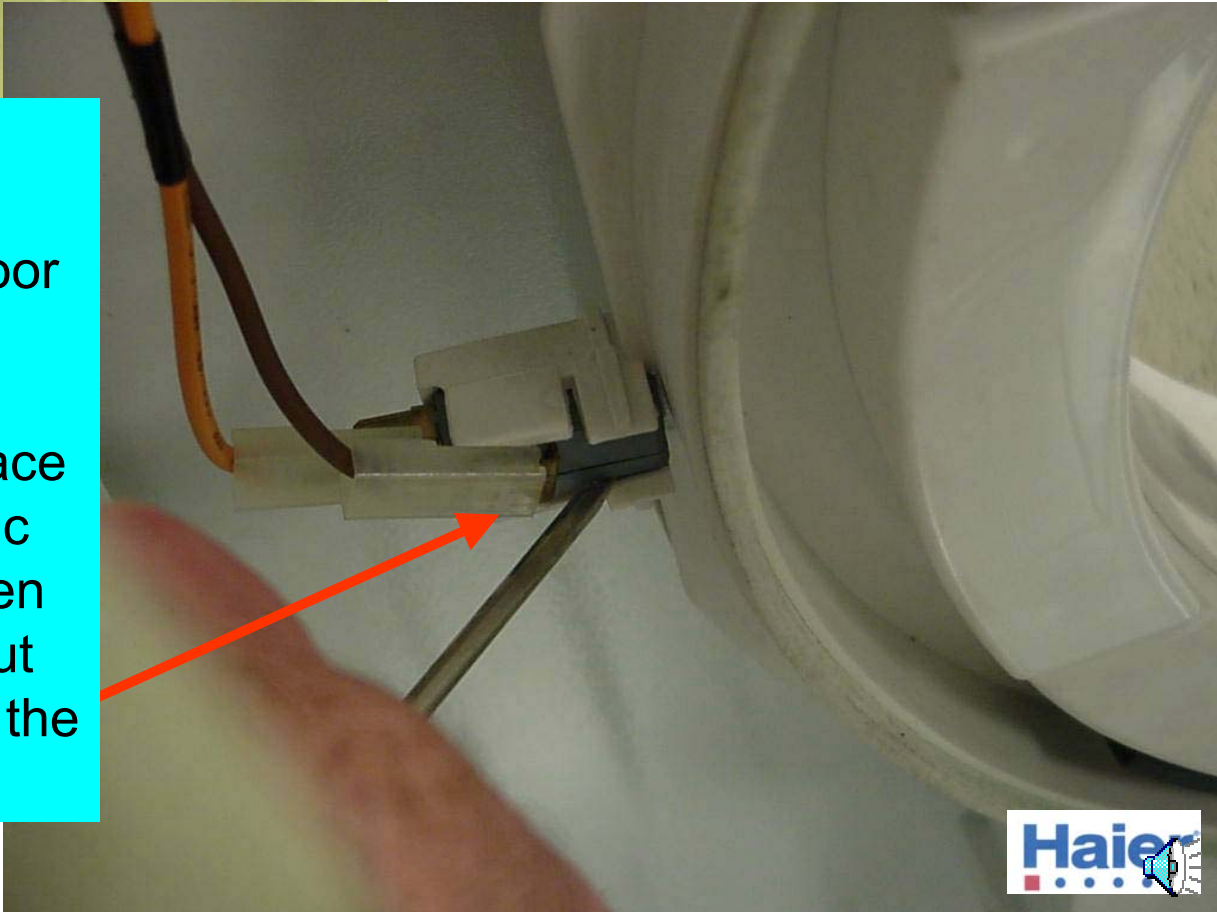
The view below shows the switch with only the top removed.



DOOR LATCH SWITCH REPLACEMENT



The door latch is
NORMALLY OPEN
and closes when the door
is closed



The switch is held in place
with a C shaped plastic
retainer. Use care when
snapping the switch out
that you do not damage the
retainer bracket.

BLOWER AND MOTOR SERVICE

The blower and motor is easiest serviced by removing the base pan of the dryer.

BLOWER AND MOTOR SERVICE

- To access the motor and blower
(easiest)
- 1 – Remove the belt from the idler pulley
 - 2 - Lay the dryer on it's left side
 - 3 - Remove the screws from around the perimeter of the base pan
- Be careful as you remove the last screws. The weight of the motor is resting on this pan.

