TECHNICAL MANUAL

Maytag® 7.4 cu ft Commercial Grade Residential Dryer

W11663478 Rev A

FOREWORD

This Technical Manual W11663478 Rev A provides the In-Home Service Professional with service information of the “Maytag® 7.4 cu ft Commercial Grade Residential Dryer” for specific operating information on the model being serviced, refer to the “Quick Start Guide” and “Owner's Manual” provided with the front load dryer.

Any portion of the wiring diagram used in this Technical Manual is typical and should be used for training purposes only. Always use the Wiring Diagram supplied with the product Tech Sheet when servicing the front load dryer.

For specific operating and installation information on the model being serviced, refer to the literature provided with the front load dryer.

GOALS AND OBJECTIVES

This Technical Manual provides information that will enable the In-Home Service Professional to properly diagnose malfunctions and repair the “Maytag® 7.4 cu ft Commercial Grade Residential Dryer.”

The objectives of this Technical Manual are to:

- Understand and follow proper safety precautions.
- Successfully troubleshoot and diagnose malfunctions.
- Successfully perform necessary repairs.
- Successfully return the front load dryer to its proper operational status.

WHIRLPOOL CORPORATION assumes no responsibility for any repairs made on our products by anyone other than authorized In-Home Service Professionals.

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Maytag® 7.4 cu ft Commercial Grade Residential Dryer

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Section 1: General Information

This section provides general safety, parts, and information for the “Maytag® 7.4 cu ft Commercial Grade Residential Dryer.”

- Safety
- Product Specifications
- Product Features
  - Control Panel
- Model Number Nomenclature
- Model Number and Serial Number Location
- Tech Sheet Location

Safety

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance. Always read and obey all safety messages.

This is the safety alert symbol.

This symbol alerts you to potential hazards that can kill or hurt you and others.

All safety messages will follow the safety alert symbol and either the word “DANGER” or “WARNING.” These words mean:

⚠DANGER — **You can be killed or seriously injured if you don't immediately follow instructions.**

⚠WARNING — **You can be killed or seriously injured if you don't follow instructions.**

All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what can happen if the instructions are not followed.

WARNING - “Risk of Fire”

- **Clothes dryer installation must be performed by a qualified installer.**
- **Install the clothes dryer according to the manufacturer’s instructions and local codes.**
- **Do not install a clothes dryer with flexible plastic venting materials or flexible metal (foil type) duct. If flexible metal duct is installed, it must be of a specific type identified by the appliance manufacturer as suitable for use with clothes dryers. Flexible venting materials are known to collapse, be easily crushed, and trap lint. These conditions will obstruct clothes dryer airflow and increase the risk of fire.**
- **To reduce the risk of severe injury or death, follow all installation instructions.**
- **Save these instructions.**

IMPORTANT SAFETY INSTRUCTIONS

WARNING: To reduce the risk of fire, electric shock, or injury to persons when using the dryer, follow basic precautions, including the following:

- Read all instructions before using the dryer.
- Do not place items exposed to cooking oils in your dryer. Items contaminated with cooking oils may contribute to a chemical reaction that could cause a load to catch fire.
- Do not dry articles that have been previously cleaned in, washed in, soaked in, or spotted with gasoline, dry-cleaning solvents, other flammable, or explosive substances as they give off vapors that could ignite or explode.
- To reduce the risk of fire due to contaminated loads, the final part of a tumble dryer cycle occurs without heat (cool down period). Avoid stopping a tumble dryer before the end of the drying cycle unless all items are quickly removed and spread out so that the heat is dissipated.
- Do not allow children to play on or in the dryer. Close supervision of children is necessary when the dryer is used near children.
- Before the dryer is removed from service or discarded, remove the doors to the dryer compartment.
- Do not reach into the dryer if the drum is moving.
- Do not install or store the dryer where it will be exposed to the weather.
- Do not tamper with controls.
- Do not repair or replace any part of the dryer or attempt any servicing unless specifically recommended in this Use and Care Guide or in published user-repair instructions that you understand and have the skills to carry out.
- Do not use fabric softeners or products to eliminate static unless recommended by the manufacturer of the fabric softener or product.
- Do not use heat to dry articles containing foam rubber or similarly textured rubber-like materials.
- Clean lint screen before or after each load.
- Keep area around the exhaust opening and adjacent surrounding areas free from the accumulation of lint, dust, and dirt.
- The interior of the dryer and exhaust vent should be cleaned periodically by qualified service personnel.
- See “Electrical Requirements” located in the installation instructions for grounding instructions.
- **WARNING:** Risk of Fire. Do not install a booster fan in the exhaust duct.
  NOTE: The booster fan warning does not apply to clothes dryers intended to be installed in a multiple clothes dryer system, with an engineered exhaust duct system that is installed per the clothes dryer manufacturer's guidelines.
- The back of the dryer shall be installed against a wall. Refer to the minimum installation dimensions/clearances in the diagrams.

SAVE THESE INSTRUCTIONS

⚠ WARNING:

FIRE OR EXPLOSION HAZARD

Failure to follow safety warnings exactly could result in serious injury, death or property damage.

– Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

– WHAT TO DO IF YOU SMELL GAS:

- **Do not try to light any appliance.**
- **Do not touch any electrical switch; do not use any phone in your building.**
- **Clear the room, building, or area of all occupants.**
- **Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.**
- **If you cannot reach your gas supplier, call the fire department.**

– Installation and service must be performed by a qualified installer, service agency, or the gas supplier.

WARNING: Gas leaks cannot always be detected by smell.

Gas suppliers recommend that you use a gas detector approved by UL or CSA.

For more information, contact your gas supplier.

If a gas leak is detected, follow the “What to do if you smell gas” instructions.

1.

Product Specifications

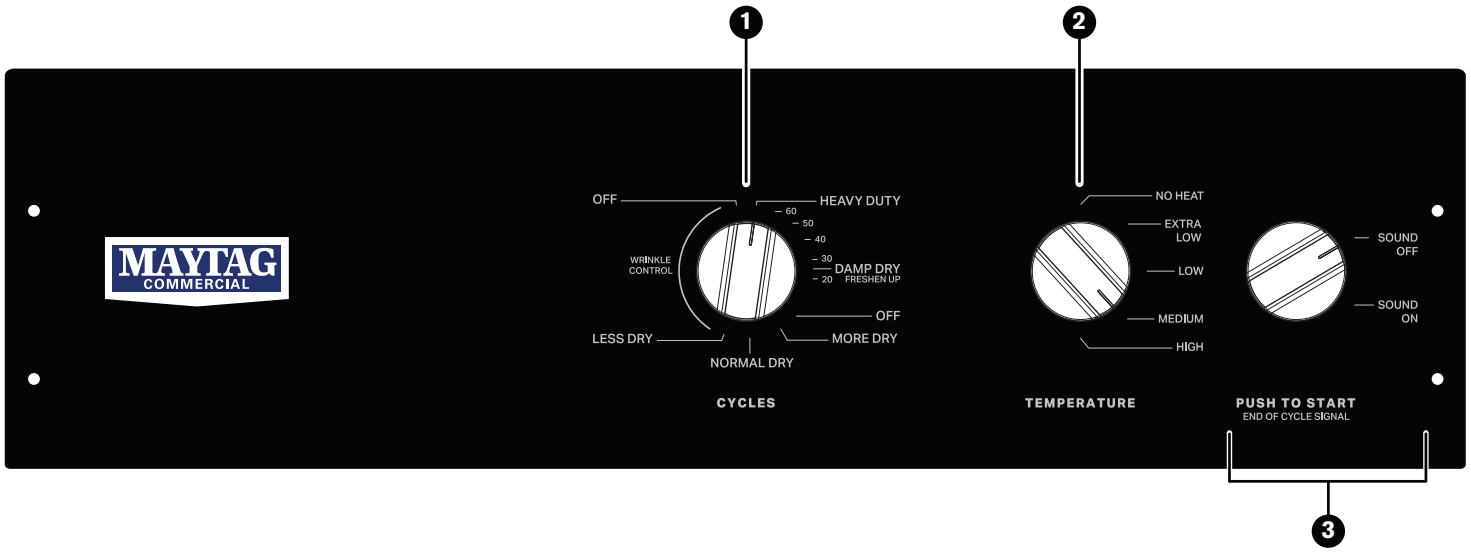
Maytag® 7.4 cu ft Commercial Grade Residential Dryer

Dimensions	
Capacity (FT3, cu ft)	7.4
Depth With Door Open 90 Degree (IN, inches)	53
Depth (IN, inches)	29¼
Door Opening Height (IN, inches)	12
Door Opening Width (IN, inches)	20¼
Height (IN, inches)	42½
Maximum Height (IN, inches)	43¼
Minimum Height (IN, inches)	42
Width (IN, inches)	27
Description	
Fuel Type	Gas or Electric
Exterior	
Door Opening	Right
Reversible Door	Yes
Window	Yes
Controls	
Control Type	Dials
End of Cycle Signal	Yes
Control Location	Rear Panel
Details	
4 Way Venting	Yes
Air Flow (cfm)	190
Cylinder Depth (IN, inches)	25
Cylinder Diameter (IN, inches)	25½
Cylinder Volume (cu ft)	7.4
Door Opening Angle	180°
Drum Material	Powder Coat
Drum Speed (RPM)	45
Electronic Burner Ignition	Yes
Exhaust Diameter (IN, inches)	4
Exhaust Duct Diameter (IN, inches)	4
Gas Inlet Size	3/8 N.P.T.
Heating Elements (watts)	5400 (For Electric Dryer)
Heating Burner (BTU)	22000 (For Gas Dryer)
Hoses Included	No
Interior Light	Yes
Lint Screen Location	Front
Maytag Commercial Components	Yes
Motor Horsepower (hp)	1/3
Mount Type	Rigid
Weight Load Capacity	18 lbs

Features	
Automatic Dry Control	Yes
LP Convertible	Yes
Moisture Sensor	Yes
Pedestal Options	No
Sound Package	No
Cycles	
Number of Dryer Cycles	11
Drying Cycles Selections	Damp Dry Heavy Duty Less Dry More Dry Normal Dry Timed Dry 20 Timed Dry 30 Timed Dry 40 Timed Dry 50 Timed Dry 60 Wrinkle Control
Options	
Dryer Option Selections	Temperature
Number of Dryer Options	1
Temperature Settings	
Number of Temperatures	5
Temperature Selection	High Low Extra Low Medium Air Only
Management System Features	
Full Width Console	Yes
Installation Considerations	
Maximum Vent Length (Feet)	64
Venting Direction	Left, Right, Bottom, Rear
Certifications	
CSA	•
UL	Yes
Electrical	
Amps	15 (For Gas Dryer) or 30 (For Electric Dryer)
Hz	60
Power Cord Included	Yes
Power Cord Length (Feet)	6
Volts	120 (For Gas Dryer) or 240 (For Electric Dryer)
Watts	5400 (For Electric Dryer)
Compatibility	
Connectivity	No
Works With	No

Product Features

Control Panel



Not all features and options are available on all models. Appearance may vary.

1. Dryer Cycle Knob

Use your Dryer Cycle Knob to select available cycles on your dryer. Turn the knob to select a cycle for your laundry load. See the “Cycle Guide” chart for detailed descriptions of cycles.

Timed Dry

Will run the dryer for the specified time on the control. On models with a selectable temperature knob, you may choose a setting based on the fabrics in your load. Drying time and temperature will depend on your dryer model.

Sensor Cycles/Dryness Level

Senses moisture in the load and air temperature and shuts off when the load reaches the selected dryness level. This setting gives the best drying in the shortest time. Drying time will vary based on fabric type, load size, and dryness setting.

2. Temperature

Select a drying temperature based on the fabrics in your load. If you are unsure of the temperature to select for a load, select the lower setting rather than the higher setting.

NOTE: The No Heat Temperature feature is not available on the sensor cycles.

3. Push To Start End Of Cycle Signal

Press to start a cycle or rotate to turn sound on/off.

Model Number Nomenclature

Maytag® Front Load Dryer Model

MODEL NUMBER	M	GD	P	586	K	W
INTERNATIONAL SALES OR MARKETING CHANNEL						
Brand **M = Maytag®**						
Platform **GD = Gas Dryer** **ED = Electric Dryer**						
Model **P = Professional**						
Feature Set **Ranges from 215–955** **(The higher the number the more features available.)**						
Year of Launch **G = 2017** **K = 2020**						
Color **W= White**						

Model Number and Serial Number Label Location

Tech Sheet Location

Section 2: Diagnostics and Troubleshooting

This section provides diagnostic, fault codes, and troubleshooting information for the “Maytag® 7.4 cu ft Commercial Grade Residential Dryer.”

- Safety
- Empire model(s) Cycle Guide
- Diagnostic Codes
- Dryer Diagnostic Mode
- Dryer Help Mode
- Troubleshooting Guide
- Troubleshooting Tests
- Troubleshooting Dryer Operation

For Service Technician Use Only
Safety

⚠ DANGER

Electrical Shock Hazard

Only authorized technicians should perform diagnostic voltage measurements.

After performing voltage measurements, disconnect power before servicing.

Failure to follow these instructions can result in death or electrical shock.

⚠ WARNING

Electrical Shock Hazard

Disconnect power before servicing.

Replace all parts and panels before operating.

Failure to do so can result in death or electrical shock.

Voltage Measurement Safety Information

When performing live voltage measurements, you must do the following:

- **Verify the controls are in the off position so that the appliance does not start when energized.**
- **Allow enough space to perform the voltage measurements without obstructions.**
- **Keep other people a safe distance away from the appliance to prevent potential injury.**
- **Always use the proper testing equipment.**
- **After voltage measurements, always disconnect power before servicing.**

IMPORTANT: Electrostatic Discharge (ESD) Sensitive Electronics

ESD problems are present everywhere. ESD may damage or weaken the electronic control assembly. The new control assembly may appear to work well after repair is finished, but failure may occur at a later date due to ESD stress.

- Use an antistatic wrist strap. Connect wrist strap to green ground connection point or unpainted metal in the appliance

  -OR-

  Touch your finger repeatedly to a green ground connection point or unpainted metal in the appliance.
- Before removing the part from its package, touch the antistatic bag to a green ground connection point or unpainted metal in the appliance.
- Avoid touching electronic parts or terminal contacts; handle electronic control assembly by edges only.
- When repackaging failed electronic control assembly in antistatic bag, observe above instructions.

IMPORTANT SAFETY NOTICE — "For Technicians only"

This service data sheet is intended for use by persons having electrical, electronic, and mechanical experience and knowledge at a level generally considered acceptable in the appliance repair trade. Any attempt to repair a major appliance may result in personal injury and property damage. The manufacturer or seller cannot be responsible, nor assume any liability for injury or damage of any kind arising from the use of this data sheet.

For Service Technician Use Only
Empire model(s) Cycle Guide

Cycle Guide - Timed Dry

Not all cycles and settings are available on all models.

Timed Dry - Will run the dryer for the specified time on the control. Depending on model, temperature may be selected on cycle knob or be a separate control.

Items to Dry	Cycle	Temperature	Cycle Details
Heavy or bulky items	Heavy Duty*	Any	Completes drying if items are still damp.
Any load	Timed Dry	Any	Dries items to a damp level for items that do not require an entire drying cycle. Select a drying temperature based on the fabrics in your load. If you are unsure of the temperature to select for a load, select the lower setting rather than the higher setting.
Rubber, plastic, heat-sensitive fabrics	Timed Dry	No Heat	Use a no-heat setting for foam, rubber, plastic, or heat-sensitive fabrics.
Special Setting†			
Any load	Wrinkle Control†	No Heat	After a cycle is complete, the load is periodically tumbled to avoid wrinkles until you are ready to remove it.

*NOTE: This clothes dryer's Government energy certifications were based on the 60-minute/Timed Dry Cycle, and Maximum Drying Temperature Setting. The as-shipped defaults of Normal Dry, Medium Temperature, and Sound Off were not used.

†This setting is added at the end of certain cycles to reduce wrinkling.

Cycle Guide - Sensor Cycles

Not all cycles and settings are available on all models.

Sensor Cycles - Sense moisture in the load or air temperature and shuts off when the load reaches the selected dryness level. Depending on model, temperature may be selected on cycle knob or be a separate control.

Items to Dry	Cycle	Temperature	Cycle Details
Jeans, heavy work clothes, towels	More Dry	High	Gives fabric the best drying in the shortest time. Drying time varies based on fabric type, load size, and dryness setting. Select a drying temperature based on the fabrics in your load. If you are unsure of the temperature to select for a load, select the lower setting rather than the higher setting.
Work clothes, medium weight, fabrics, sheets	Normal Dry	Medium	
Casual, shirts, pants, lightweight items, synthetics, delicates, athletic wear	Less Dry	Low	

For Service Technician Use Only

Proper Grounding and Polarization of 120 V Wall Outlets

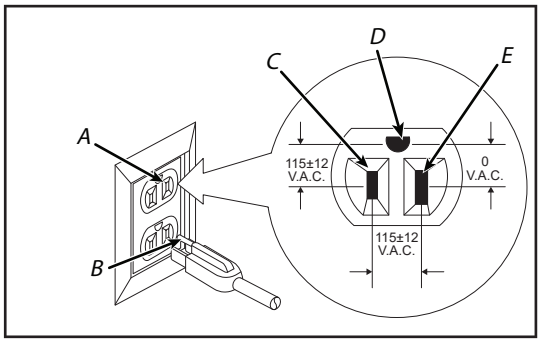
⚠ WARNING

Electrical Shock Hazard

Disconnect power before servicing.

Replace all parts and panels before operating.

Failure to do so can result in death or electrical shock.



A. *Neutral Side*
B. *Round Grounding Prong*
C. *L1*
D. *Ground(Arrow Missing)*
E. *Neutral*

All appliances have a three-prong power cord and must be connected to a properly polarized and grounded wall outlet.

This information was written for those who do not understand grounding and polarization of a wall outlet. A 120 V wall outlet must always be wired as shown above.

Diagnostic Codes

If the set-up mode is entered and one of the following has occurred, the appropriate diagnostic code will be in the display.

Code	Explanation
Single Dryer	
d1	Dryer door sense error on control board or due to power line interference (cycles and price display disabled until diagnostic code is manually cleared).
d4	Dryer motor control circuit error (cycles and customer display disabled until diagnostic code is manually cleared).
d9	Voltage detected below 90 VAC for 8 seconds.
d12	Motor sense error on control board or due to power line interference (cycles and customer display disabled until diagnostic code is manually cleared).

Dryer Diagnostic Mode

This mode is entered by depressing DELICATES for one second while in set-up code 6 (or while dAS displays if operating with Maytag Data Acquisition setup) or with a diagnostic code present. Diagnostic codes are cleared on entry and all display segments should flash. If a diagnostic code persists, it must be corrected before the diagnostic cycle may be executed.

All Single Load Models

With all segments flashing, the diagnostic cycle is started by depressing the PERM. PRESS button. The cycle consists of 7 minutes of heat and one minute of cool down.

The WHITES AND COLORS button will increment the diagnostic cycle minutes up to 99, then roll over to 2 minutes.
The DELICATES button will cancel this cycle and exit the diagnostic mode.

Dryer Help Mode

Dryer help mode is entered by pressing the WHITES AND COLORS button (or while dAS displays if operating with Maytag Data Acquisition setup). In help mode, the software revision is displayed in the digits. Press the WHITES AND COLORS button at any time to exit help mode.

In help mode, other display symbols and elements are mapped to reflect the state of various inputs and outputs as follows:

Single Load Dryers only

*	Low voltage present (below about 90 VAC)
Circle above digit	Door closed
&	60°C (140°F) thermostat closed
OR	Motor sensed running
AIR	Heater/Gas valve relay on
FLUFF	Motor relay on

Help Codes

Help Code	Description
88	Invalid message state found in the communications comm_ suprv() routine

For Service Technician Use Only
Troubleshooting Guide

⚠ WARNING

Electrical Shock Hazard

Disconnect power before servicing.

Replace all parts and panels before operating.

Failure to do so can result in death or electrical shock.

Problem	Possible Cause/Test
Won't power up. (No display)	1. Supply connections. See Test #1 Supply Connections. 2. Check harness connections. 3. Console electronics and housing assembly. See Test #5 Exhaust Temperature Test. 4. Check for loose connections at Transformer.
Won't start cycle when cycle button is pressed.	1. If Select Cycle is flashing, ensure the door is completely shut, and press and hold down a Cycle button for about one second. 2. See Test #2 Motor Circuit Test.
Won't shut off when expected.	1. MN Models: Timer stuck or damaged.
Control won't accept selections.	1. Keypad Assembly. See Test #5 Exhaust Temperature Test.
Won't heat.	1. Heater. See Test #3 Heater Test. 2. Check harness connections. 3. Check installation.

NOTE: Possible Cause/Tests must be performed in the sequence shown for each problem.

For Service Technician Use Only

Troubleshooting Tests

⚠ WARNING

Electrical Shock Hazard

Disconnect power before servicing.

Replace all parts and panels before operating.

Failure to do so can result in death or electrical shock.

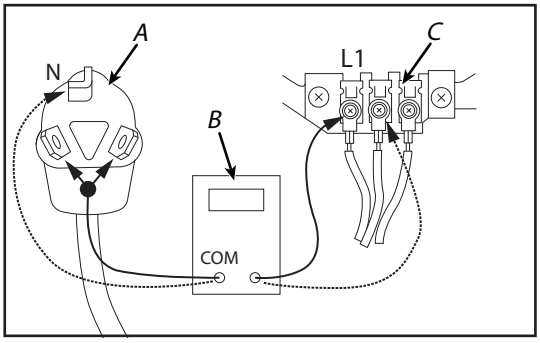
NOTE: These checks are done with the dryer unplugged or disconnected from power.

Test #1 Supply Connections

This test assumes that proper voltage is present at the outlet, and visual inspection indicates that the power cord is securely fastened to the terminal block (electric dryer) or wire harness connection (gas dryer).

