GE Appliances

Technical Service Guide

March 2011

24- and 27-in. Unitized Laundry Centers

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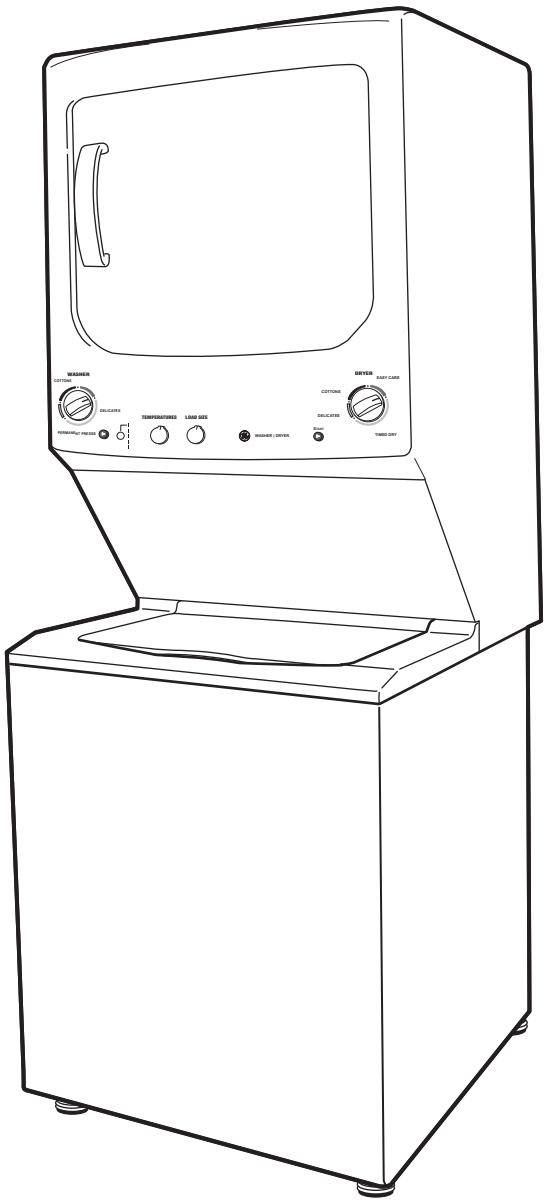

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GE Appliances
General Electric Company
Louisville, Kentucky 40225

IMPORTANT SAFETY NOTICE

The information in this service guide is intended for use by individuals possessing adequate backgrounds of electrical, electronic, and mechanical experience. Any attempt to repair a major appliance may result in personal injury and property damage. The manufacturer or seller cannot be responsible for the interpretation of this information, nor can it assume any liability in connection with its use.

WARNING

If the information in this manual is not followed exactly, fire or explosion may result causing property damage, personal injury or death. If you smell gas:

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

WARNING

To avoid personal injury, disconnect power before servicing this product. If electrical power is required for diagnosis or test purposes, disconnect the power immediately after performing the necessary checks.

RECONNECT ALL GROUNDING DEVICES

If grounding wires, screws, straps, clips, nuts, or washers used to complete a path to ground are removed for service, they must be returned to their original position and properly fastened.

GE Appliances
Technical Service Guide

Table of Contents

Introduction

The new GE 24-in. and 27-in. Unitized Laundry Centers have the following features:

PerfecTemp - senses the incoming water temperature and adjusts the fill water to obtain a more precise temperature range for all wash temperatures.

Auto Load Sensing - automatically provides the correct amount of water suited to the size and type of load placed in the unit.

Quick Release Lid Lock - prevents opening the lid during the spin cycle and while the basket is spinning.

Washer Electronic Control with LED status lights - the stage the washer is operating in is indicated by the status lights. When the selector knob is set to a new cycle, the status lights will flash momentarily, showing the stages the cycle will go through.

Built-in Service Test Mode - Specific washer components can be operated. Error codes are recorded and accessible using the control panel LED status lights.

4 Drying Cycles - Timed, Auto Cottons, Easy Care, Delicate

Large 5.9-cu.ft. steel dryer drum on 27-in. models, and 4.4-cu.ft. steel drum on 24-in. models.

UV Stabilizers - The control panel has UV stabilizers to prevent yellowing when exposed to sunlight.

24-in. Model

27-in. Model

Nomenclature

G T U P 2 7 0 E M W W

Brand
G = General Electric

Configuration
T = Top Load

Product
U = Unitized Washer/Dryer

Key Feature
P = Permatuf Tub

Series

Fuel
E = Electric
G = Gas

Model Year Designator
M = 2011

Color
WW = White

The nomenclature tag is located inside the dryer on the front panel.

Note: The technical sheet is taped on the inside of the control panel.

Serial Number

The first two characters of the serial number identify the month and year of manufacture.

Example: *FV123456S = March, 2011*

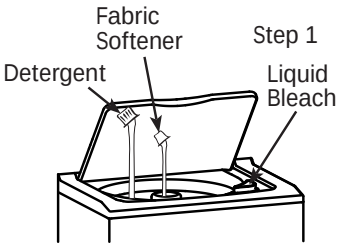
F - MAR	2011 - *V*
G - APR	2010 - T
H - MAY	2009 - S
L - JUN	2008 - R
M - JUL	2007 - M
R - AUG	2006 - L
S - SEP	2005 - H
T - OCT	2004 - G
V - NOV	2003 - F
Z - DEC	2002 - D
A - JAN	2001 - A
B - FEB	2000 - Z

The letter designating the year repeats every 12 years.