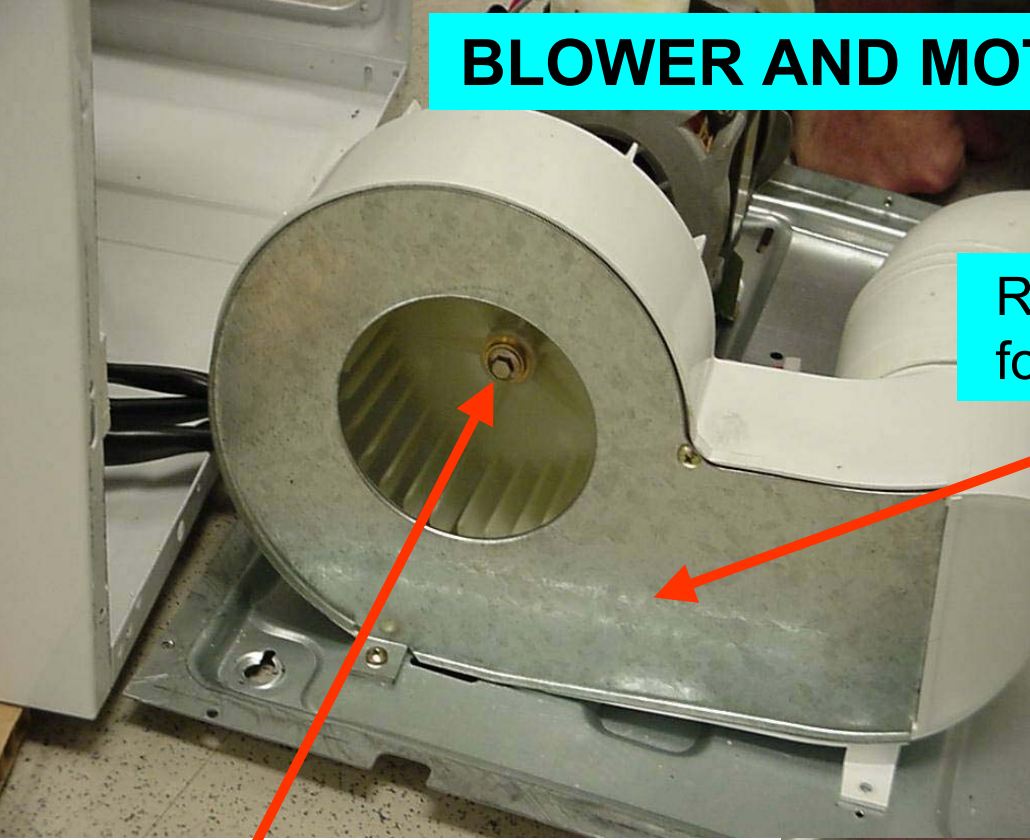
BLOWER AND MOTOR SERVICE

The motor and blower can now be accessed for easy service



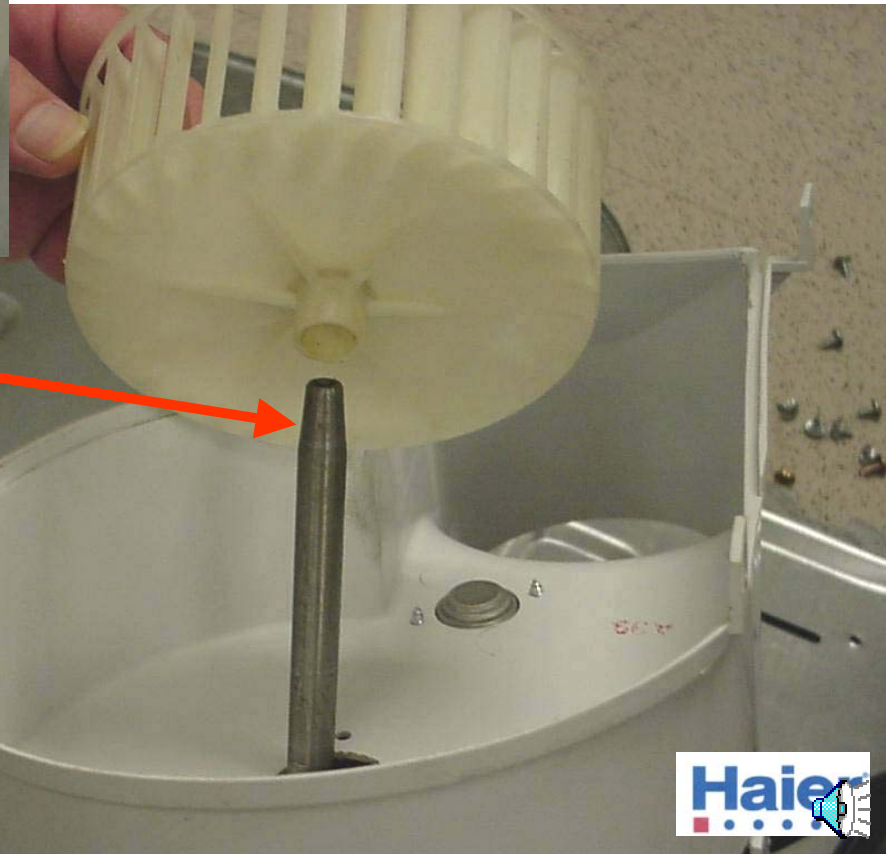
BLOWER AND MOTOR SERVICE

Remove screws and cover for access to blower wheel



Remove the cap screw to remove the blower wheel from the tapered shaft.

Reattach firmly to prevent wheel from slipping on shaft.



BLOWER AND MOTOR SERVICE

!! NOTE !!

To prevent lint build-up in the base be certain the metal edge of the blower cover is behind the plastic duct .



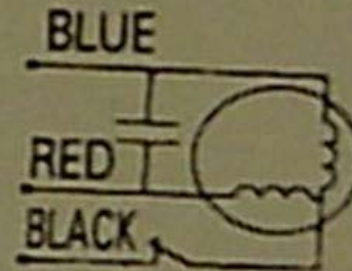
BLOWER AND MOTOR SERVICE

XD-HD150A 230V 60Hz 3000 rpm

150W 1.9A CL.F

10 μ F/450V No. *d/c 11.20*

ZHANG QIU HAIER MOTOR CO.,LTD.



Motor is a single direction 230v capacitor start motor.

Black to Red – Start Windings
Black to Blue – Run Windings

BLOWER AND MOTOR SERVICE

Motor quick disconnect

ZD-H0156A 250V 50Hz 3000rpm
150W 1.8A CLF
10μF/450V No. of 11, 2011
ZHUANG QIU HAIER MOTOR CO., LTD

Start Capacitor

Note
bolt and nut holding
idler in place

THANK YOU



www.haieramericasupport.com