Electric Dryer

1. Unplug dryer or disconnect power.
2. Remove the cover plate from the upper right corner of the back of the dryer.
3. With an ohmmeter, check for continuity between the neutral (N) terminal of the plug and the center contact on the terminal block. See illustration below:



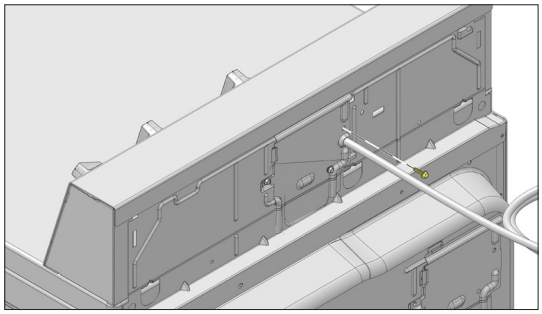
A. *Power Cord Plug*
B. *Ohmmeter*
C. *Terminal Block*

- If there is no continuity, ensure that the white wire is at the center position on the terminal block. If not correct the wiring. If it is, then replace the power cord and test the dryer.
- If wired correctly and there is continuity, go to step 4.

4. In a similar way, check which terminal of the plug is connected to the left-most contact on the terminal block and make a note of it. This will be L1 (black wire) in the above diagram.
5. When this is found go to step 5.
   - If neither of the plug terminals have continuity with the left-most contact of the terminal block, replace the power cord and test the dryer.
6. Access the machine control electronics without disconnecting any wiring to the dryer control board.
7. With an ohmmeter, check for continuity between the L1 terminal of the plug (found in step 4) and black wire on the dryer control transformer.
   - If there is continuity, go to step 7.
   - If there is no continuity, check that wires on the terminal block are mechanically secure. If not, tighten securely, if this cannot be accomplished, replace the terminal block assembly. If secured tightly, replace the main wire harness and test the dryer.
8. Check for continuity between the neutral (N) terminal of the plug and white wire on the dryer control transformer.
   - If there is continuity, go to step 8.
   - If there is no continuity and the mechanical connections of the wire are secure, replace the main wire harness.
9. Visually check that the transformer is connected to the control board at AA6 and no wires are loose in the connector.
10. If both steps 8 and 9 pass, then reinstall the console electronics, console assembly, and all parts and panels before operating.
11. Plug in dryer or reconnect power.
12. Perform the Diagnostic Test to verify repair.
13. If display segment still does not light, the dryer control board has failed:
    - Unplug dryer or disconnect power.
    - Replace the dryer control board.
    - Reinstall all parts and panels before operating.
    - Plug in dryer or reconnect power.
    - Perform diagnostic test to verify repair.

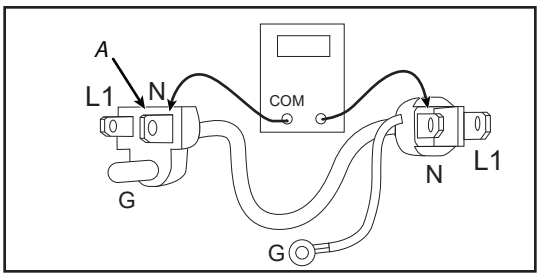
Gas Dryer

1. Unplug dryer or disconnect power.
2. Remove the screw and cover plate from the upper right corner of the back of the dryer.



For Service Technician Use Only

3. Check that the power cord is firmly connected to the dryer's wire harness. Check continuity from each plug end to the wire harness connector just inside the cover plate. Check black to short plug end and white to long plug end as well as green to round plug end.
4. Access dryer control electronics without disconnecting any wiring to the dryer control board.
5. With an ohmmeter, check for continuity between the neutral (N) terminal of the plug and white wire (N) of the harness connector. The left-hand side of the illustration below shows the position of the neutral terminal (N) on the power cord plug.



A. *Power Cord Plug*

- If there is continuity, go to step 6.
- If there is no continuity, or an open circuit (infinite Ω) is found, replace the power cord. Otherwise, go to step 6.

6. In a similar way, check the continuity between the L1 terminal of the plug and black wire at the harness connection.
   - If there is continuity, go to step 8.
   - If there is no continuity, check the continuity of the power cord in a similar way to that illustrated in step 5, but for power cord's L1 wire.
   - If an open circuit (infinite Ω) is found, replace the power cord. Otherwise, go to step 7.
7. Replace the main harness.
8. Visually check that the transformer is connected to the User Interface Control (UIC) at AA6 and no wires are loose in the connector.
9. Visually check that the P2 connector is inserted all the way into the dryer CCU control board.
10. Visually check that all UIC connections are tight and all wires secured into connectors.
11. If all of the visual checks pass, reinstall the console electronics, housing assembly, and all parts and panels before operating.
12. Plug in dryer or reconnect power.
13. Perform the Diagnostic Test to verify repair.
14. If indicators do not light, the dryer UIC electronics has failed :
    - Unplug dryer or disconnect power.
    - Replace the dryer UIC.
    - Reinstall all the parts and panels before operating.
    - Plug in dryer or reconnect power.
    - Perform Diagnostic Test to verify repair.

Test #2 Motor Circuit Test

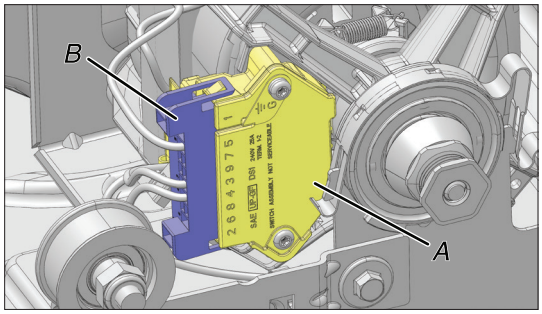
This test will check the wiring to the motor and the motor itself. The following items are part of this motor system:

Part of Motor System	Electric Dryer	Gas Dryer
Harness connection	Yes	Yes
Thermal fuse	Yes	No
Belt/belt switch	Yes	Yes
Drive motor	Yes	Yes
Centrifugal switch	Yes	Yes
Door switch	Yes	Yes
Machine control electronics. See ESD information.	Yes	Yes

1. Unplug dryer of disconnect power.

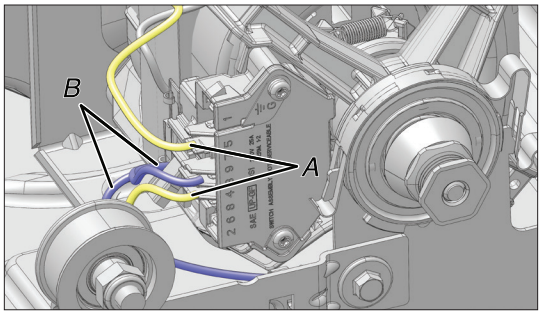
   Electric Dryers only: Check the thermal fuse. See Test #3a Thermal Fuse Test.

   All Dryers: Continue with step 4 below to test the remaining components in the motor circuit.
2. Check the belt switch, and drive motor. Remove the drum belt from the spring loaded idler pulley.
3. Remove the white connector from the drive motor switch (see illustration below).



A. *Drive Motor Switch*
B. *White Connector*

4. Check for the resistance values of the motor's Main and Start winding coils as shown below.



A. *Main Winding: Light Blue Wire in Black and Bare Copper Wire*
B. *Start Winding: Light Blue Wire in Black and Bare Copper Wire*

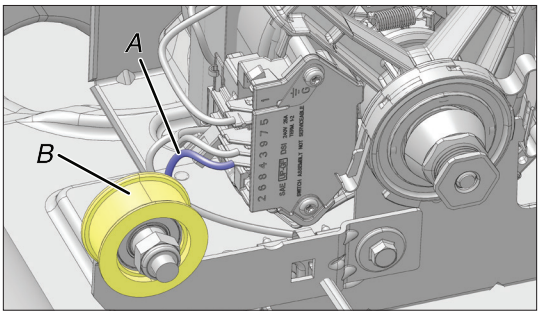
NOTE: Main and Start winding coils must be checked at the motor.

For Service Technician Use Only

Winding	Resistance (Ω)	Contact Points of Measurement
Main	2.4 Ω- 3.6 Ω	Lt. blue wire in back at pin 4 and bare copper wire on pin 5 of black drive motor switch.
Start	2.4 Ω - 3.8 Ω	Lt. blue wire in back at pin 4 and bare copper wire on pin 3 of black drive motor switch.

- If the resistance at the motor is correct there is an open circuit (infinite Ω) between the motor and machine control electronics. Check for failed belt switch.

5. Check the belt switch by measuring resistance between the two light blue wires, as shown below, while pushing up the belt switch pulley.



A. *Light Blue Wires*
B. *Belt Switch Pulley*

- If the resistance reading goes from infinity to a few ohms as pulley arm closes the switch, belt switch is OK. If not, replace the belt switch.
- If belt switch is OK and there is still an open circuit (infinite Ω), check and repair the wiring harness.
- If the start winding is in question and the resistance is much greater than 4 Ω, replace the motor.

6. Door Switch problems can be uncovered in the Door Switch Diagnostic Test. However, if this was not done, the following can be done without applying power to the dryer. Connect an ohmmeter across neutral, white or any bare ground connection and the red connector on terminal 8 of the AA7 connector on the control board.
   - With the door properly closed, the ohmmeter should indicate a Closed circuit (0 Ω - 2 Ω).
   - If not, replace the door switch assembly.

Test #3 Heater Test

This test is performed when either of the following situations occur:

- Dryer does not heat
- Heat will not shut off

This test checks the components making up the heating circuit. The following items are part of this system:

Part of Heating system	Electric Dryer	Gas Dryer
Harness/connection	Yes	Yes
Heater relay	Yes	Yes
High temperature cutout	Yes	Yes
Thermal fuse	No	Yes
High temp thermostat	Yes	Yes
Heat element assembly	Yes	No
Gas burner assembly	No	Yes
Centrifugal switch	Yes	Yes
Exhaust thermistor	Yes	Yes
Machine control electronics (See ESD information)	Yes	Yes
Console electronics and housing assembly	Yes	Yes
Gas supply	No	Yes

Dryer does not heat:

Electric Dryer:

1. Unplug dryer or disconnect power.
2. Remove the service panel to access the thermal components.
3. Using an ohmmeter and referring to the Wiring Diagram, measure the resistance from the violet wire at the thermal cutoff to the red wire at the heater.
   - If the resistance is about 10 Ω, go to step 5.
   - If an open circuit (infinite Ω) is detected, go to step 4.
4. Visually Check the wire connections to the high temperature cutout, high temperature thermostat, and heater. If connections look good, check for continuity across each of these components. Replace the heater if it is electrically open. Replace both the high temperature cutout and high temperature thermostat if either one is electrically open.
5. If no open circuit (infinite Ω) is detected, measure resistance at the orange wires located on the heater relay coil. When checking the relay coil first pull the orange wires off the relay. Using an ohm meter check for continuity.
   - If the circuit shows open, replace the relay.
   - If coil shows continuity replace the dryer control board.
   - If the resistance is less than 1K Ω, replace the operating thermistor.

For Service Technician Use Only

Gas Dryer:

1. Unplug dryer or disconnect power.
2. Locate the red wire at the gas valve and the black wire on the thermal fuse that is coming from the control board (not the black wire that is going to the operating thermostat), remove this black wire on the thermal fuse and check resistance from the bare terminal on the thermal fuse to the red wire at the gas valve. If there is continuity then skip to step 8.
3. Remove the service panel to access the thermal components.
4. Perform TEST #3a Thermal Fuse Test. If the thermal fuse is OK, go to step 5.
5. Check both operating thermostat by removing one of the wires on the terminals and checking for continuity across both terminals of each operating thermostat. If an open circuit is detected, replace that thermostat.
6. Perform TEST #3b high temperature cutout test. If the high temperature cutout is OK, go to step 7.
7. Locate the high temperature thermostat. Measure the continuity through it by touching the meter probes on the red wire and the blue wire.
   - If there is an open circuit (infinite Ω), replace the high temperature thermostat and high temperature cutout as a set.
   - Otherwise, go to step 8.
8. Perform TEST #3c Gas Valve Test. If this is OK, replace the dryer control board.

Dryer will not shut off:

1. Unplug dryer or disconnect power.
2. Check for excess cycles loaded on the timer by rotating the timing gear. Both timer arms need to move when the timer clicks in order to be clear of cycles.
3. Access the dryer mechanical timer, and measure the voltage at the timer motor.
   - If there is 120 V at the timer motor, check the timer motor terminals.
   - Timer motor terminals OK, replace the timer.

Test #3a Thermal Fuse Test

Electric Dryer: The thermal fuse is wired in series with the dryer drive motor.

Gas Dryer: The thermal fuse is wired in series with the dryer gas valve.

All Dryers:

1. Unplug dryer or disconnect power.
2. Access the thermal fuse.
3. Disconnect wires from thermal fuse. Using an ohmmeter, check continuity across the thermal fuse.
   - If the ohmmeter indicates an open circuit (infinite Ω), replace the failed thermal fuse.

Test #3b High Temperature Cutout Test

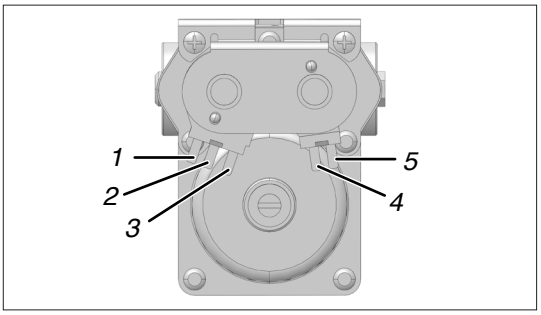
If the dryer does not produce heat, check the status of the high temperature cutout.

1. Unplug dryer or disconnect power.
2. Access the High Temperature Cutout.
3. Using an ohmmeter, check the continuity across the High Temperature Cutout.
   - If the ohmmeter indicates an open circuit (infinite Ω), replace the failed high temperature cutout and high temperature thermostat. In addition, check for blocked or improper exhaust system, or failed heat element (electric dryer).

Test #3c Gas Valve Test

1. Unplug dryer or disconnect power.
2. Access the gas valve.

Use an ohmmeter to determine if a gas valve coil has failed. Remove harness plugs. Measure resistance across terminals. Readings should match those shown in the following chart. If not, replace coil.



Terminals	Resistance
1 to 2	1365 Ω ± 25
1 to 3	560 Ω ± 25
4 to 5	1220 Ω ± 50

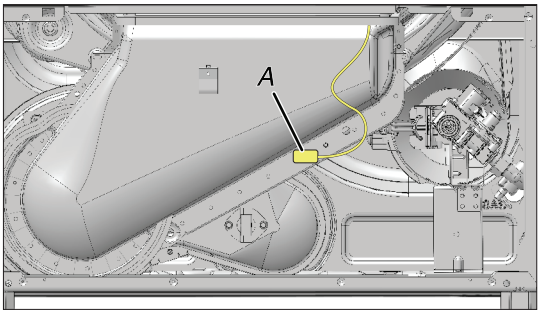
IMPORTANT: Ensure all harness wires are looped back through the strain relief after checking or replacing coils.

For Service Technician Use Only

Test #4 Door Switch Test

Activate Diagnostic Test Mode, and perform a Door Switch Test. Functionality can be verified by the appearance of a degree symbol above a digit each time door is closed, but goes away when the door is opened again. If the Door Switch Test does not reveal the degree symbol (small circle above the digit) in the display when the door is closed:

1. Unplug dryer of disconnect power.
2. Check that the wires between the door switch and dryer control are connected.
   On Electronically Controlled Dryers: Control board connector AA7 (pin 8) to neutral are the door switch connections. MN Models need to be checked at the door switch connector, or from neutral to the Push-to-Start switch.



A. *Door Switch Connector Location*

- If the connections are OK, replace the door switch assembly and retest.
- If wire and door switch assembly have been replaced and dryer still does not start, replace the control board.

Test #5 Exhaust Temperature Test

1. Hold a thermometer capable of reading from 90°F to 180°F (32°C to 82°C) in the center of the exhaust outlet. The correct exhaust temperatures are as follows:

Exhaust Temperatures		
Fabric Setting	**Heat Turns OFF***	**Heat Turns ON**
Whites and Colors	155°F ± 5°F (68°C ± 3°C)	10°F - 15°F (6°C - 8°C) Below the heat turn off temperature
Permanent Press	155°F ± 5°F (68°C ± 3°C)	
Delicates	140°F ± 5°F (60°C ± 3°C)	

***The measured overshoot using the thermometer in the exhaust outlet can be 30°F (17°C) higher.

2. If the exhaust temperature is not within specified limits, unplug dryer or disconnect power. See dryer does not heat.
   - If thermostats check OK look for exhaust restrictions.

For Service Technician Use Only

Troubleshooting Dryer Operation

If you experience	Possible Causes	Solution
Clothes are not drying satisfactorily, drying times too long, or load is too hot	Is the lint screen clogged with lint?	Lint screen should be cleaned before each load.
	Is the exhaust vent of outside exhaust hood clogged with lint, restricting air movement?	Run the dryer for 5-10 minutes. Hold your hand under the outside exhaust hood to check air movement. If you do not feel air movement, clean exhaust system of lint or replace exhaust vent with heavy metal or flexible metal vent. See the Installation Instructions.
	Are fabric softener sheets blocking the grille?	Use only one fabric softener sheet, and use it only once.
	Is the exhaust vent the correct length?	Check that the exhaust vent is not too long or has too many turns. Long venting will increase drying times. Back pressure measured at the exhaust outlet of the dryer should be less than 1" but more than 0" water column. See venting requirements.
	Is the exhaust vent diameter the correct size?	Use 4" (10.2 cm) diameter vent material.
	Is the dryer located in a room with temperatures below 45°F (7°C)?	Proper operation of dryer Cycles requires supply air temperatures above 45°F (7°C).
	Is the dryer located in a closet?	Closet doors must have ventilation openings at the top and bottom of the door. The front of the dryer requires a minimum of 1" (2.54 cm) of airspace, and, for most installations, the rear of the dryer requires 5" (12.7 cm). See the Installation Instructions.
	Has the correct cycle been selected?	Select the right cycle for the types of garments being dried.
	Is the load too large and heavy to dry quickly?	Separate the load to tumble freely. Check washer for proper spin speeds and moisture extraction.
	Check if operating this electric dryer on 208 V?	The 208 V heater element kit should be installed, otherwise the dryer will lose about 25% efficiency. USA part #W10206352A (5100 W), Canada part #W10206351A (4100 W).
Dryer will not run	Is there anything in the display lit?	If not, check incoming voltage and transformer connections.
	Has a household fuse blown, or has a circuit breaker tripped?	There may be two (2) fuses or circuit breakers for an electric dryer. Check that both fuses are intact and tight, or that both circuit breakers have not tripped. Replace the fuse or reset the circuit breaker. If the problem continues, call an electrician.
	Was a regular fuse used?	Use a time-delay fuse.
	Is the correct power supply available?	Electric dryers require a 240 V power supply, delivering 30 A of current. Check with a qualified electrician.
	Is the dryer door firmly closed?	Make sure the dryer door is closed completely.
	Listen for the door switch or switches?	If they can't be heard, replace the switch or switches.
	Was the cycle button pressed firmly or held long enough?	Press the START button until you hear the dryer drum moving.

For Service Technician Use Only

Unusual sounds	Has the dryer had a period of non-use?	If the dryer hasn't been used for a while, there may be a thumping sound during the first few minutes of operation. The same thumping sound can be caused by a drum installed backwards.
	Is it a gas dryer?	The gas valve clicking is a normal operating sound.
	Are the four (4) legs installed, and is the dryer level front to back and side to side?	The dryer may vibrate if not properly installed. See installation instructions. Excessive vibration can also be due to missing vibration pad under the motor bracket.
	Is the clothing knotted or balled up?	When balled up, the load will bounce, causing the dryer to vibrate. Separate the load items and restart the dryer.
	Is the noise from the blower?	Lint balls in the blower wheel causes noise.
	Is the vent connected to the dryer?	Dryer makes more noise with the vent off.
	A coin, button, or paper clip is caught between the drum and front or rear of the dryer.	Check the front and rear edges of the drum for small objects. Clean out pockets before laundering garments.
No heat	Has a household fuse blown, or has a circuit breaker tripped?	The drum may be turning, but there may not be heat Electric dryers may use two fuses or circuit breakers. Replace blown fuse(s) or reset the circuit breaker(s). If the problem continues, call an electrician.
	Is supply line valve open?	For gas dryers, ensure the valve is open on the supply line.
	Is the shut-off valve open on the gas supply line?	Also check shut-off valve on right side of gas burner.
	Is correct gas pressure supplied?	Check if desired gas pressure is supplied.
	Has the dryer been sitting unused for a long while?	Check the gas valve orifice for a blockage.
	Is the correct power supply available?	Electric dryers require 240 V power supply. Check with a qualified electrician.
Dryer displaying code message	Is the screen blank?	When power is applied may indicate a failure mode, enter diagnostics mode to get the code displayed then check the diagnostic codes table.
	Cannot enter diagnostic mode or display shows no failure code, check for 120 VAC at transformer primary.	Primary voltage good, check secondary voltage.
	Check for 22.5 VAC at the transformer secondary or on the control board at the AA6 connector.	Voltage not present, replace transformer. Voltage present, replace control board.
Display flashes in user mode	Check physical position of vault switch.	If position is correct check switch wiring and harness connections. If wiring checks OK, check AA1 connector on control board.
	Unplug dryer and AA1 connector from control board, check continuity between the black and orange wires in the connector.	Continuity not found, recheck the wire harness and connectors from AA1 connector to vault switch. Replace the switch wire harness if no problem can be found and the switch checks out fine. Continuity is good reinstall the AA1 connector and check operation. If display is still flashing, replace the control board.

Dryer reverts to default options	Is Dryer reverting to default options?	Set-up the desired options and save the settings. Unplug the dryer for 15 seconds. Reapply power to dryer, if operator desired options revert to factory defaults, replace control board.
Cycle time too short	Sensor cycle ending early.	The load may not be contacting the sensor strips. Level the dryer. Use a timed dry for very small loads. Change the dryness level setting on sensor cycles. Increasing or decreasing the dryness level will change the amount of drying time in a cycle.
Lint on load	Is the lint screen clogged?	Clean lint screen. Check for air movement. Check for proper detergent use in washer. Lint screen should be cleaned before each load.
Stains on load or drum	Was dryer fabric softener properly used?	Add dryer fabric softener sheets at the beginning of the cycle. Fabric softener sheets added to a partially dried load can stain garments. Drum stains are caused by dyes in clothing (usually blue jeans). This will not transfer to other clothing. Black oily soot on the drum and clothes can be caused by a dryer not set-up properly to burn LP gas.
Loads are wrinkled	Was the load removed from dryer at the end of the cycle?	Select Wrinkle Control cycle to tumble the load without heat to avoid wrinkling.
	Dryer tightly packed	Dry smaller loads that can tumble freely to help prevent wrinkles from forming.
	Was the dryer overloaded?	Dry smaller loads that can tumble freely.
	Check for proper cool down period at cycle end.	Hot clothes left to sit will set wrinkles more easily.
Odors	Was there painting, staining or varnishing being done in the area where the dryer is located?	If so, ventilate the area. When the odors or fumes are gone from the area, rewash and dry the clothing.
	Is the electric dryer being used for the first time?	The new electric heating element may have an odor. The odor will be gone after the first cycle.
Load is too hot	Was the load removed from dryer at the before the end of the cycle?	Allow the dryer to finish the cool-down cycle before removing laundry from dryer. All cycles are cooled slowly to reduce wrinkling and make items easier to handle. Items removed before cooldown may feel very warm.
	High temperature cycle was used or the Temperature knob was set on High.	Select a lower temperature, and use a sensor drying cycle. These cycles sense the temperature or the moisture level in the load and shut off when the load reaches the selected dryness. This reduces overdrying.

Notes

Section 3: Component Testing

This section provides the wiring diagram and component location for the “Maytag® 7.4 cu ft Commercial Grade Residential Dryer.”

- Safety
- Wiring Diagram
- Component Testing
- Component Location

For Service Technician Use Only

Safety

⚠ DANGER

Electrical Shock Hazard

Only authorized technicians should perform diagnostic voltage measurements.

After performing voltage measurements, disconnect power before servicing.

Failure to follow these instructions can result in death or electrical shock.

⚠ WARNING

Electrical Shock Hazard

Disconnect power before servicing.

Replace all parts and panels before operating.

Failure to do so can result in death or electrical shock.

Voltage Measurement Safety Information

When performing live voltage measurements, you must do the following:

- **Verify the controls are in the off position so that the appliance does not start when energized.**
- **Allow enough space to perform the voltage measurements without obstructions.**
- **Keep other people a safe distance away from the appliance to prevent potential injury.**
- **Always use the proper testing equipment.**
- **After voltage measurements, always disconnect power before servicing.**

IMPORTANT: Electrostatic Discharge (ESD) Sensitive Electronics

ESD problems are present everywhere. ESD may damage or weaken the electronic control assembly. The new control assembly may appear to work well after repair is finished, but failure may occur at a later date due to ESD stress.

- Use an antistatic wrist strap. Connect wrist strap to green ground connection point or unpainted metal in the appliance

  -OR-

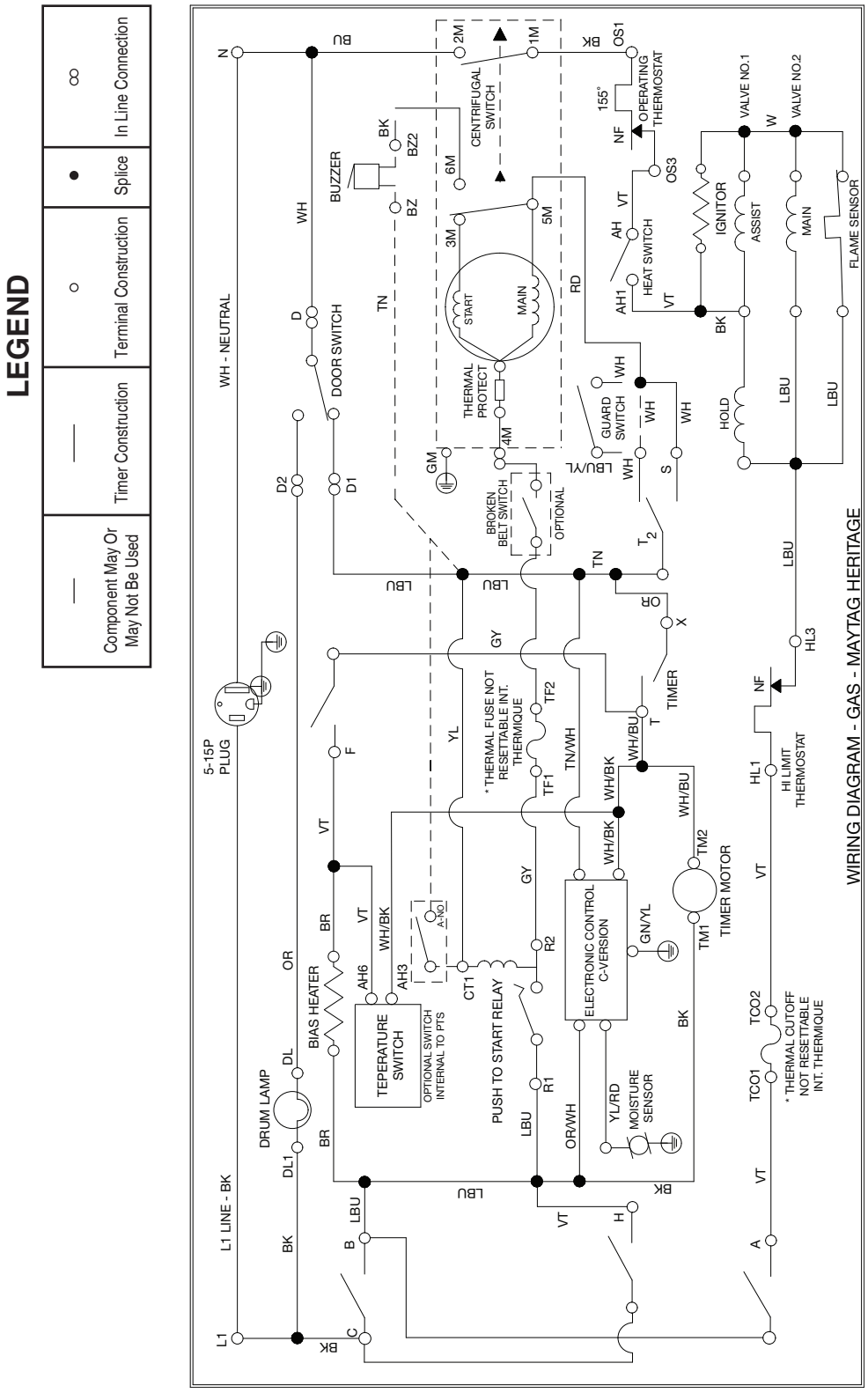
  Touch your finger repeatedly to a green ground connection point or unpainted metal in the appliance.
- Before removing the part from its package, touch the antistatic bag to a green ground connection point or unpainted metal in the appliance.
- Avoid touching electronic parts or terminal contacts; handle electronic control assembly by edges only.
- When repackaging failed electronic control assembly in antistatic bag, observe above instructions.

For Service Technician Use Only
Wiring Diagram

Gas Dryer

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

IMPORTANT: Disconnect from electrical supply before servicing unit.



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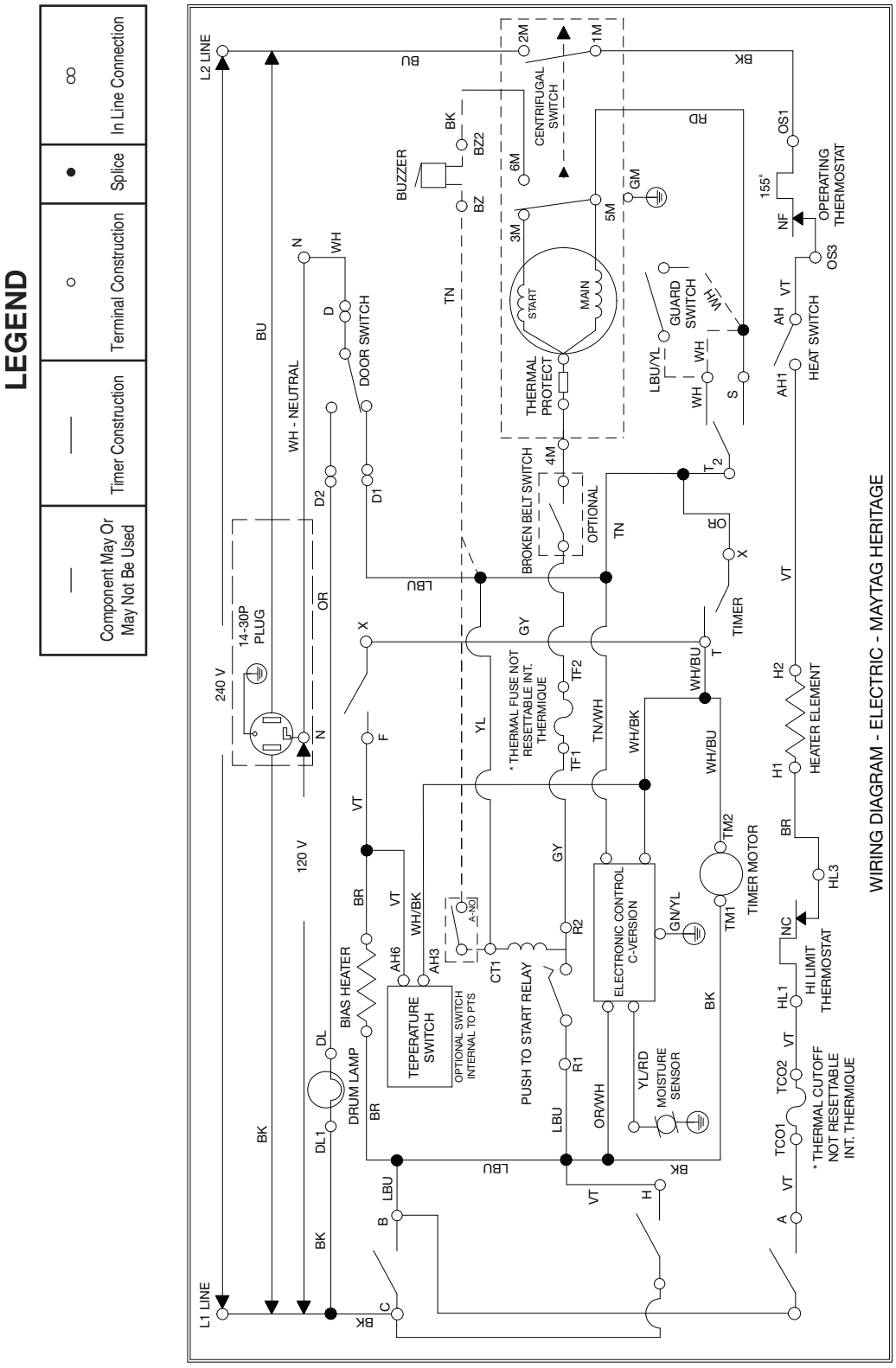
Electric Dryer

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

IMPORTANT: Disconnect from electrical supply before servicing unit.



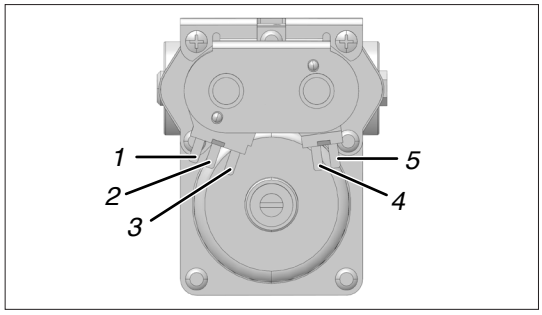
For Service Technician Use Only
Component Testing

Gas Valve Coils

The gas valve is actually a regulator and two valves in one. One valve is in series with the other.

The first valve has a split coil and requires both coils to lift the armature, but only one coil to hold it open. The second or secondary coil requires only one coil.

1. Unplug dryer or disconnect power.
2. Tum off gas supply to dryer.
3. Remove the gas burner assembly.
4. Disconnect the wire connectors from the coil terminals.
5. Set the ohmmeter to the R X 100 scale.
6. Set digital ohmmeters to lowest scale.
7. Touch the ohmmeter test leads to the indicated coil terminals. The meter should indicate as follows:



Pins 1 and Pin 2 = 1300 Ω to 1400 Ω

Pins 1 and Pin 3 = 500 Ω to 600 Ω

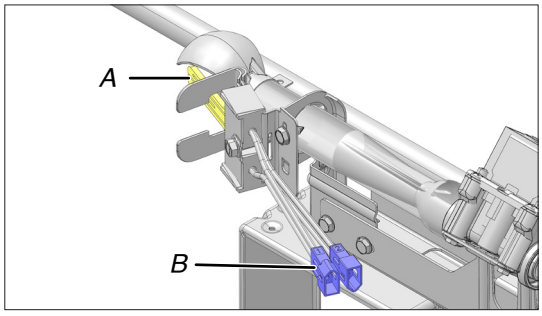
Pins 4 and Pin 5 = 1200 Ω to 1300 Ω

NOTE: Black and oily soot on the interior drum and bulkhead surfaces probably indicate that the regulator is not set-up for the proper gas type.

Burner Ignitor

When the dryer control calls for heat, line voltage is applied to the igniter. The igniter will heat up quickly and glow as it reaches approximately 2200°F (1204.5ºC) in about 30 seconds. Gas contacting the igniter at this temperature will ignite immediately.

1. Unplug dryer of disconnect power.
2. Turn off gas supply to dryer.
3. Remove the gas burner ignitor.
4. Disconnect the ignitor wire connectors from the main harness connector.
5. Set the ohmmeter to the R X 1 scale.
6. Set digital ohmmeter to lowest scale.
7. Touch the ohmmeter test leads to the two-wire connector pins. The meter should indicate between 50 Ω and 250 Ω at room temperature.



A. *Burner Ignitor*
B. *Two-Wire Connector*

Manometers

Insufficient gas flow can cause problems. Therefore, checking the gas pressure at the time when service calls are performed may avoid a return call.

Gas pressure can be checked with an instrument called a "manometer." This device can detect a "low" LP tank, restricted gas flow, bad gas valve, a malfunctioning pressure regulator, too many gas dryers operating off of a small supply line, or an improperly converted dryer from Natural to LP gas.

Other types of manometers exist. However, the type of manometer we will discuss in this manual is a water tube with a glass tube inserted into it. Water is added to the outer tube and it rises within the inner tube to equalize and seek its own level, the same method is used in both arms of a "U" shaped tube manometer.

A flexible rubber hose is connected to the upper, open end of the manometer and to the gas source. Gas pressure is exerted on one of the water columns, pushing it down. The water level then rises in the other column.

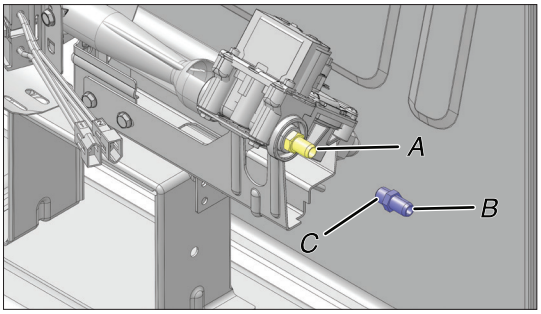
The pressure is then read on the manometer as the water column pushes downward. The water column (W.C.) for a Maytag dryer is 3.5" W.C. For Natural gas and 11" W.C. for LP gas.

How to Use:

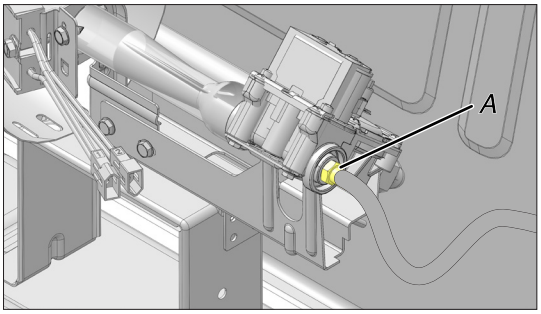
1. Disconnect power supply to dryer.
2. Remove front panel.
3. Shut off the gas to the dryer.

For Service Technician Use Only

4. Install a 1/4" tapered fitting at the gas valve pressure tap. Use thread seal tape or compound on fitting.



A. *Smooth Pressure Tap*
B. *Barbed Pressure Tap*
C. *1/4" Tapered Fitting*



A. *Pressure Tap*

5. Fill the manometer tube with water until each side equalizes at "O" water column.
6. Push the end of the manometer hose onto the pressure tap located on the gas valve.
7. Connect hose to one end of the manometer.
8. Turn on the gas and reconnect dryer to power. Run the dryer in a heat cycle. Read the manometer with the burner ON. (Check for gas leaks)
9. When the gas is on, the amount of water column present is equal to the total amount of deflection shown in the manometer.

Once the test is completed, ensure the tapered fitting is removed from the gas valve and the plug is repositioned into the gas valve and resealed with pipe seal. Check for gas leaks again with a soap or bubble solution.

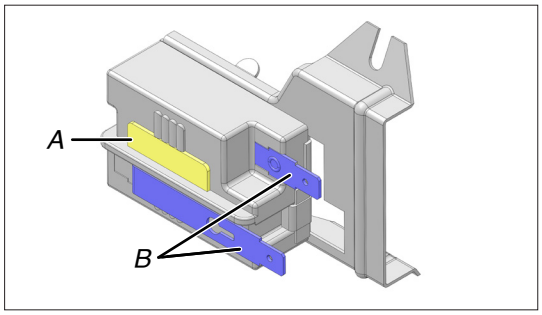
NOTE: Do not use open flame to check for gas leaks.

If high water column pressure is detected

The gas flame can damage the flame spreader on the burner. (This can be caused by the wrong orifice, improper air mixture or high gas pressure.) If pressure is higher than expected, contact the local gas utilities company to check the outside regulator.

Flame Sensor

1. Unplug dryer or disconnect power.
2. Turn off gas supply to dryer.
3. Remove the flame sensor
4. Disconnect the wire connectors from the flame sensor terminals.



A. *Flame Sensor*
B. *Terminals*

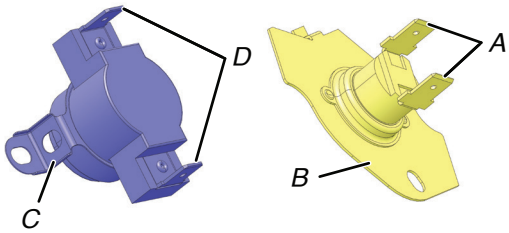
5. Set the ohmmeter to the R X 1 scale.
6. Set digital ohmmeters to lowest scale.
7. Touch the ohmmeter test leads to the flame sensor terminals. The meter should indicate a closed circuit (0 Ω) when cold.

NOTE: If the igniter stays on longer than 40 seconds, replace the Radiant Sensor.

High Temperature Thermostat and High Temperature Cutout (For Gas Dryers only)

The high temperature cutout is a non-resettable device. The cutout temperature is 352°F (178°C).

1. Unplug dryer or disconnect power.
2. Turn off gas supply to dryer.
3. Remove the high temperature thermostat or high temperature cutout.



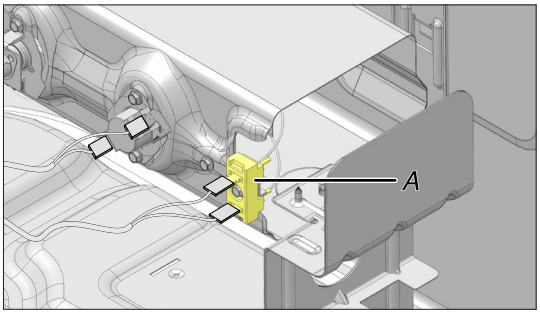
A. *High Temperature Cutout Terminals*
B. *High Temperature Cutout*
C. *High Temperature Thermostat*
D. *High Temperature Thermostat Terminals*

4. Disconnect the wire connectors from the high temperature thermostat and high temperature cutout terminals.
5. Set the ohmmeter to the R X 1 scale.
6. Set digital ohmmeters to lowest scale.
7. Touch the ohmmeter test leads to the high temperature thermostat or high temperature cutout terminals. The meter should indicate a closed circuit (0 Ω).

For Service Technician Use Only

Heating Element (Electric Dryers only)

1. Unplug dryer or disconnect power.
2. Remove the electric heating element.
3. Disconnect the wire connectors from the heater terminal block.



A. *Heater Coil Terminal Block*

4. Set the ohmmeter to the R X 1 scale.
5. Set digital ohmmeters to the lowest scale.
6. Touch the ohmmeter test leads to the terminals on the heater terminal block. The meter should indicate between 7 Ω and 12 Ω.
7. Touch an ohmmeter test lead to an element terminal block connection, and the other test lead to the heater housing case. The reading should be an open circuit (infinite Ω). A resistance reading indicates a shorted coil.

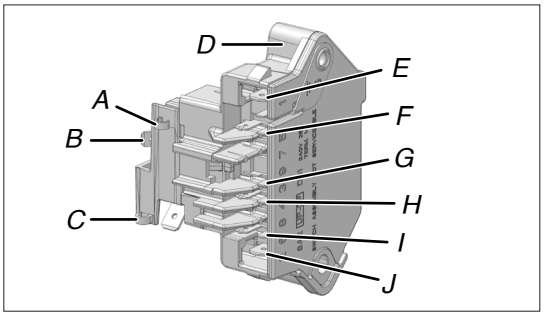
For US models: The heater element on electric dryers is designed to provide 5600 W when operated on 240 V.

For Canadian models: The heater element on electric dryers is designed to provide 5250 W when operated on 240 V.

Service kits are available to operate electric heat dryers on 208 V.

Drive Motor

The motor features a lead-less motor connection, comprised of a quick connector wire harness which connects directly to the motor. A motor test cord may be used to electrically check operation of the various electrical components without removing them from the dryer. Testing in this manner determines whether or not the part will function independently of other electrical components. In order to make an accurate test, proper connection of the motor test cord is important.

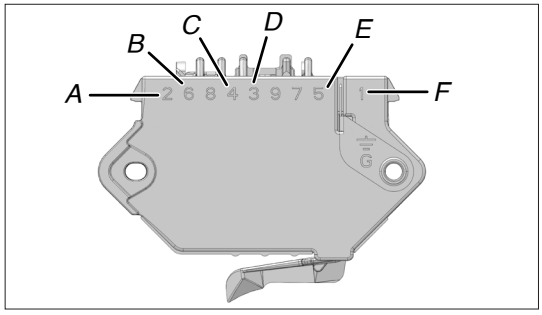


A. *Motor Thermal Overload*
B. *Bare Motor Wire*
C. *Blue Wire to Broke Belt Switch*
D. *Motor Connector*
E. *Pin 1*
F. *Pin 5 (White - Orange)*
G. *Pin 3*
H. *Pin 4 (Blue to Broke Belt Switch)*
I. *Pin 6*
J. *Pin 2*

1. Unplug dryer or disconnect power.
2. Turn off gas supply to dryer.
3. The connector has two (2) locking tabs securing the connector to the motor switch. Press on both locking tabs to release the connector from the motor switch.
4. With the wire harness removed, press inward on the brown actuator disc in the motor. The start and run winding can now be checked for proper ohms.
5. Set the ohmmeter to the R X 1 scale.
6. Set digital ohmmeters to lowest scale.

For Service Technician Use Only

7. Run winding test: Touch one ohmmeter test lead to the bare motor wire connector, and the other test lead to connector pin 5 (white orange wire). The meter should indicated between 2 Ω and 2.5 Ω (run winding).

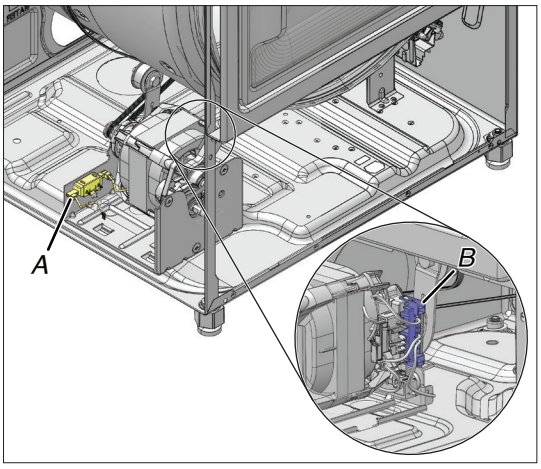


A. *Red*
B. *Black*
C. *Blue*
D. *Violet*
E. *White*
F. *Red*

8. Start winding test: Touch one ohmmeter test lead to the bare motor wire connector, and the other test lead to connector pin 3 (violet wire). The meter should indicate between 2.75 Ω and 3.5 Ω (start winding).
9. If either resistance is much larger than 4 Ω, replace the motor.

If the resistances at the motor are correct, check for a failed broken belt switch. Continuity test should show complete circuit (0 Ω).

If the broken belt switch is okay, do same test for motor thermal overload.

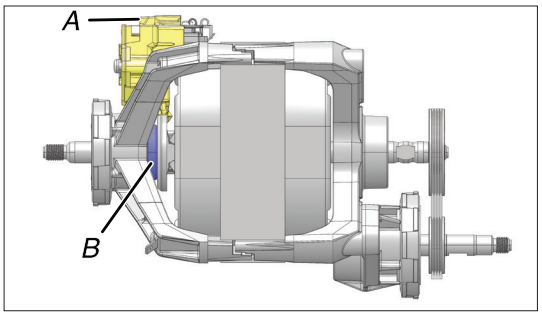


A. *Broken Belt Switch*
B. *Motor Connector*

Centrifugal Switch

1. Unplug dryer or disconnect power.
2. Turn off gas supply to dryer.
3. Press on both locking tabs to release the connector from the motor switch.
4. Set the ohmmeter to the R X 1 scale.
5. Set digital ohmmeters to lowest scale.
6. Touch one meter test lead to pin 1 and the other test lead to the pin 2.
7. Depress the brown disc located behind the motor switch on the motor shaft.

Side View of Motor



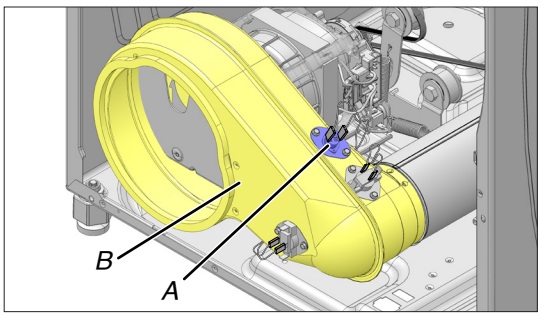
A. *Motor Switch*
B. *Brown Disc Switch Actuator*

NOTE: The brown disc actuates the lever of the motor switch when the motor is at rest. At optimum motor speed, the disc moves away from the switch lever. When the disc is pressed in toward the windings,the actuator arm of the centrifugal switch will be relaxed. This allows the contacts to close, completing the heater circuit.

8. If no continuity is found when the disc is depressed, change the centrifugal switch.

Thermal Fuse

1. Unplug dryer or disconnect power.
2. Turn off gas supply to dryer.
3. Disconnect the wires from the thermal fuse.
4. Remove the thermal fuse.
5. Set the ohmmeter to the R X 1 scale.
6. Set digital ohmmeters to lowest scale.
7. Touch one ohmmeter test lead to the thermal fuse terminals. The meter should indicate continuity (0 Ω). If the meter indicates an open circuit (infinite Ω), replace the thermal fuse.



A. *Thermal Fuse 196°F (91°C)*
B. *Blower Housing*

For Service Technician Use Only

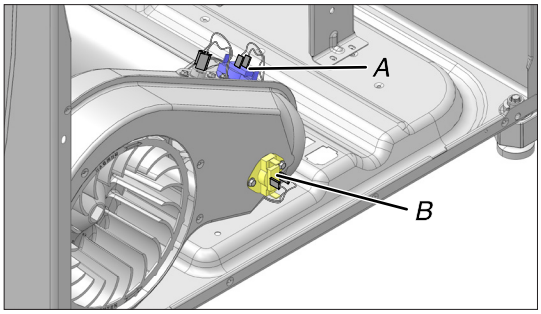
The thermal fuse is wired in series with the drive motor. If the thermal fuse opens, 196°F (91°C), power to the motor is turned off. The centrifugal switch on the motor opens the gas valve coil circuit or electric element circuit.

Once the thermal fuse has opened, it will not reset, and must be replaced. Check for a failed operating thermostat, a shorted heater element or blocked exhaust.

Operating Thermostats

The operating thermostats monitor the exhaust temperature. Changes in the exhaust temperature cause the operating thermostat to turn on and off maintaining the selected temperature.

1. Ensure that the dryer is empty and that the lint screen is clean.
2. Close the dryer door and turn the dryer on.
3. The operating thermostats should cycle off between 150°F (65.56ºC) and 155°F (68.33ºC) If the operating thermostat is open below this temperature, replace the thermostat. If the operating thermostat does not open at the described temperature, replace the thermostat.
4. Hold a thermometer capable of reading from 90°F to 180°F (32°C to 82°C) in the center of the exhaust outlet. Measure the exhaust temperatures with the heater on and off. The correct exhaust cut-off temperatures for the various settings are shown in the following illustration.



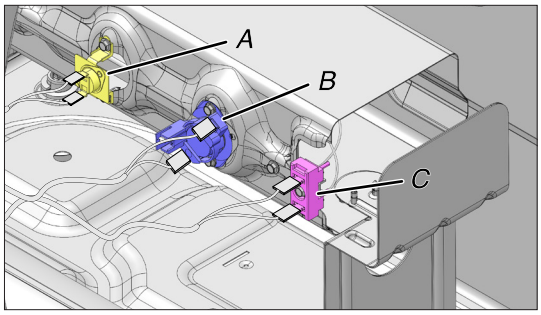
A. *High Temperature Operating Thermostat*
B. *Low Temperature Operating Thermostat*

5. If the exhaust temperature is not reached, replace the operating thermostat.

Exhaust Temperatures		
Fabric Setting	**Heat Turns Off**	**Heat Turns On**
Whites and Colors	155°F ± 5°F (68°C ± 3°C)	10°F - 15°F (6°C - 8°C) Below the heat turn off temperature
Permanent Press	155°F ± 5°F (68°C ± 3°C)	
Delicates	140°F ± 5°F (60°C ± 3°C)	

High Temperature Cutout (Electric Dryers only)

The high temp cutout is a non resettable device. The cutout temperature is 352°F (178°C).



A. *High Temperature Cutout*
B. *High Temperature Thermostat*
C. *Heater Coil*

If the dryer does not heat and there is 240 VAC to the dryer, perform the following test.

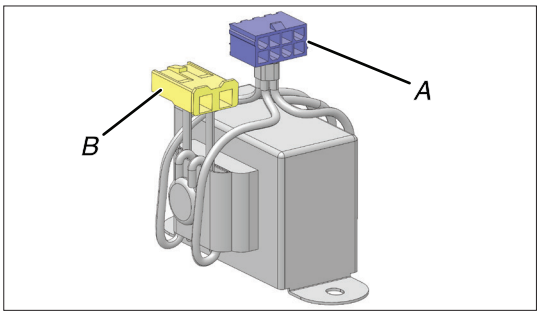
1. Unplug dryer or disconnect power.
2. Disconnect the wires from the high temp cutout.
3. Set the ohmmeter to the R X 1 scale.
4. Set digital ohmmeters to lowest scale.
5. Touch the ohmmeter test leads to the high temp cutout terminals. The meter should indicate continuity (0 Ω). If the meter indicates an open circuit (infinite Ω), replace both the high temperature cutout and the high temperature thermostat. In addition, check for a failed heater element, or a blocked, or improper exhaust system.

NOTE: Dryers that have poor ventilation and exhibit higher than normal venting back-pressure, can begin cycling the heater with the high temperature thermostat rather than the Operating Thermostat. When this occurs poor drying or long dry times are usually the result.

For Service Technician Use Only

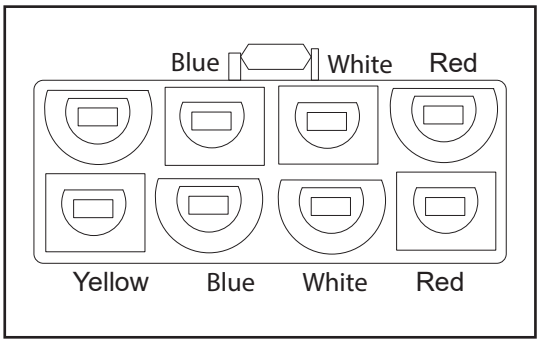
Transformer

1. Unplug dryer or disconnect power.
2. Turn off gas supply to dryer.
3. Remove the transformer.



A. *Secondary 8-Pin Connector*
B. *Primary 2-Pin Connector*

4. Set the ohmmeter to the R X 1 scale.
5. Set digital ohmmeter to lowest scale.
6. Touch the meter test leads to the following terminals in transformer secondary 8-pin connector. (Shown below)



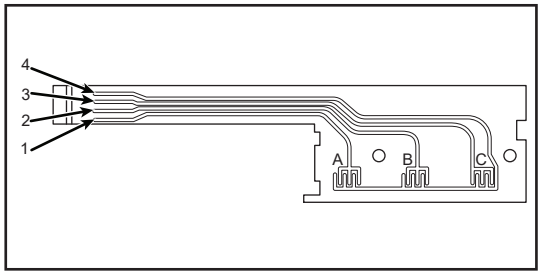
Red to Red = 28.5 VAC and 11 Ω
White to White = 22.5 VAC and 1.6 Ω
Blue to Blue = 5 VAC and 0.3 Ω
Yellow to Blue = 2.5 VAC and 0.1 Ω

7. Touch the meter test leads to the following terminals in transformer primary 2-pin connector.
   Black to Black = 120 VAC and 29 Ω.

User Interface Membrane Switch

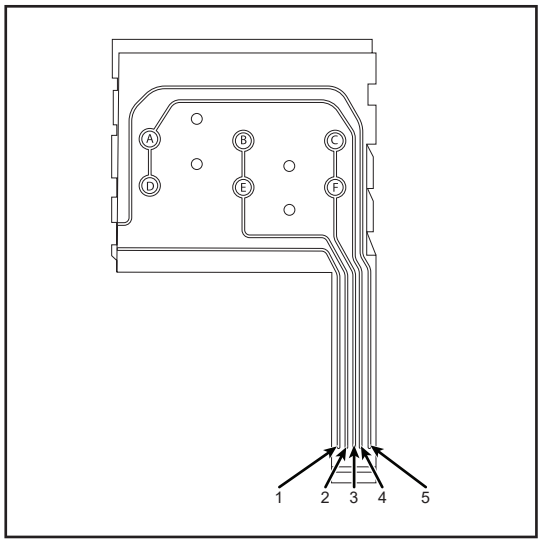
1. Unplug dryer or disconnect power.
2. Turn off gas supply to dryer.
3. Remove the user interface membrane switch.
4. Set the ohmmeter to the R X 1 scale.
5. Set digital ohmmeters to lowest scale.
6. Touch the ohmmeter test leads to the contacts listed. Press the button listed for each pair of contacts. The meter should indicate continuity (0 Ω). If the meter indicates an open circuit (infinite 0), replace the membrane switch.
7. Touch the meter test leads to the following terminals in transformer primary 2-pin connector.
   Black to Black = 120 VAC and 29 Ω.

3 button User Interface Membrane Switch



Contact	Contact	Button
1	4	A
2	4	B
3	4	C

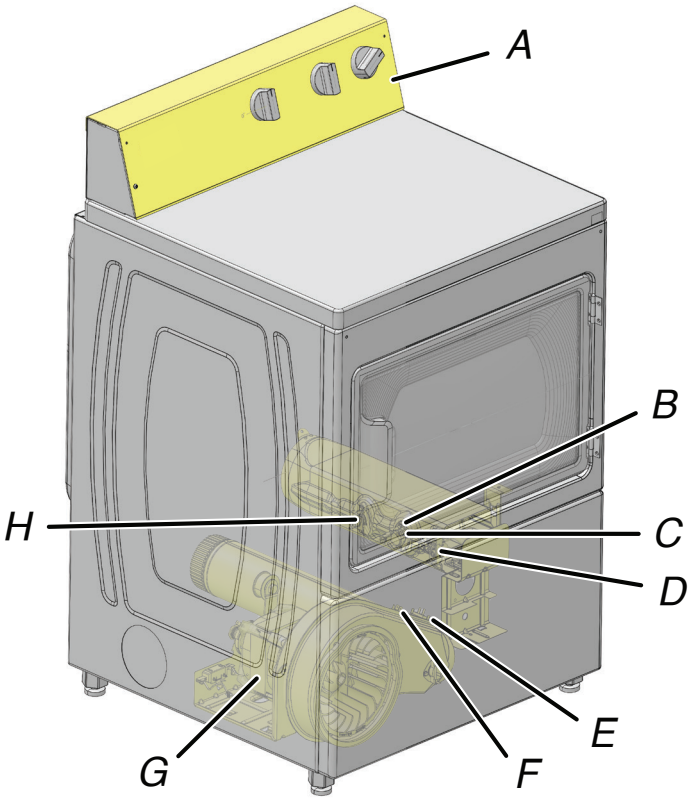
6 button User Interface Membrane Switch



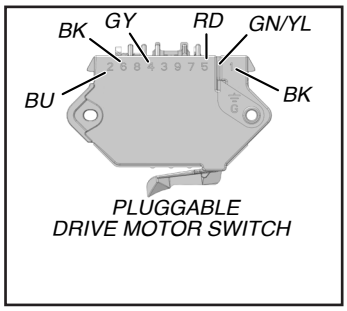
Contact	Contact	Button
4	5	A
2	5	B
3	5	C
4	1	D
2	1	E
3	1	F

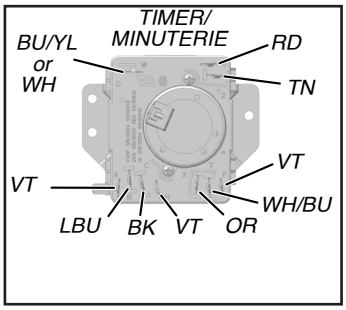
For Service Technician Use Only

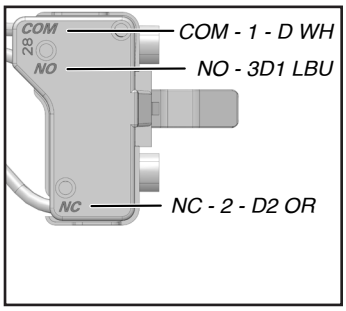
Component Location

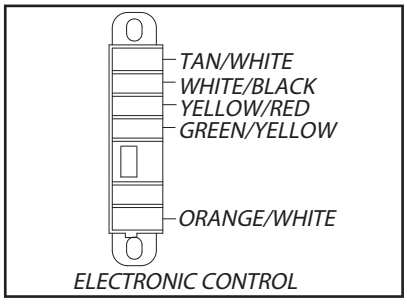


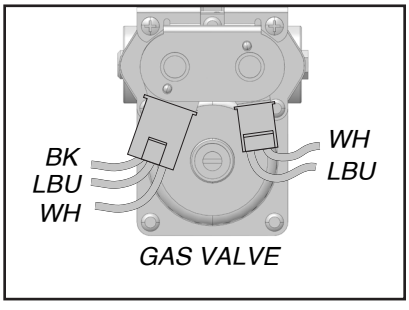
- **A.** *HMI*
- **B.** *High Limit Thermostat*
- **C.** *Inlet Thermistor(For Some Models)*
- **D.** *Heater Assembly*
- **E.** *Outlet Thermistor*
- **F.** *Thermal Fuse*
- **G.** *Motor Assembly*
- **H.** *Thermal Cut-Off*











Notes

Section 4: Component Access

This section provides service parts access, removal, and installation instructions for the “Maytag® 7.4 cu ft Commercial Grade Residential Dryer”.

- Components Accessible from Console
- Components Accessible under Top Panel
- Components Accessible from Front Panel
- Removal of Door and It's Component
- Removal of the Machine Components

Components Accessible from Console

Opening of Control Panel

⚠ WARNING

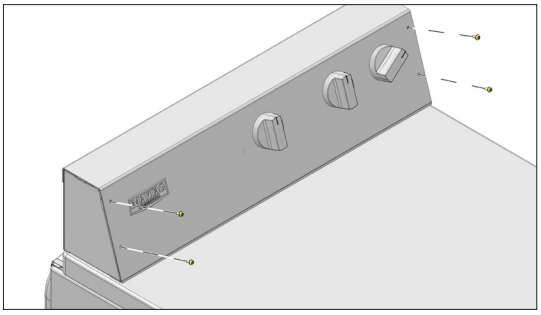
Electrical Shock Hazard

Disconnect power before servicing.

Replace all parts and panels before operating.

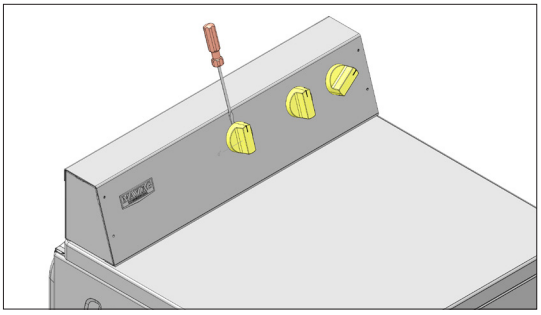
Failure to do so can result in death or electrical shock.

1. Unplug dryer or disconnect power.
2. Remove the four (4) TORX®† T20® security screws from the front of the fascia. To avoid damage, lay a towel, or another covering, on the dryer top and place the control panel, as well as removed hardware and tools, on the covering.

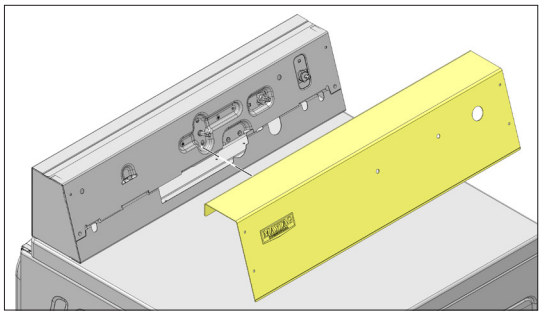


Removal of Fascia

3. Complete the steps 1-2 from the Opening of Control Panel.
4. Use a small flat blade screwdriver to remove all three (3) knobs.

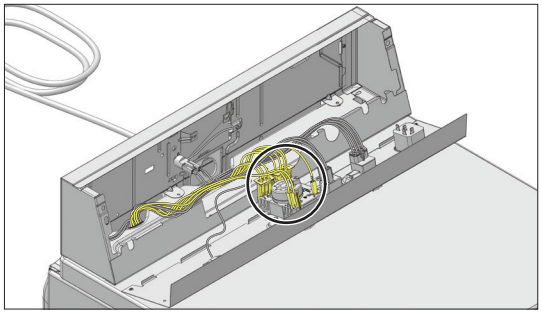


5. Remove fascia out from the front of the control panel.

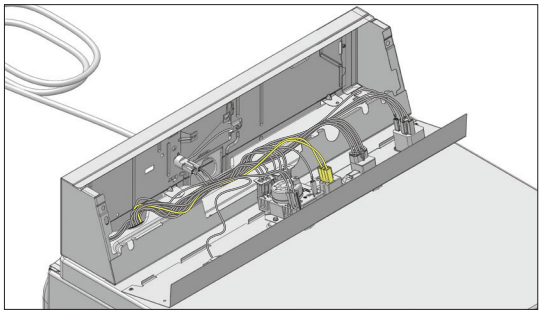


Removal of Control Panel

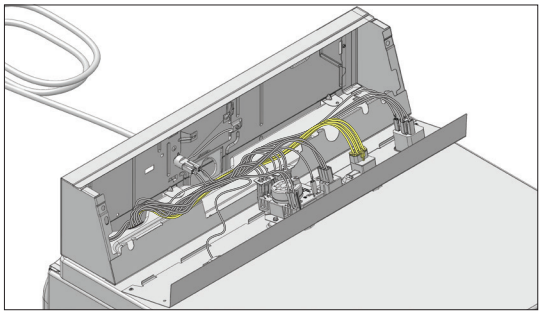
1. Complete the steps 1-2 from the Opening of Control Panel.
2. Disconnect seven (7) spade and three (3) single pin connectors from the timer assembly.



3. Disconnect two (2) spade connector from the buzzer.

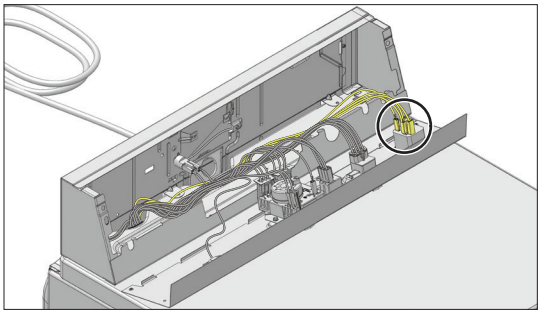


4. Disconnect six (6) spade connector from temperature switch.

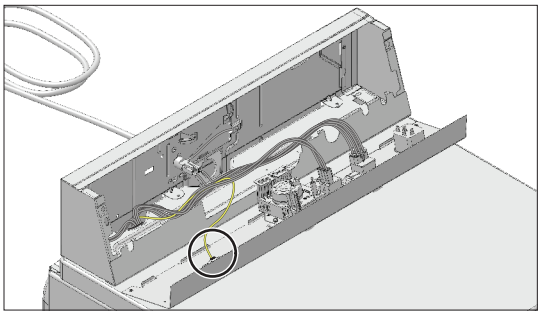


†Torx and T20 are trademarks of Acument Intellectual Properties , LLC.

5. Disconnect three (3) pin and single pin connector from push to start switch.

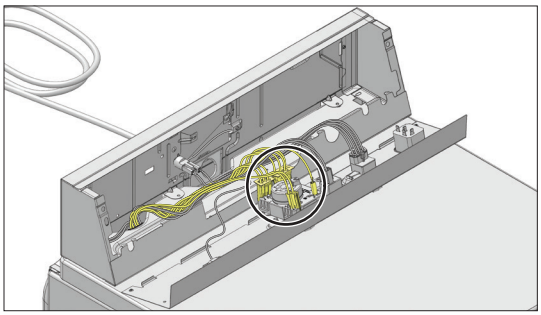


6. Disconnect the ground wire clip.

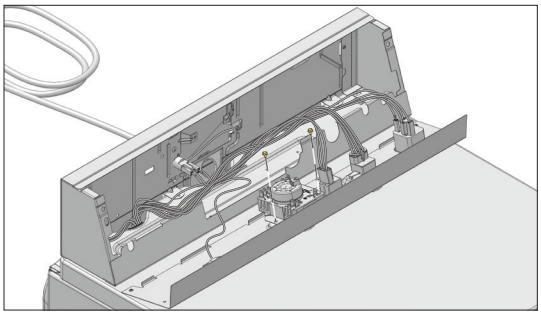


Removal of Timer Assembly

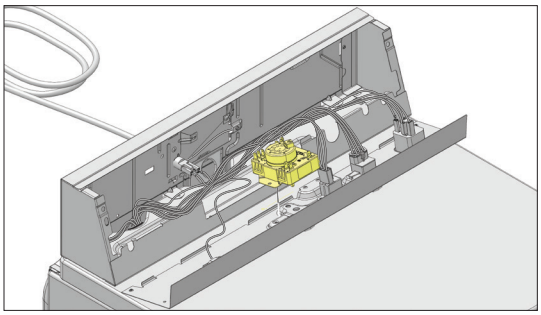
1. Complete the steps 3-5 from the Removal of Fascia.
2. Disconnect seven (7) spade and three (3) single pin connectors from the timer assembly.



3. Remove the two (2) screws from the back of the control panel.

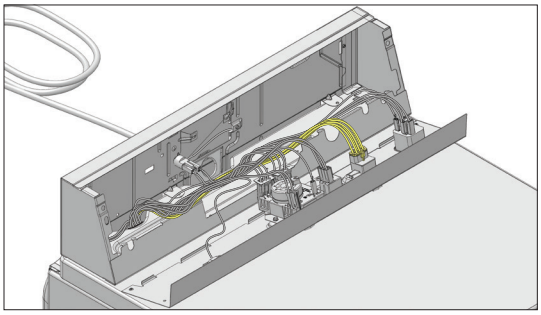


4. Remove the timer assembly from behind the control panel.

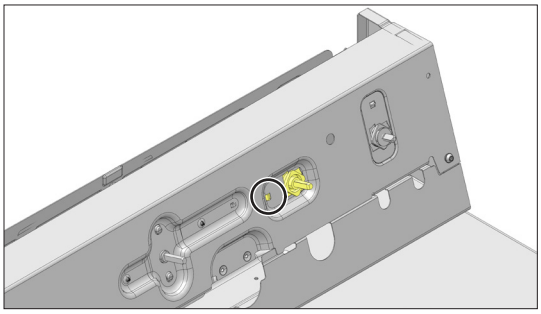


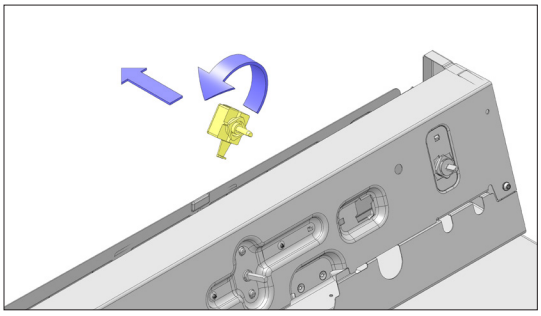
Removal of Temperature Switch

1. Complete the steps 3-5 from the Removal of Fascia.
2. Disconnect six (6) spade connector from temperature switch.



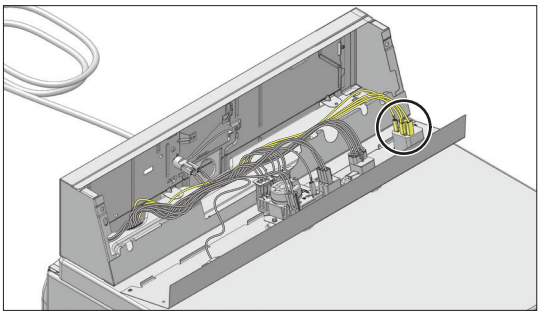
3. Remove the clip and then rotate to remove the temperature switch.



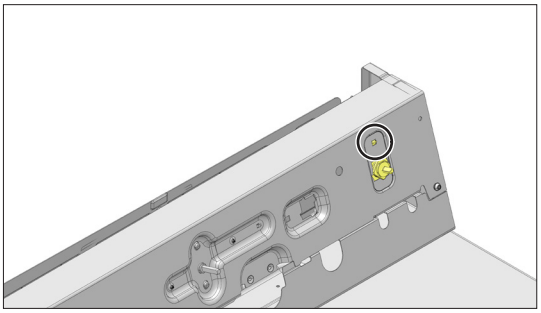


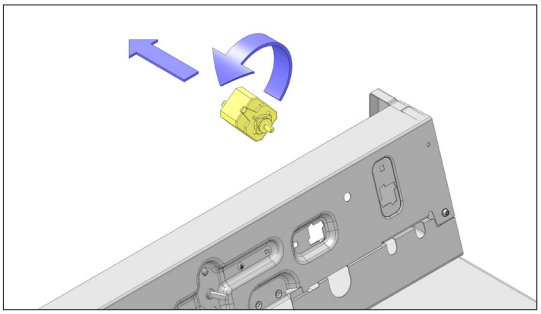
Removal of Push to Start Switch

1. Complete the steps 3-5 from the Removal of Fascia.
2. Disconnect three (3) pin and single pin connector from push to start switch.



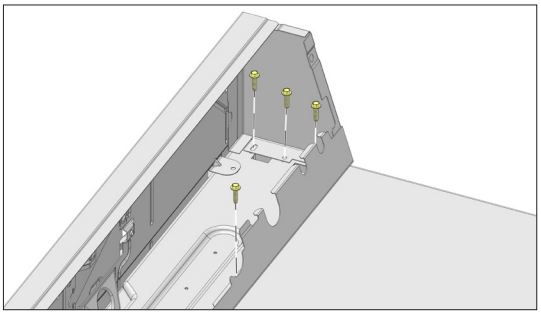
3. Remove the clip and then rotate the switch to remove the start switch.



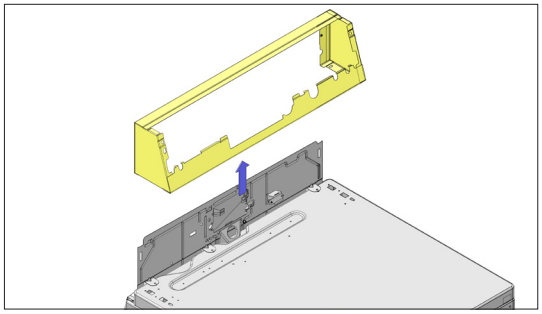


Remove of Control Cover

1. Complete the steps 1-2 from the Opening of Control Panel.
2. Remove the eight (8) 1/4" hex head screws that secure the control cover to the top of the dryer.
   NOTE: These screws are just sheet metal screws so do not over tighten them when reinstalling the control cover.



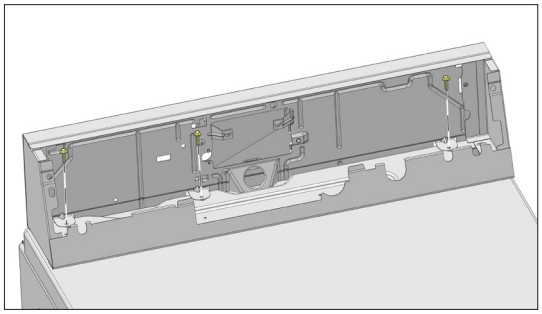
3. Lift the control cover off of the top of the dryer and pass the control panel through the control cover. Lay it on a covered surface.



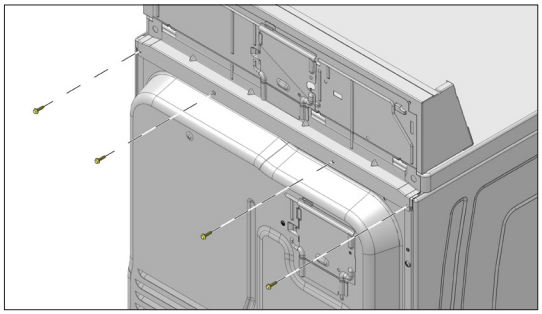
NOTE: No components need to be removed from control panel to accomplish removal of the control cover.

Removal of Rear Panel of the Control Cover

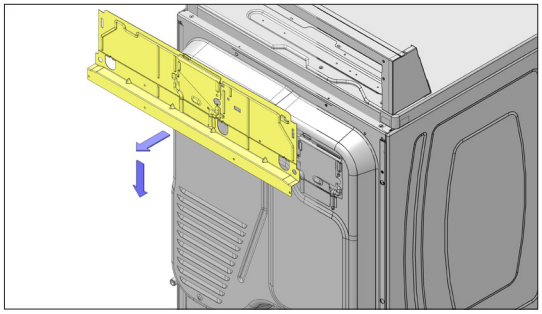
1. Complete the steps 1-2 from the Opening of Control Panel.
2. Remove three (3) screws that secure the tabs of the rear panel to the dryer top inside the console.



3. Remove four (4) screws from the back of the dryer that secure the rear panel to the back of the dryer.



4. Pull the bottom edge out and down to release the top edge of the control rear panel from inside the control cover.



Components Accessible under Top Panel

Removal of Top of the Dryer

⚠ WARNING

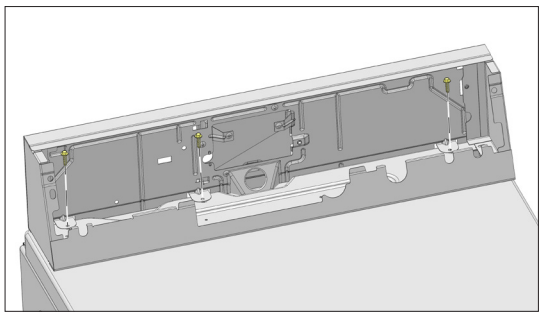
Electrical Shock Hazard

Disconnect power before servicing.

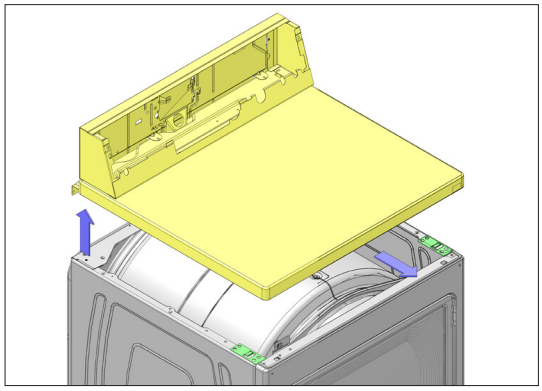
Replace all parts and panels before operating.

Failure to do so can result in death or electrical shock.

1. Complete the steps 1-2 from the Opening of Control Panel.
2. Remove three (3) 1/4" hex head screws from the back edge of the dryer top that secure the top to the back of the dryer.



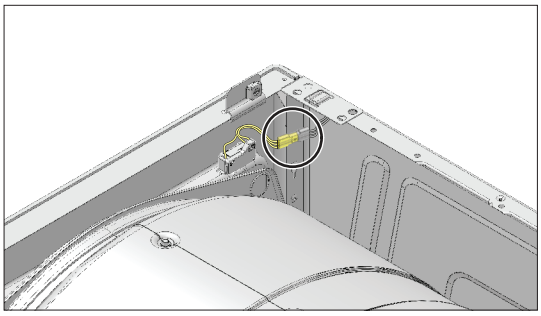
3. Lift up slightly on the rear of the top and slide the top forward to release four secure points, one in front on each side and one on the top edge at each end of the front panel.



TECH TIP: If the secure points are loosen then it can cause excess vibration.

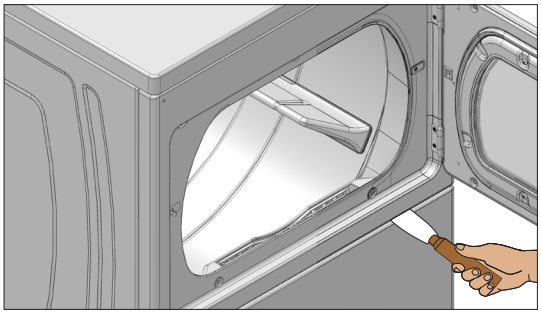
Disconnecting the Door Switch

1. Complete the steps 1-3 from the Removal of Top of the Dryer.
2. The door switch connector is located on the left side just below the top. Use a flat blade screwdriver to release the locking tab and pull the connector apart.

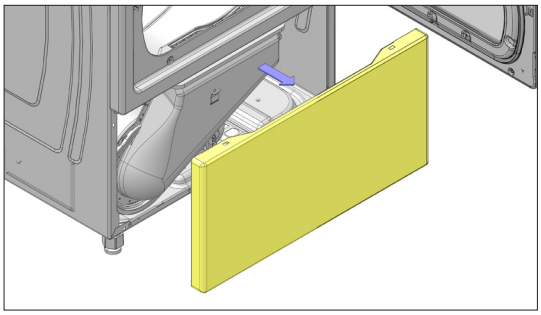


Removal of Lower Front Service Panel

1. Open the dryer door.
2. Insert a stiff putty knife or a thin flat blade screwdriver in the space between the front panel and the toe panel and then slide the tool until it contacts a clip, about 2" from each corner.



3. Press the clip down to release.
4. Repeat this procedure with the other clip.
5. Pull the panel forward and remove the panel.



Removal of Lint Filter Housing

1. Complete the steps 1-5 from the Removal of Lower Front Service Panel.
2. Remove two (2) 1/4" hex head screws as shown in figure 1. and then remove two (2) screws going into the blower housing, as shown in figure 2.
   NOTE: Screws going into the blower housing are brass and must be replaced in the same location, as shown in figure 2.

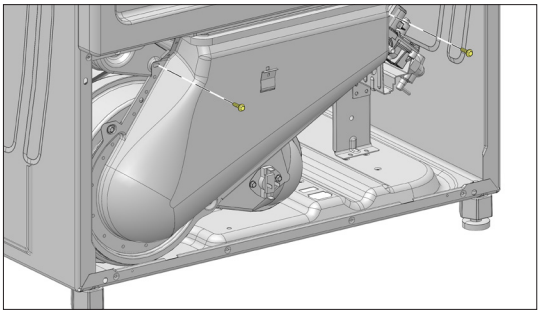


Figure 1

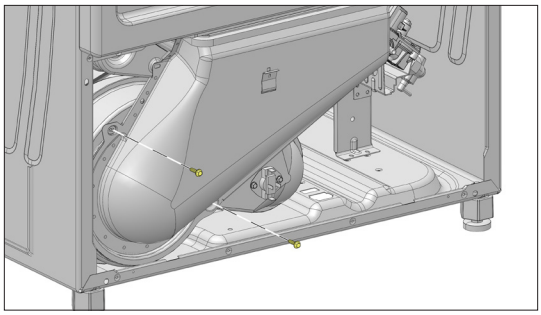
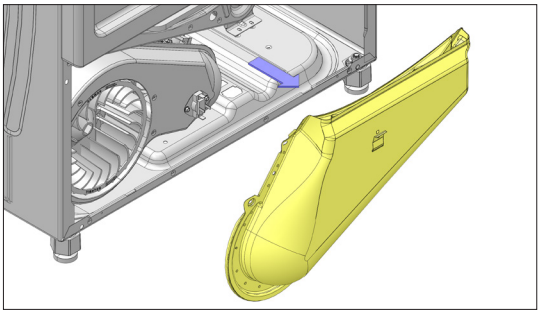


Figure 2

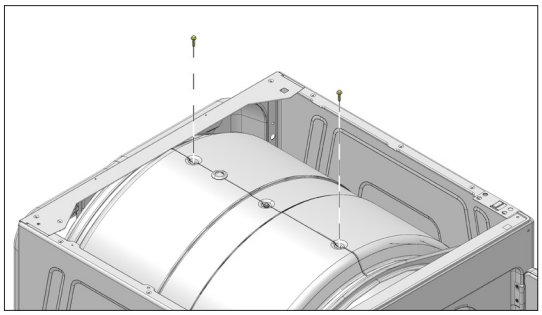
3. Pull the lint filter housing away from the dryer.



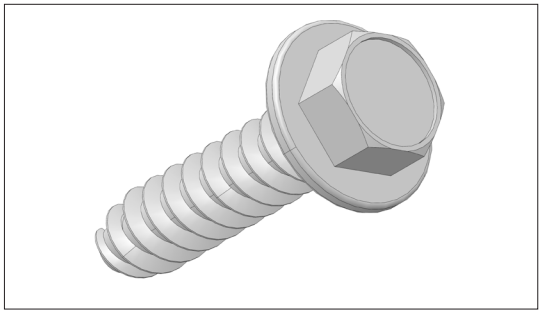
TECH TIP: Excess blower vibration may be reduced by loosening the top left brass screw in the lint filter housing up to two full turns. Ensure that the foam insulation blocks any gaps, add more foam insulation or aluminum duct tape to seal up any gaps.

Removal of Baffle

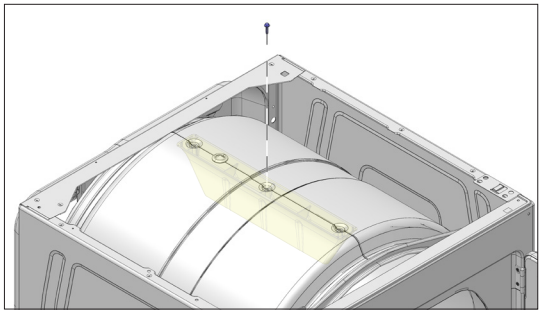
1. Complete the steps 1-3 from the Removal of Top of the Dryer.
2. Remove two (2) of the three (3) 1/4" hex head screws that secure the baffle to the drum.



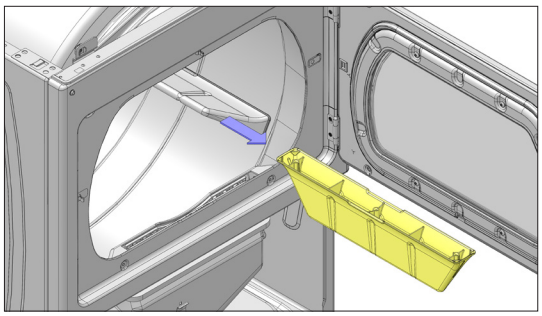
3. These screws have multiple thread depths that grab the plastic securely to help avoid the screws becoming loose from vibration.



4. Open the dryer door and hold the baffle with one hand while removing the third screw.



5. Remove the baffle from the dryer and replace if necessary.



Components Accessible from Front Panel

Removal of Dryer Front Panel

⚠ WARNING

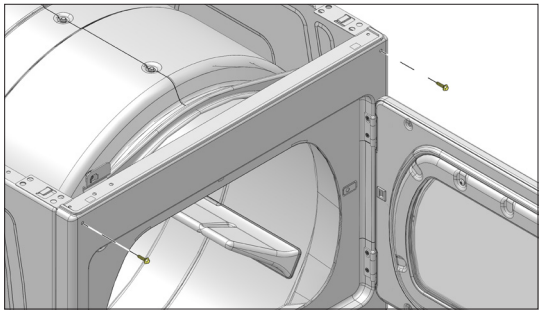
Electrical Shock Hazard

Disconnect power before servicing.

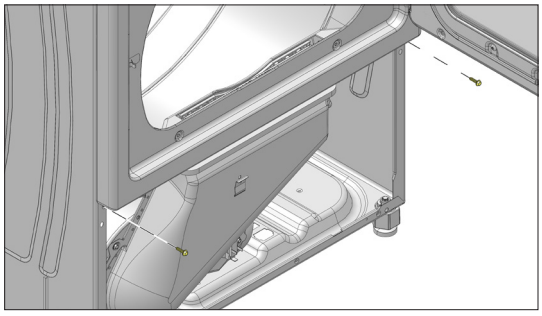
Replace all parts and panels before operating.

Failure to do so can result in death or electrical shock.

1. Complete the steps 1-3 from the Removal of Top of the Dryer.
2. Complete the steps 1-2 from the Disconnecting of Door Switch.
3. Complete the steps 1-5 from the Removal of Lower Front Service Panel.
4. Complete the steps 1-3 from the Removal of Lint Filter Housing.
5. Remove the two (2) T20 security screws from the top front corners. Ensure that the washers are on the screws when replacing them to protect the finish of the dryer.

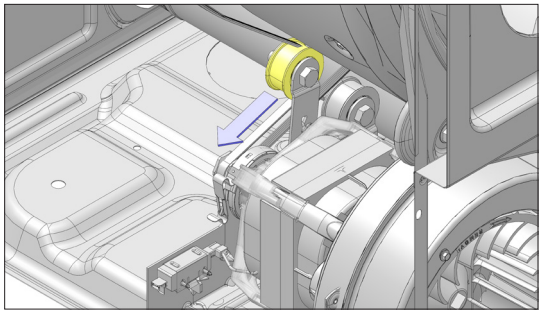


6. Remove the two (2) 1/4" hex head screws at the bottom right and left ends of the front panel that were hidden behind the lower front service panel and remove the front panel.

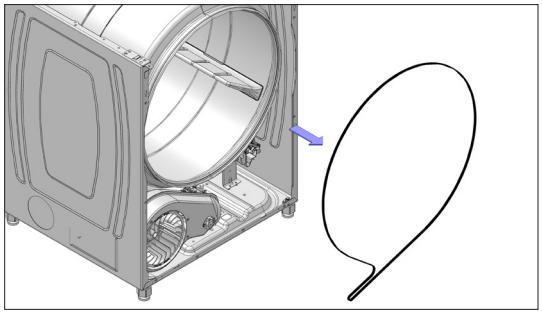


Removal of Dryer Drum

1. Complete the steps 1-6 from the Removal of Dryer Front Panel.
2. Reach in under the drum and lift the idler pulley to release tension on the belt.



3. Remove the belt from the idler pulley and the motor pulley, then remove the belt from the dryer.



NOTE: The belt is a five rib belt and not interchangeable with the household four rib belt. When reassembling the dryer ensure that the ribs of the belt are facing the drum.

4. The drum holes should be toward the front of the dryer for proper operation. If the drum is installed backward with the drum holes closer to the rear of the dryer then the belt will not ride on the correct part of the drum. The belt needs to ride in the recessed area of the drum commonly called the belly band.

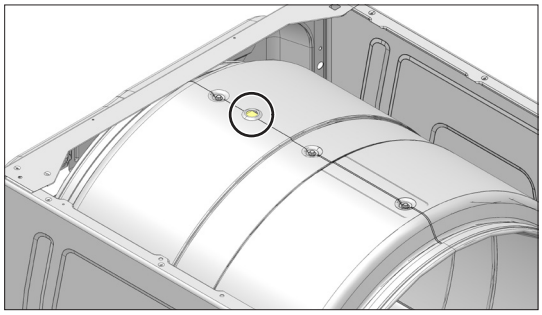
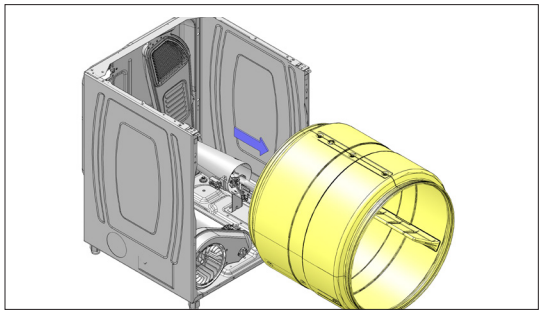


Figure 3

NOTE: Depending on the age of the dryer it may or may not have clips in the drum holes. See figure 3.

5. Lower the dryer top to avoid having it fall.

6. Grasp the drum and pull it out of the cabinet.



7. The front and rear drum seals are felt. They are glued into place. Watch for pins or other user items stuck in the felt when removing the drum.

Removal of Door and It's Components

Removal of Dryer Door

⚠ WARNING

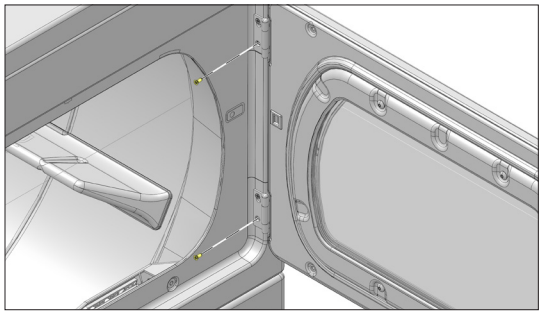
Electrical Shock Hazard

Disconnect power before servicing.

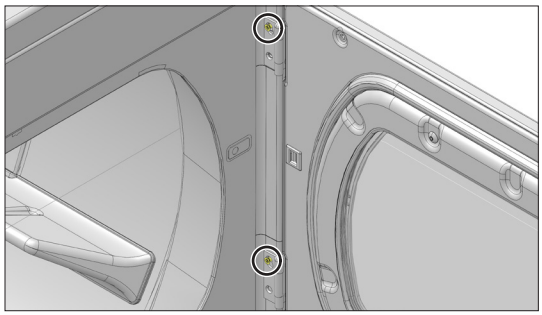
Replace all parts and panels before operating.

Failure to do so can result in death or electrical shock.

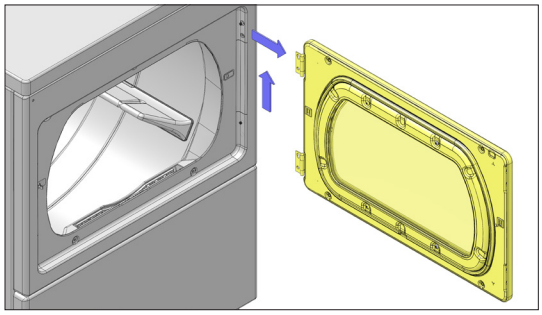
1. Disconnect the power from dryer.
2. Remove the bottom Phillips head screws from each hinge that secures the door to the front panel frame.



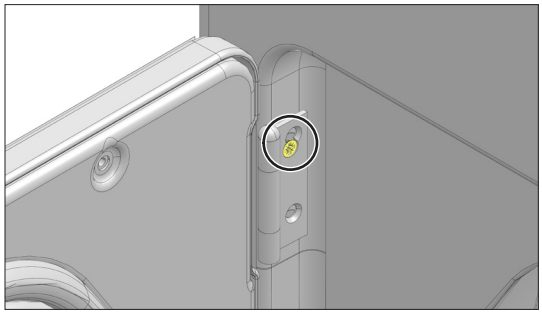
3. Loosen the top Phillips head screws from each hinge that secure the door to the front panel frame.



4. Lift the door and remove it from the dryer.

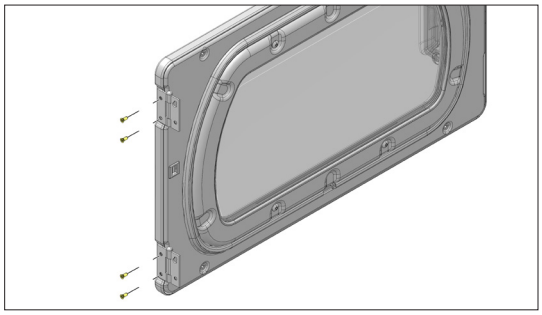


5. If the door has been reversed the showman holes will be in the lower position and will require that the door be supported when the screws are loosened.

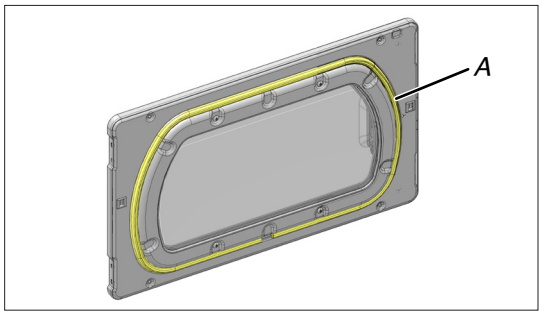


Removal of Hinge and Door Seal

1. To remove a hinge, remove the remaining two (2) Phillips head screws from each hinge.



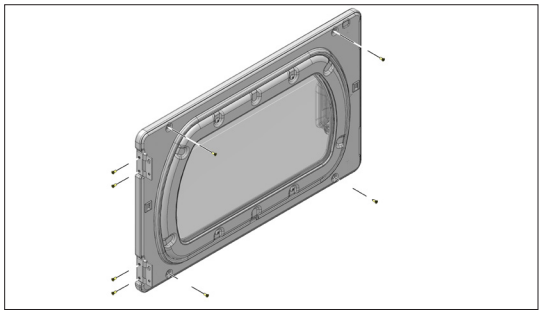
2. The door of the dryer has a rubberized seal around the inside edge that seals around the opening of the dryer. The seal is glued into place. If it needs to be replaced then remove the old seal and glue a new seal into place.



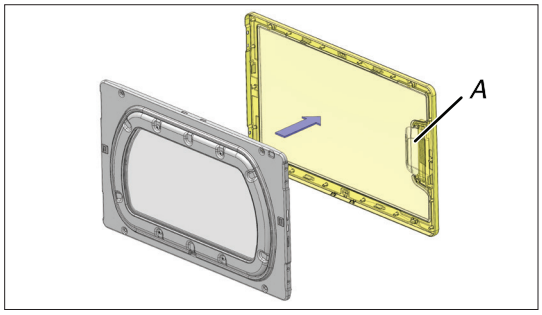
A. *Rubberized seal*

Disassembling of Door

1. The door can be disassembled by removing the four (4) Phillips head screws around the each edge of the door and then remove two (2) from each of the door hinge to separate the door into two halves.

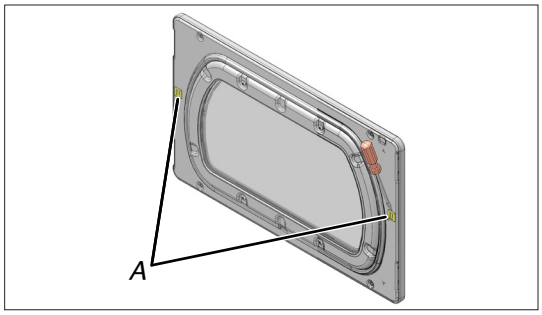


2. The door handle can be replaced by separating the two halves of the dryer door and changing the handle.

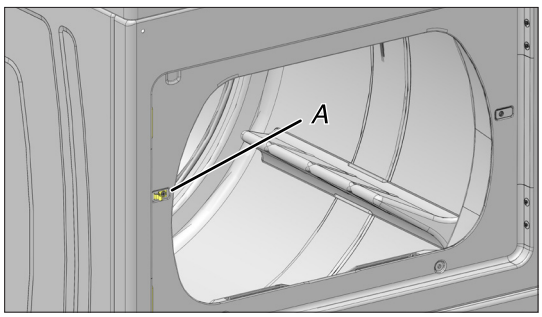


A. *Door Handle*

3. The door catch and door strike are press fitted into slots. Remove the catch by prying it out with a flat blade screwdriver and pressing the new one into place.



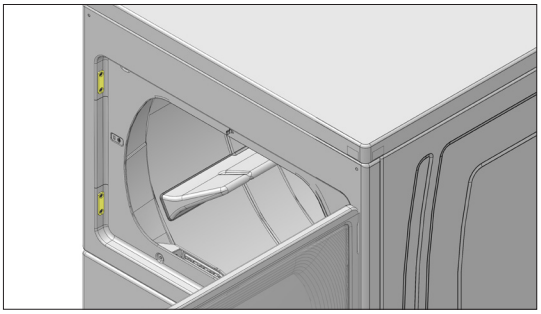
A. *Door Catch*



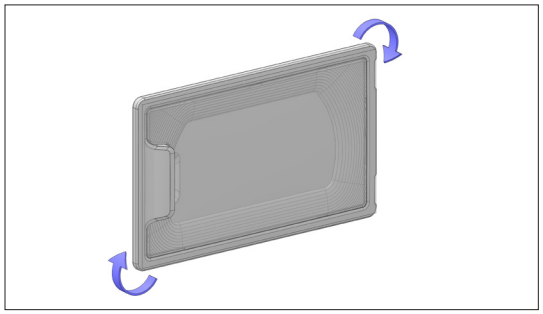
A. *Door Strike*

Reversing of Dryer Door

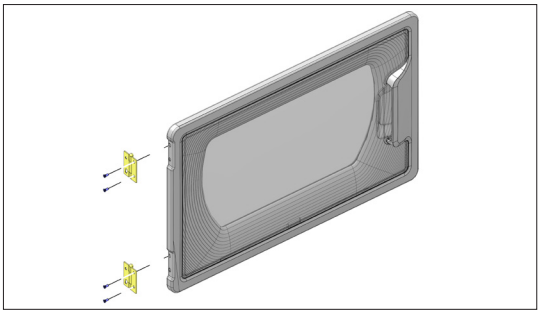
1. Dryer models produced after January 1, 2009 should have reversible doors. To know if the doors are reversible, look for the white plastic blanks at the non-hinged side of the door as shown here.



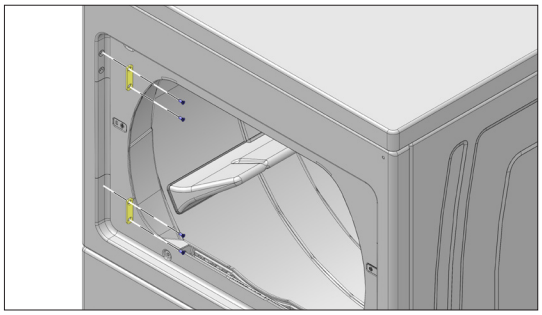
2. Complete the steps 1-5 from the Removal of Dryer Door.
3. Complete the steps 1-3 from the Disassembling of Dryer Door.
4. Rotate the front panel 180 degrees.



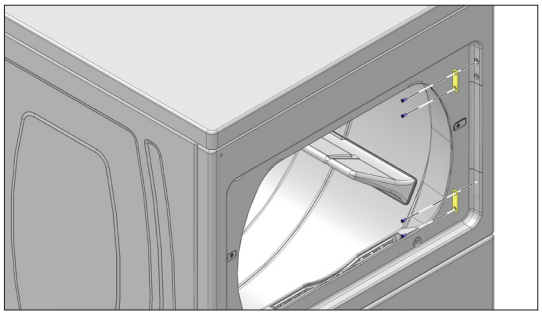
5. Reassemble the door with the hinges on the opposite end of the door.



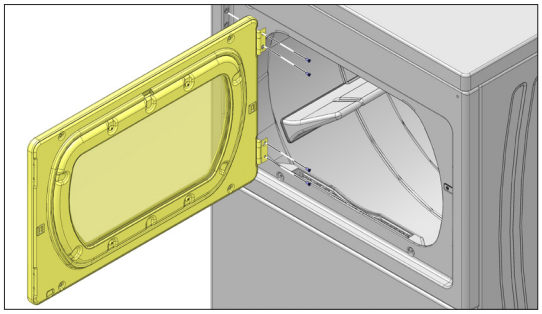
6. Remove the two (2) hinge hole covers from the front panel frame by removing two (2) Phillips head screws from each cover.



7. Install these covers over the hinge holes on the opposite side of the front panel frame.



8. Attach the door again to the dryer with the door swing in the opposite direction.



Removal of the Machine Components

Removal of Lint Filter and Outlet Grill

⚠ WARNING

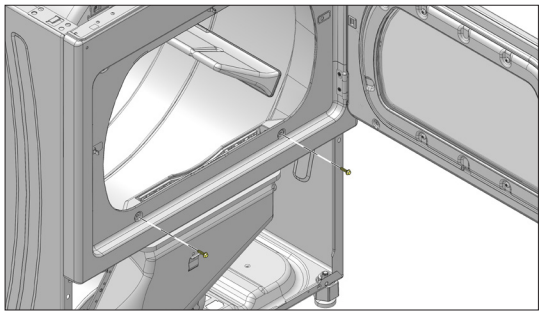
Electrical Shock Hazard

Disconnect power before servicing.

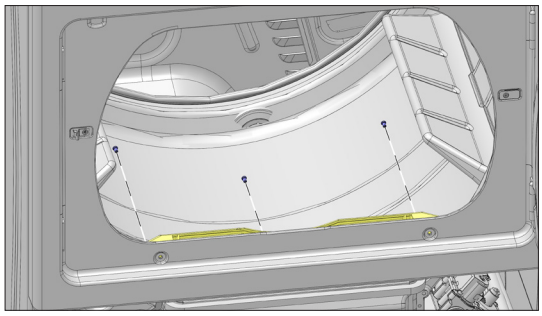
Replace all parts and panels before operating.

Failure to do so can result in death or electrical shock.

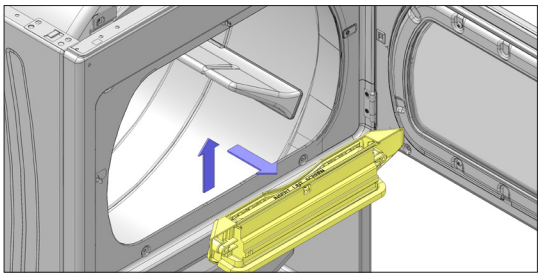
1. Open the dryer door and complete the steps 1-5 from the Removal of Lower Front Service Panel.
2. Remove two (2) Phillips head screws below the dryer door opening.



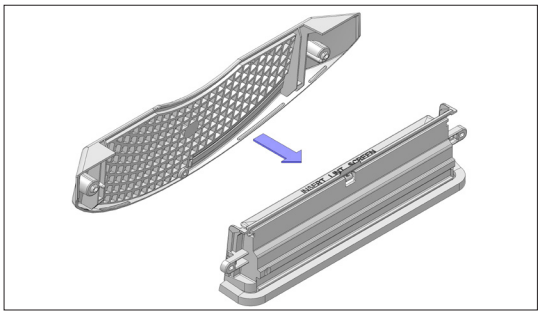
3. Remove three (3) Phillips head screws from the inside of the dryer to remove the outlet grill. The middle lower screw is smaller than the other two (2) screws.



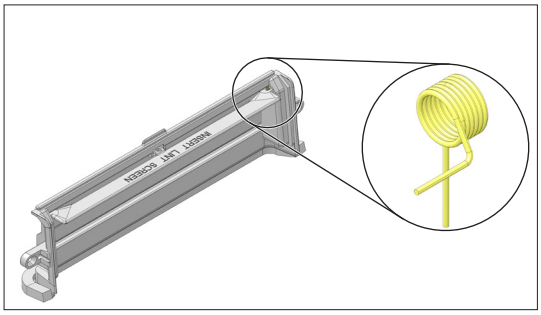
4. After removing the outlet grill, the filter housing can be removed by pulling it out of the mounting slots in the front panel toward the inside of the dryer.



5. Separate the two halves of the outlet grill by pulling them apart.



6. The lint filter door has a spring on one end of the door that keeps it closed when filter is not in place.



Removal of Blower Wheel

1. Complete the steps 1-7 from the Removal of Dryer Drum.
2. Remove the dryer drum.
3. Place a 7/8" wrench on the motor belt pulley.
4. Use a 1/2" ratchet extension bar to turn the blower wheel clockwise to remove it as shown in figure 4. The blower wheel has arrows and words to show the correct direction to turn the wheel to remove or tighten it as shown in figure 5.

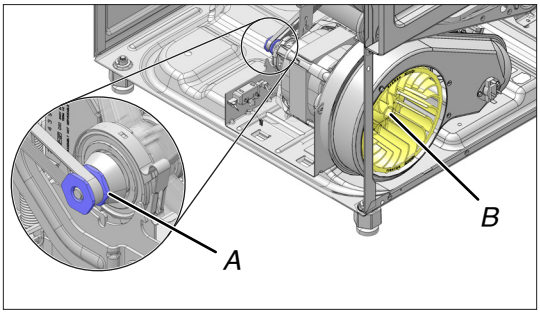


Figure 4
A. *Motor Belt Pulley*
B. *Blower Wheel*

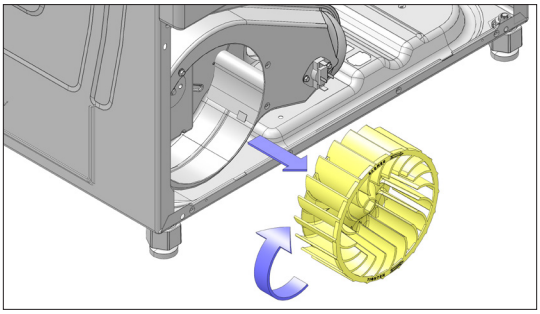
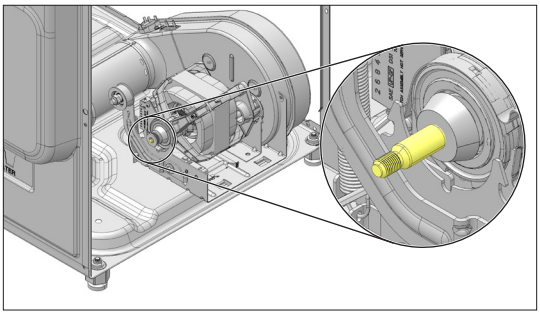


Figure 5

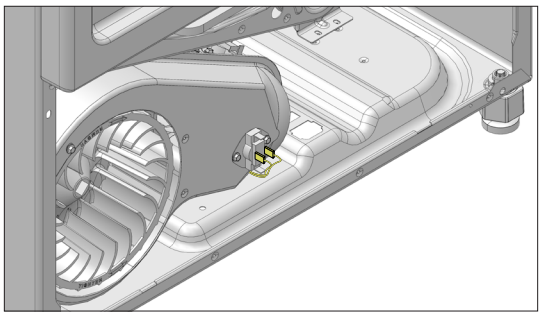
5. To remove the blower wheel when the speed increaser belt is broken, slipping or missing, a thin 7/16" open end wrench will be needed to secure the speed increaser shaft on its flat spot, in lieu of securing the motor pulley.



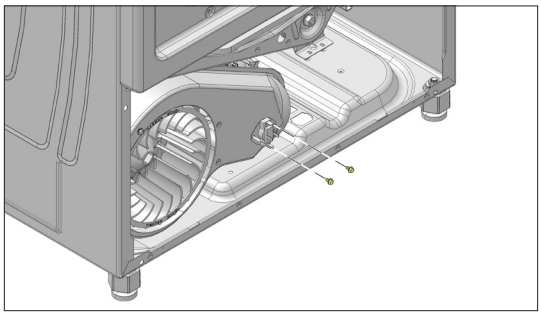
TECH TIP: When removing the blower wheel, move the 1/2" extension bar in a quick jerking motion rather than applying slow pressure, to help avoid rounding of the center hole of the blower wheel, which could stress and crack the blower wheel.

Removal of Low Temperature Operating Thermostat

1. Complete the steps 1-5 from the Removal of Lower Front Service Panel.
2. Remove two (2) wire connectors from the thermostat.

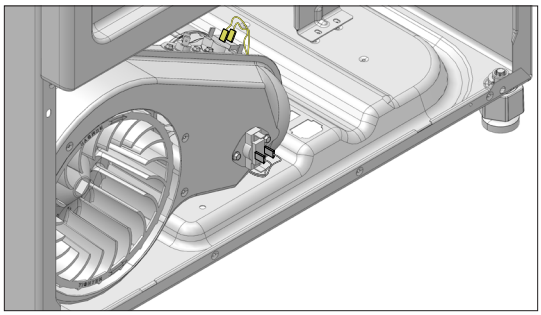


3. Remove two (2) 1/4" hex head screws and secure the low temperature thermostat from blower housing.
NOTE: Screws are very short so as not to protrude into the blower housing where they could catch lint.

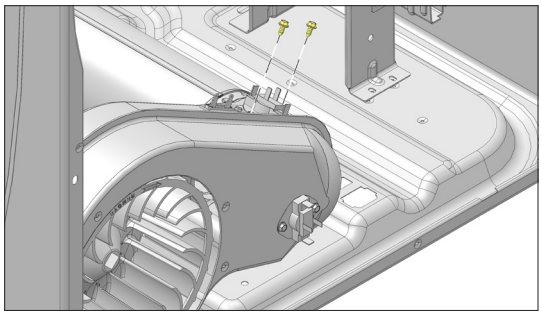


Removal of High Temperature Operating Thermostat

1. Complete the steps 1-5 from the Removal of Lower Front Service Panel.
2. Remove two (2) wire connectors from the thermostat.

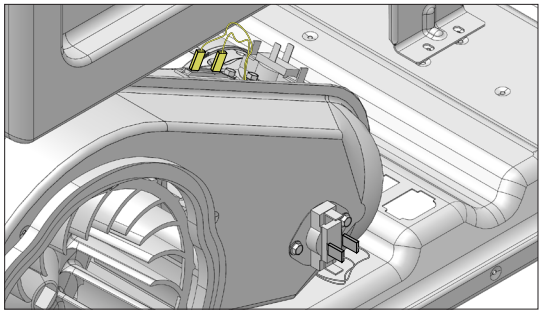


3. Remove two (2) 1/4" hex head screws and secure the high temperature thermostat from the blower housing.
NOTE: Screws are very short so as not to protrude into the blower housing where they could catch lint.

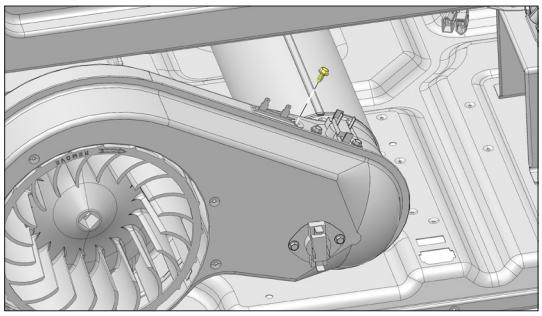


Removal of Thermal Fuse

1. Complete the steps 1-5 from the Removal of Lower Front Service Panel.
2. Remove two (2) wire connectors from the thermal fuse.



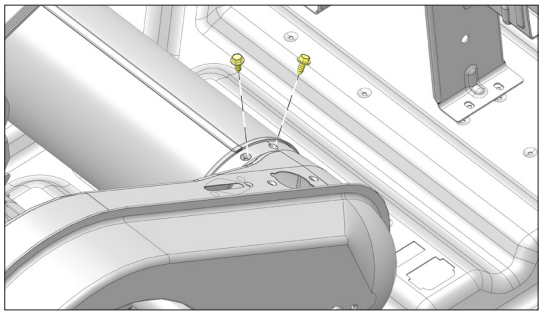
3. Remove one 1/4" hex head screw, lift and slide to release the hook from the other end that secure the thermal fuse to the blower housing.



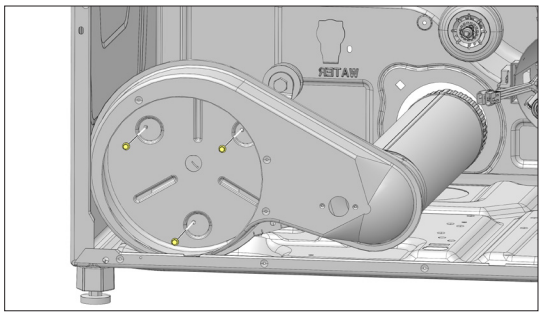
NOTE: The thermal fuse is non resettable.

Removal of Blower Housing

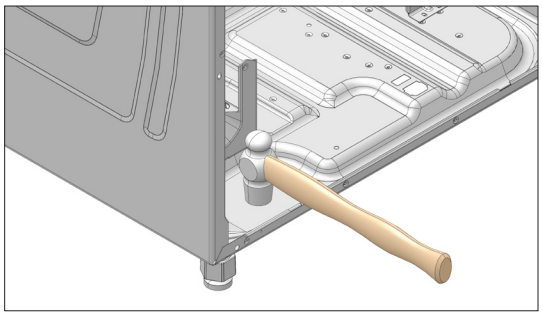
1. Complete the steps 1-5 from the Removal of Lower Front Service Panel.
2. Open the dryer door and complete the steps 1-6 from the Removal of Lint Filter and Outlet Grill.
3. Complete the steps 1-3 from the Removal of Lint Filter Housing.
4. Complete the steps 1-5 from the Removal of Blower Wheel.
5. Complete the steps 1-3 from the Removal of Low Temperature Operating Thermostat.
6. Complete the steps 1-3 from the Removal of High Temperature Operating Thermostat.
7. Remove the two (2) short 1/4" hex head screw that secures the blower housing to the exhaust duct.



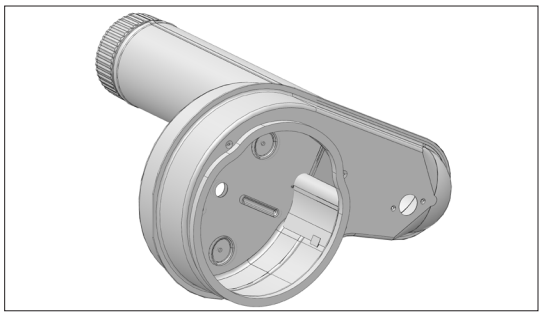
8. Remove three (3) 1/4" hex head screws from inside the blower housing that secure it to the motor bracket.



TECH TIP: Excess vibration and noise can be caused by the blower housing coming in contact with the base of the dryer cabinet. Using an appliance dolly or hand truck on the motor side or front of the dryer during transportation or installation of an uncrated dryer can bend the dryer base enough to create this contact. To reduce excess vibration, reshape the base of the dryer with a hammer in the area that the blower housing is located and contacts or comes too close to the base.

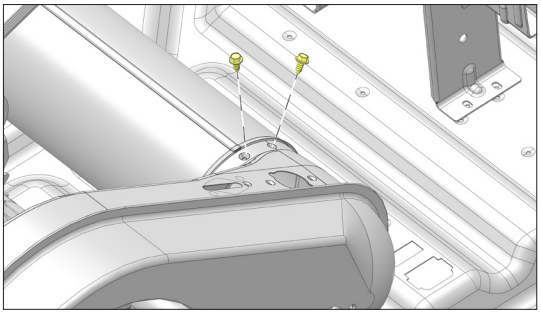


TECH TIP: The back of the blower housing may contact the blower wheel causing it to drag if the blower housing has the tendency to "oil can", inward toward the blower wheel. To fix this situation, remove the blower housing. Use the handle of a hammer to tap the back of the blower housing outward so that when it is forced to oil can it will want to return to the outward position.

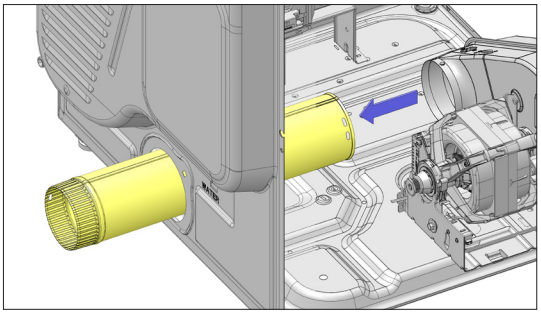


Removal of Exhaust Duct

1. Complete the steps 1-3 from the Removal of Lint Filter Housing.
2. Remove the two (2) 1/4" hex head screw on the front top of the duct.



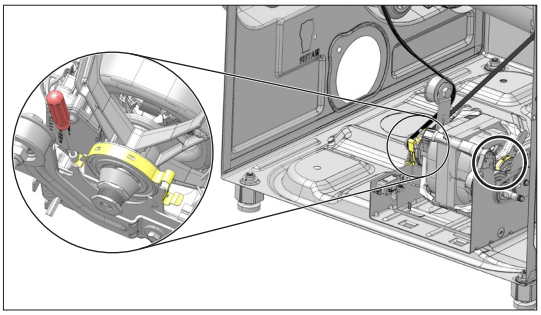
3. Push the duct towards the rear of the dryer and off the blower housing then lift the duct up and out.



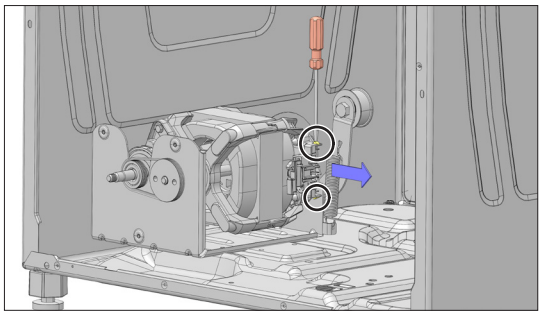
NOTE: Both procedures can be done with the drum and blower installed.

Removal of Dryer Motor

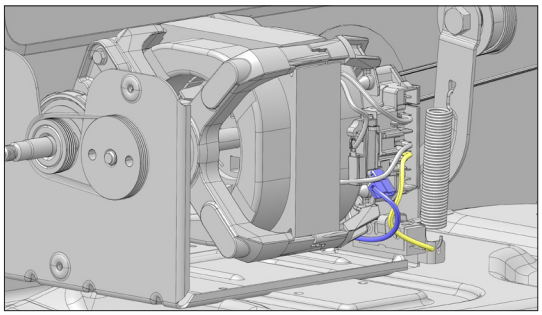
1. Complete the steps 1-7 from the Removal of Dryer Drum.
2. Complete the steps 1-5 from the Removal of Blower Wheel.
3. Remove the motor bracket clips by placing a nut driver on the end tip of the clip and pressing down and toward the motor until the clip pops off the hook of the bracket.



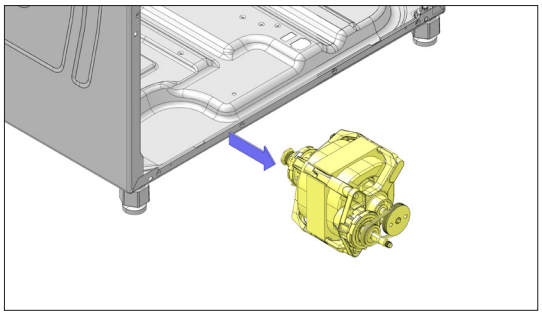
4. Remove the clips.
5. Remove the motor wire harness by lifting the locking tab with a flat blade screwdriver and pulling the plug off of the motor connector.



6. Remove the two (2) blue wires that go to the broken belt switch.

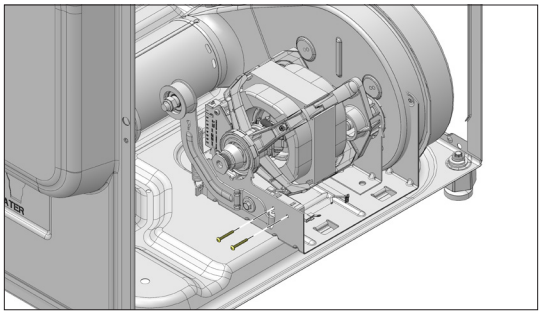


7. Lift the motor out of the cabinet with the speed increaser.

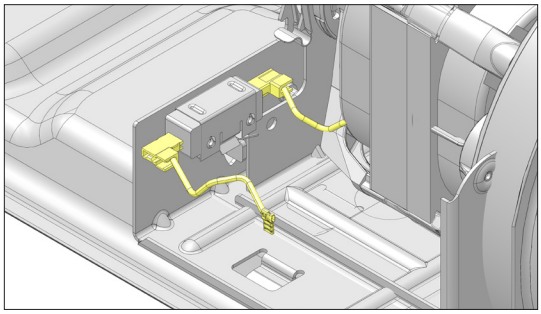


Removal of Broken Belt Switch

1. Complete the steps 1-7 from the Removal of Dryer Drum.
2. Remove two (2) Phillips head screws from the back of the motor bracket.

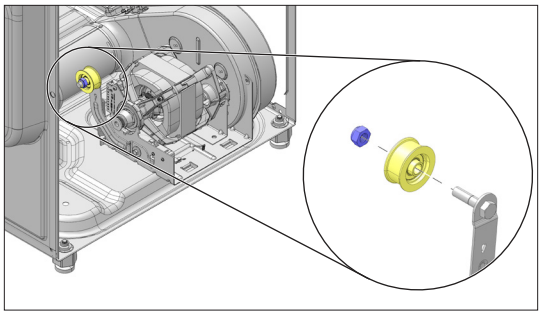


3. Remove the two (2) wire connectors and remove the switch.



Removal of Idler Pulley Wheel

1. Complete the steps 1-7 from the Removal of Dryer Drum.
2. Gently pry the pulley off the idler pulley shaft.

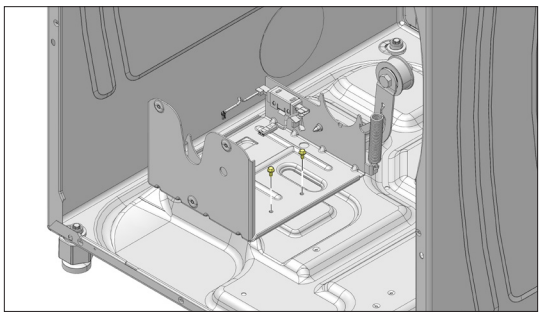


3. Slide the wheel off of the shaft.

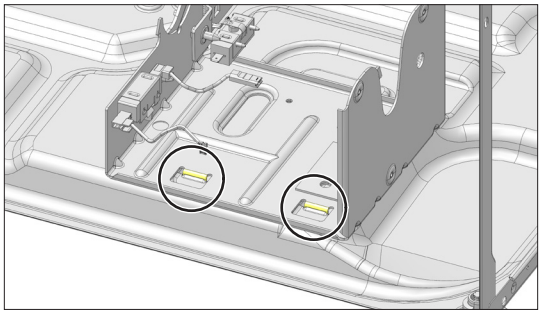
   NOTE: Do not lubricate the pulley or the shaft.

Removal of Motor Bracket

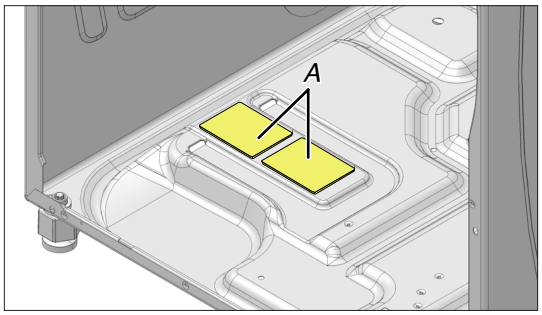
1. Complete the steps 1-7 from the Removal of Dryer Motor.
2. Remove two (2) 1/4" hex head screws that secure the bracket to the base of the dryer.



3. Lift the bracket to remove the two (2) tabs that pass through the dryer base and remove the bracket from the dryer.



TECH TIP: To reduce excess vibration transferred from the motor bracket to the cabinet, place anti-vibration pads, if they are missing, under the motor bracket.

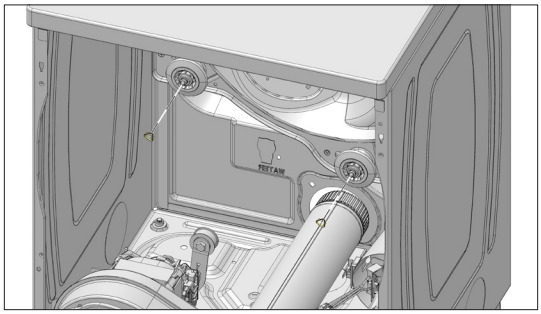


A. *Anti-Vibration Pads*

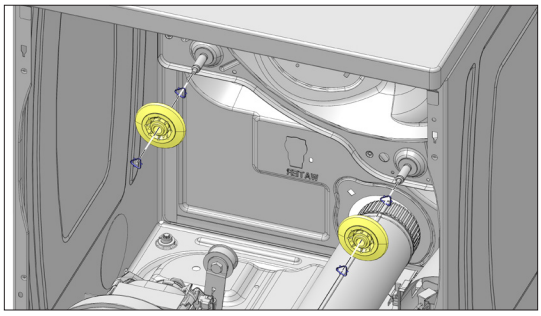
4. Install two (2) pads if possible, or if only one is available then center it below the bracket.

Removal of Drum Rear Support Rollers

1. Complete the steps 1-7 from the Removal of Dryer Drum.
2. Two (2) rear support rollers are mounted to the bulkhead on shafts. Remove the tri-clip from the shaft.



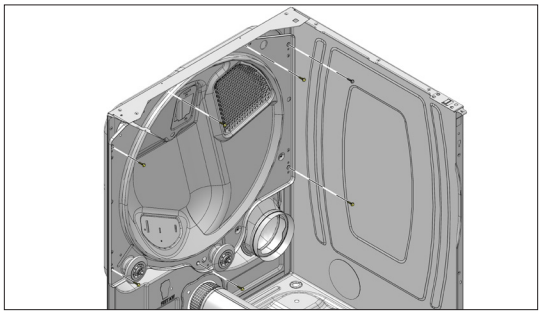
3. Slide the support roller off of the shaft.
4. There is another tri-clip behind the roller for proper positioning of the roller. When replacing a roller, always replace both tri-clips to ensure that the roller will stay in position while running.



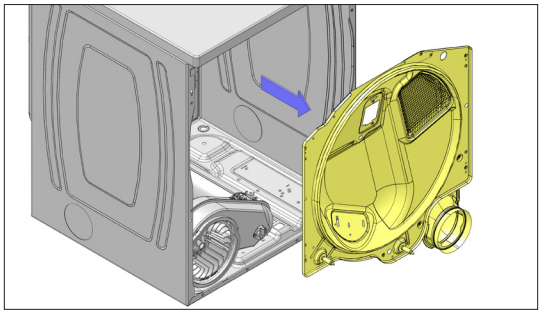
NOTE: Do not lubricate this wheel or shaft. Clean the shaft with fine steel wool to eliminate squeaks or replace worn roller supports.

Removal of Bulkhead

1. Complete the steps 1-7 from the Removal of Dryer Drum.
2. Remove seven (7) 1/4" hex head screws that secure the bulkhead to the cabinet.



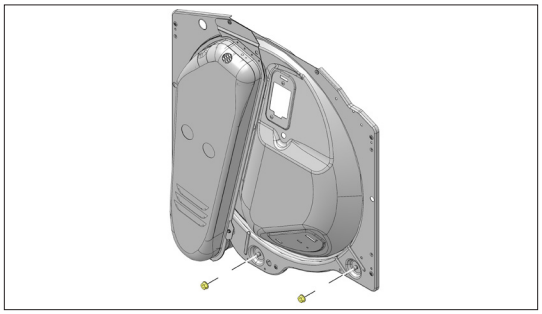
3. Pull the bulkhead out the front of the cabinet.



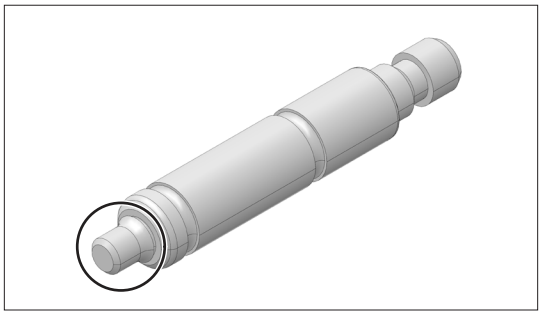
4. Turn the bulkhead over and set it on top of the cabinet.

Removal of Rear Support Roller Shaft

1. Complete the steps 1-4 from the Removal of Bulkhead.
2. The two (2) rear support rollers spin on shafts that are secured on the back of the bulkhead with a 9/16" nut. Care needs to be taken when removing the support roller shaft, as gripping the shaft with a vice grip or pliers may damage the bearing surface and cause noisy rollers and premature failure of roller supports.

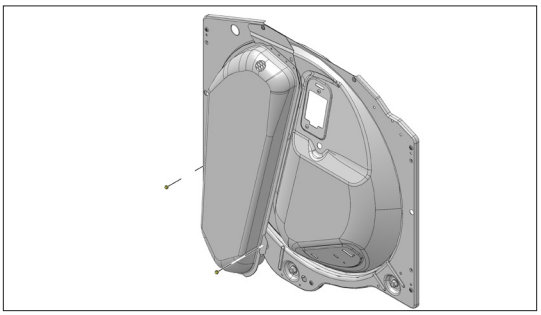


NOTE: To support the roller shaft while trying to remove the 9/16" shaft a vice grip needs to be used to hole the nipple on the front of the roller shaft.

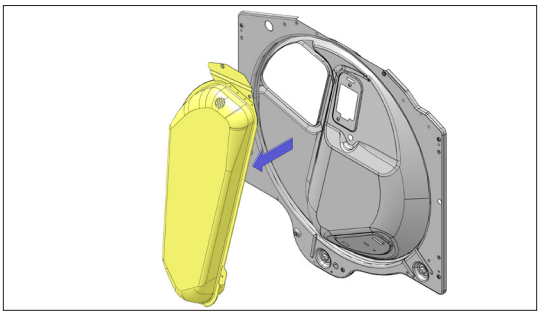


Removal of Heat Plenum

1. Complete the steps 1-4 from the Removal of Bulkhead.
2. Remove two (2) 1/4" hex head screws that secure the heat plenum to the back of the bulkhead.

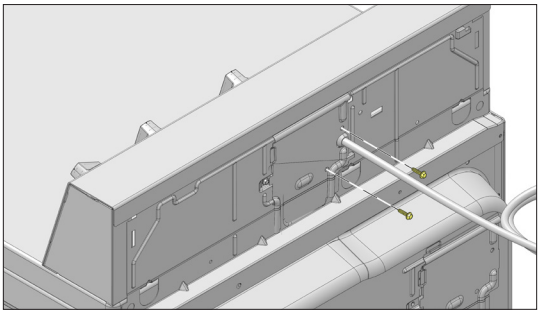


3. Lift the heat plenum off of the bulkhead.

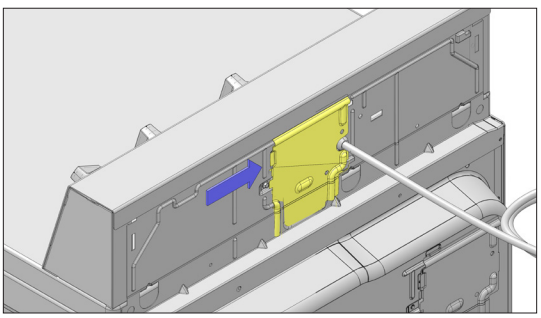


Removal of Service Cord (For Gas Models)

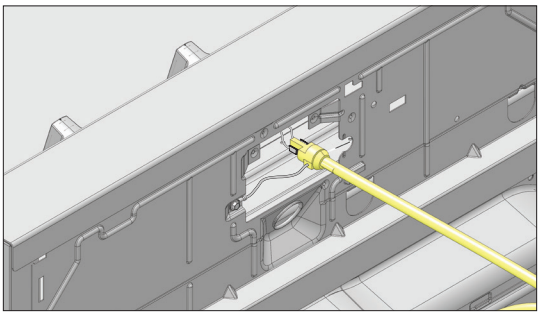
1. Remove the two (2) 1/4" hex head screw from the control cover rear panel.



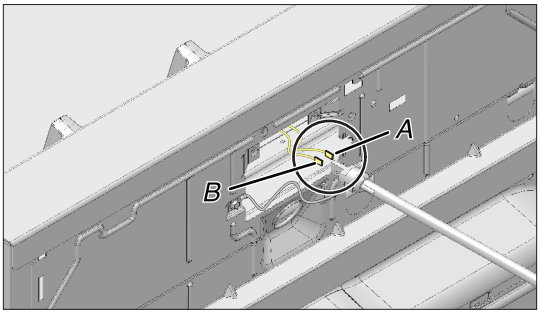
2. Remove the service panel by sliding its tabs out from the left side.



3. Slide the service cord to the left to remove it from the slot.

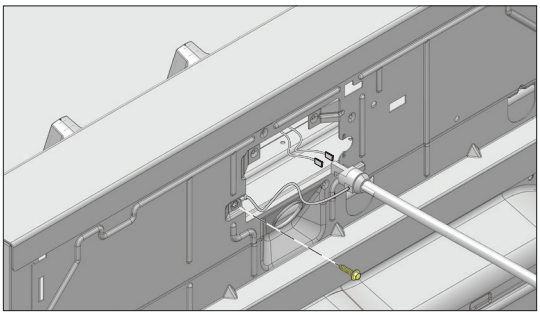


4. Disconnect two (2) connectors from the service cord. The neutral is a 3/16" terminal, and L1 is a 1/4" terminal.

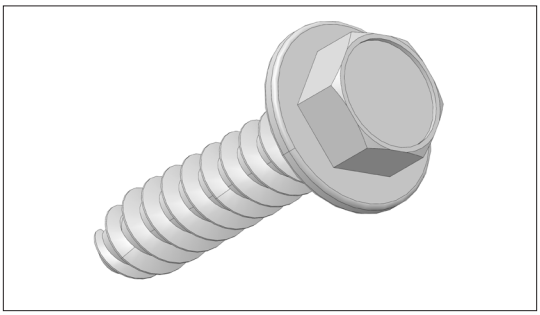


A. *Neutral Terminal*
B. *L1 Terminal*

5. Remove the 5/16" hex head screw that secures the ground wire to the rear panel.



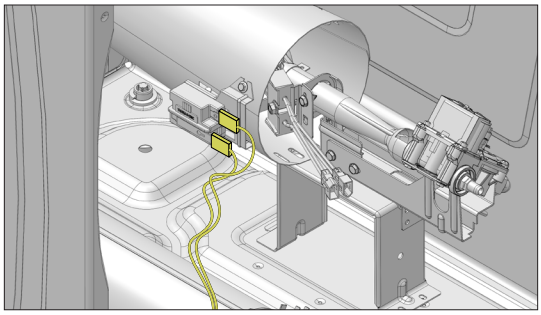
NOTE: Ground screws are painted green and have machine screw threads to secure them tightly.



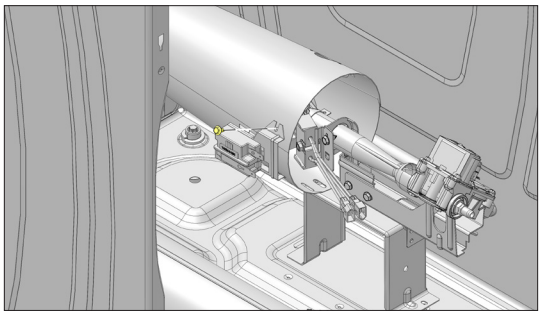
Removal of Flame Sensor

1. Complete the steps 1-5 from the Removal of Lower Front Service Panel.
2. Remove the two (2) wire connectors from the spade terminals.

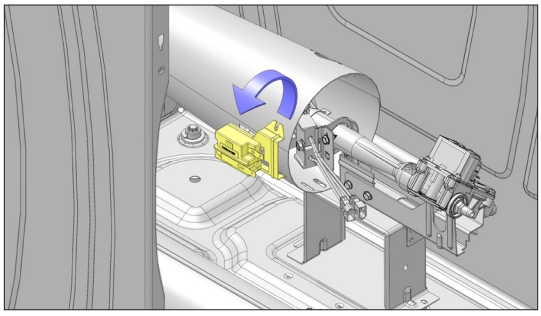
   NOTE: The spade connectors are on tight and pulling hard on the wire or the connector without care may pull the flame switch male terminal off the control and render the flame switch useless.



3. Remove the 1/4" hex head screw.

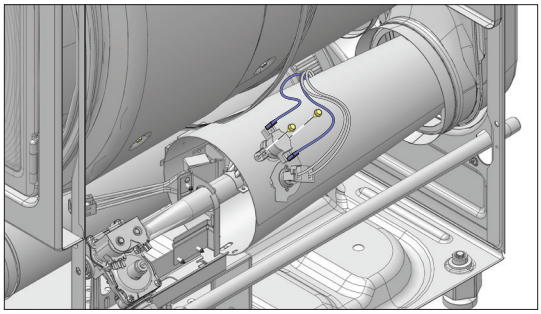


4. Rotate the flame sensor down to release the tab that secures the other side.



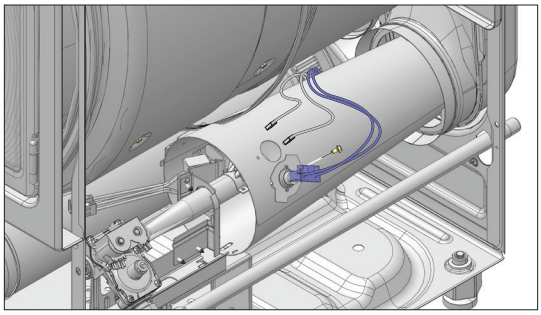
Removal of High Temperature Thermostat

1. Complete the steps 1-5 from the Removal of Lower Front Service Panel.
2. Remove the red and blue wire connectors.
3. Remove the jumper between the high temperature thermostat and the high temperature cutout.
4. Remove two (2) 1/4" hex head screws and remove the high temperature thermostat.
5. The high temperature thermostat and the high temperature cutout should be ordered and replaced as a set. The high temperature thermostat is resettable and cycles to keep the temperature from getting too hot in the burner.



Removal of High Temperature Cutout

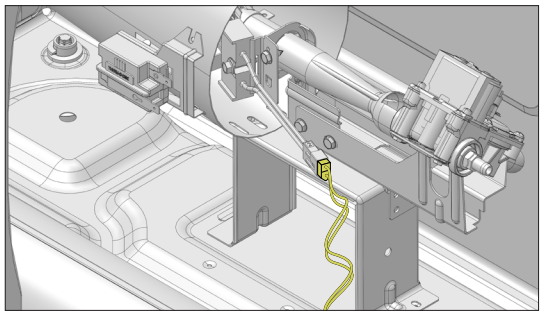
1. Complete the steps 1-5 from the Removal of Lower Front Service Panel.
2. Remove the jumper between the high temperature thermostat and the high temperature cutout.
3. Remove the blue wire connector from the spade terminal.
4. Remove the 1/4" hex head screw and lift to release the tab on the other side.



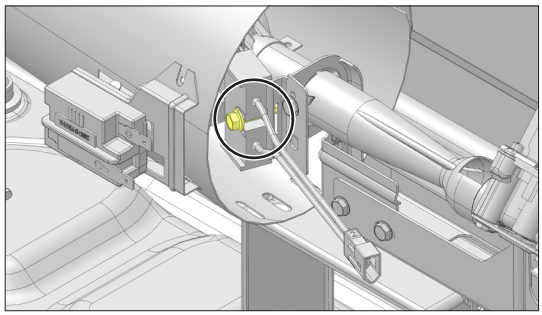
NOTE: The high temperature cutout is non-resettable, it will disable the heat if it trips.

Removal of Igniter

1. Complete the steps 1-5 from the Removal of Lower Front Service Panel.
2. Disconnect the wire connector to the igniter.



3. Hold on to the bracket and remove the 5/16" hex head screw and the remove the bracket and igniter.

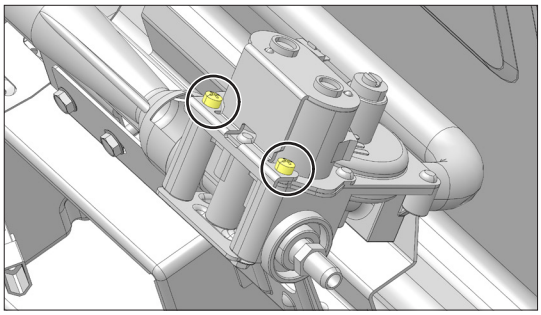


NOTE: Do not touch the dark igniter end, the oil from skin will make a hot spot on the igniter causing it to fail prematurely.

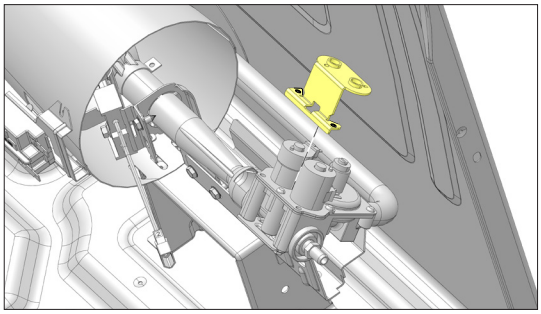
NOTE: Do not bump or tap the igniter. It is made of carborundum, which is harder than steel but is extremely brittle.

Removal of Gas Valve Coils

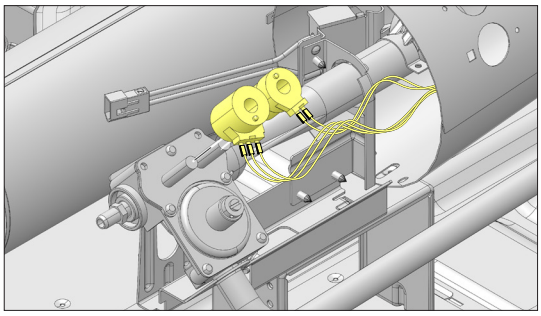
1. Complete the steps 1-5 from the Removal of Lower Front Service Panel.
2. Remove the two (2) Phillips head screws that secure the bracket.



3. Lift the bracket off the coils.

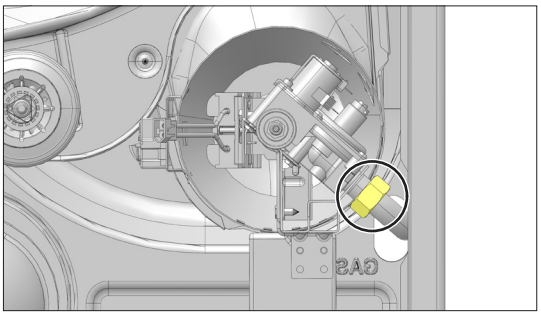


4. Lift the coils off the posts and disconnect the wire connector from each coil.

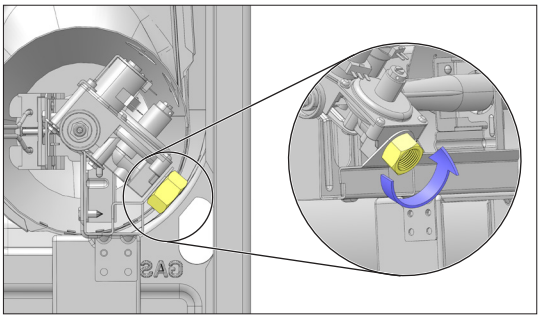


Removal of Gas Valve from the Bracket

1. Complete the steps 1-5 from the Removal of Lower Front Service Panel.
2. Insert a 3/8" Allen wrench into the gas valve fitting.

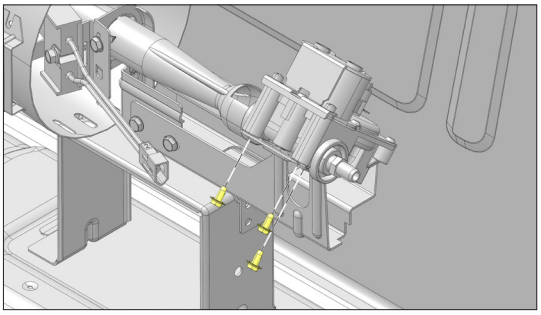


3. Turn the fitting counterclockwise to unscrew it from the gas valve.

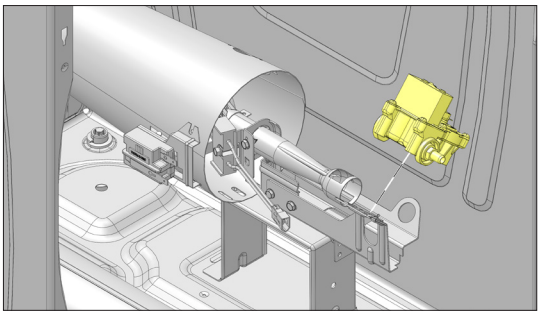


NOTE: Use an appropriate sealant (rated for natural gas or LP depending on the fuel type used) during reassembly of this gas valve fitting.

4. Remove three (3) 1/4" hex head screws from the bottom of the bracket.



5. Remove the gas valve body from the bracket.

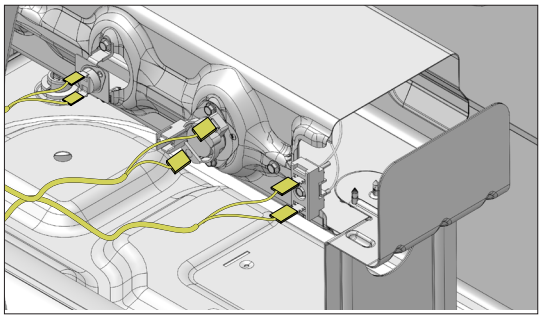


6. Gas valve orifice is now accessible and can be removed with a 3/8'' wrench.

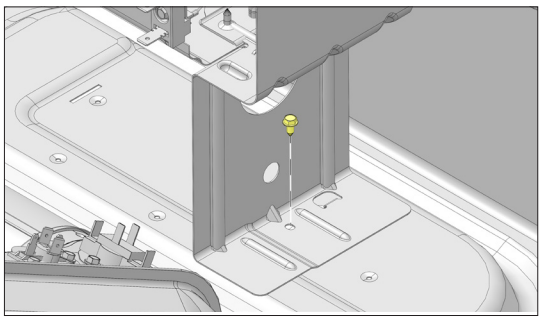
NOTE: Do not use sealant on the threads of the orifice.

Removal of Electric Heating Element

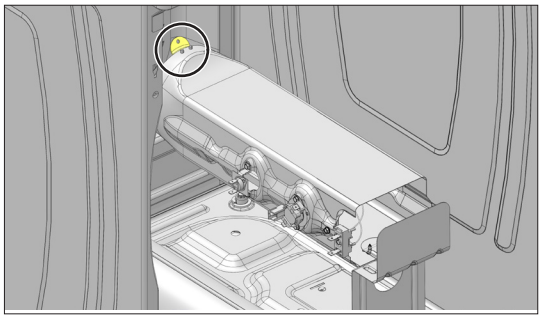
1. Complete the steps 1-5 from the Removal of Lower Front Service Panel.
2. Remove the six (6) wire connectors from the high limit thermostats and from the heater coil.



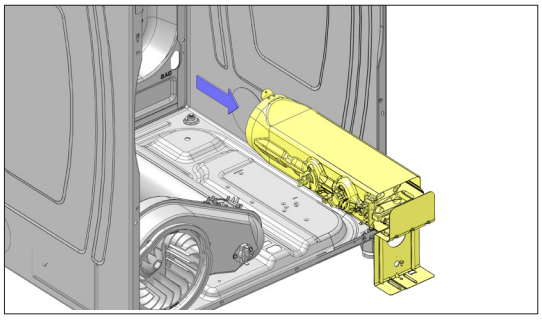
3. Remove the 1/4" hex head screw that secures the bracket to the bottom of the dryer.



4. Lift the entire heater assembly to remove the lower edge from the heat plenum, then use slight downward pressure to release the locking tab at the top rear of the heater assembly.



5. Remove the assembly from the dryer.

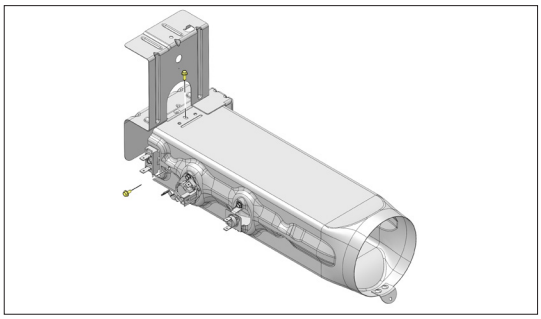


Removal of Heater Coil

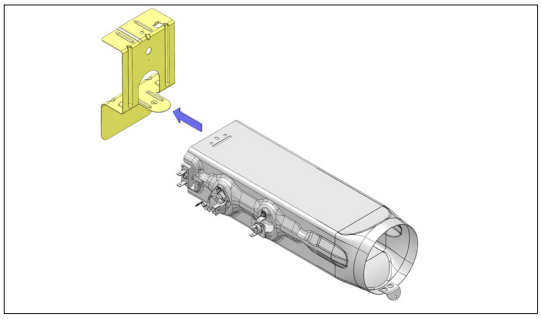
1. If the element is serviceable, complete the steps 1-5 from the Removal of Electric Heating Element.

   NOTE: Some models may have a serviceable electric coil element and others will be supplied as an assembly.

2. Remove two (2) 1/4" hex head screws one from the bottom and other from side of the housing.



3. Slide the mounting bracket tab out of the slit in the housing and remove it.



4. Use one pair of pliers to hold the housing as shown in figure 6, and another pair of pliers to pull the heater coil up out of the housing as shown in figure 7.

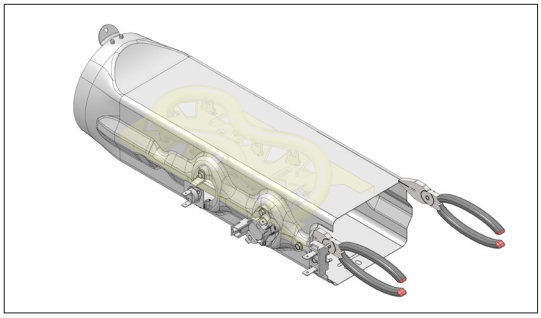


Figure 6

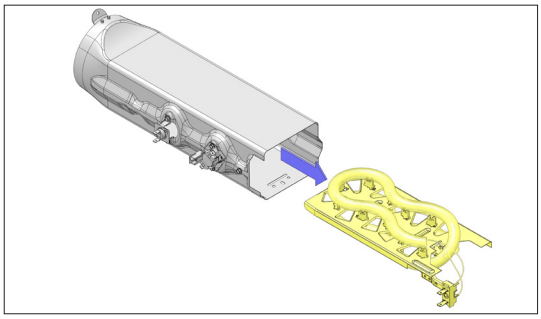


Figure 7

Notes

PRODUCT SPECIFICATIONS & WARRANTY INFORMATION SOURCES

IN THE UNITED STATES:

FOR PRODUCT SPECIFICATIONS AND WARRANTY INFORMATION CALL:

FOR WHIRLPOOL PRODUCTS: 1-800-253-1301

FOR TECHNICAL ASSISTANCE WHILE AT THE CUSTOMER'S HOME CALL:

THE TECHNICAL ASSISTANCE LINE: 1-800-832-7174

HAVE YOUR STORE NUMBER READY TO IDENTIFY YOU AS AN AUTHORIZED IN-HOME SERVICE PROFESSIONAL

FOR LITERATURE ORDERS (CUSTOMER EXPERIENCE CENTER):

PHONE: 1-800-851-4605

FOR TECHNICAL INFORMATION AND SERVICE POINTERS:

www.servicematters.com

IN CANADA:

FOR PRODUCT SPECIFICATIONS AND WARRANTY INFORMATION CALL:

1-800-461-5681

FOR TECHNICAL ASSISTANCE WHILE AT THE CUSTOMER'S HOME CALL:

THE TECHNICAL ASSISTANCE LINE: 1-800-488-4791

HAVE YOUR STORE NUMBER READY TO IDENTIFY YOU AS AN AUTHORIZED IN-HOME SERVICE PROFESSIONAL

Maytag® 7.4 cu ft Commercial Grade Residential Dryer W11663478 Rev A