Example:

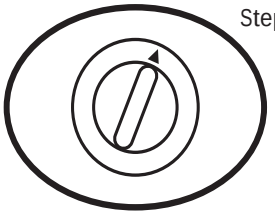
V - 2011
V - 1999
V - 1987

About the Washer control panel.



- Add detergent
- Add fabric softener (optional)
- Add bleach (optional)

- Add clothes



- Select load size and other wash options
- Select wash cycle

Step 4

- Close lid
- Push *START*

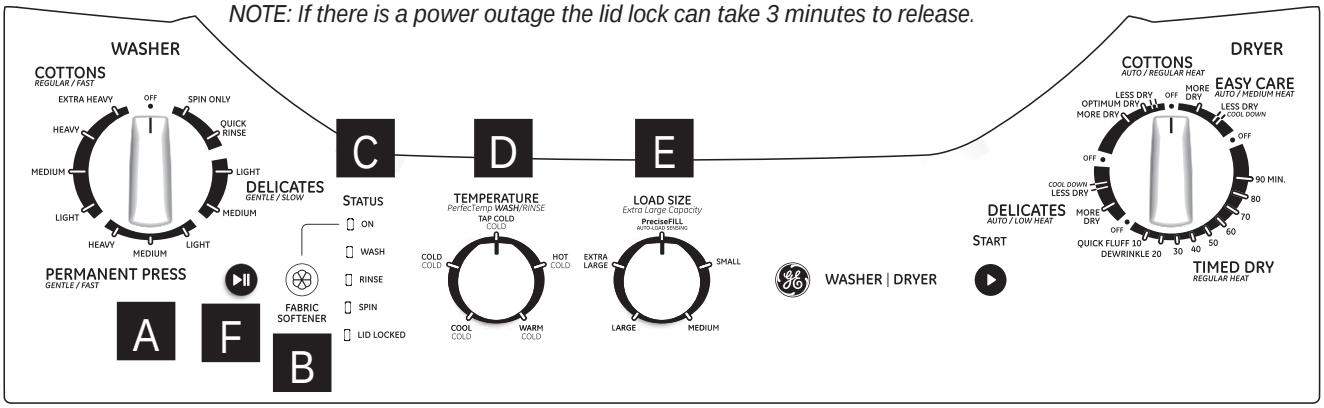
Quick Start Guide

Lid Lock

LID LOCKED

Your washer has a security system that prevents opening the lid during the spin cycle. The lid lock prevents anyone (especially children) from reaching into the washer while the basket is spinning. The lock will be released approximately 2 minutes after the basket stops spinning.

NOTE: If there is a power outage the lid lock can take 3 minutes to release.



Controls

A *Wash Cycle Selector*

The wash cycle controls the length and intensity of the washing process. The knob can be turned in either direction. Turning the Cycle Selector knob after starting a cycle will stop the washer and reset the cycle to the new selection. Press *START* to begin the new cycle selection.

The chart below will help you match the wash cycle setting with your clothing. The chart is ranked from longest to shortest cycle time and wash intensity. (Cycles vary by model.)

COTTONS - For heavy to lightly soiled cottons, household linens, work and play clothes.
PERMANENT PRESS - For wrinkle-free and permanent press items, and knits.
DELICATES - For lingerie and special-care fabrics with light to normal soil.
SPIN ONLY - For draining the tub and spinning water out of clothes.
QUICK RINSE - Rinses and spins non-soiled items where a rinse only is desired.
OFF - Washer is turned off and the *START* button does not function.
NOTE: When the control is turned to OFF, the STATUS lights are off.
NOTE: The cycle selector does not rotate during the operation of the washer.

B *FABRIC SOFTENER*

Set this option when adding fabric softener to the washer.

(*Continued next page*)

C *STATUS lights*

The *STATUS* lights show the stage the washer is in. When the selector knob is set to a new cycle, the *STATUS* lights will flash momentarily, showing the stages the cycle will go through.

STATUS light	*Illuminates*
ON	When the fabric softener option has been selected.
WASH	When the washer is in the wash portion of the cycle.
RINSE	When the washer is in the rinse portion of the cycle.
SPIN	When the washer draining and/or spinning.
LID LOCKED	When the washer lid is locked. This feature prevents the lid from being opened while the washer is in the spin cycle or coasting to a stop.

NOTE: If the STATUS lights are blinking, the operation of the washer has been paused. To resume operation press the START button (the lid must be closed).

D *Temperature*

Select the water temperature for the wash and rinse cycles. Always follow fabric manufacturer's care label or instructions when laundering.

PerfecTemp senses the incoming water temperature and adjusts the fill water to obtain a more precise temperature range for all wash temperatures. For example, in a COLD wash selection, some warm water may be added to reach a temperature needed to better dissolve detergents. Often, detergents are not completely dissolved in very cold water, especially in cooler climates.

During winter months, when the water entering your home is colder, or for locations with very cold water year round, use the *PerfecTemp* plus COLD to help dissolve powdered detergents and to improve the cleaning of your clothes.

The *TAP COLD* feature turns the *PerfecTemp* feature on your washer off, and uses your household tap water temperature for a COLD wash. This can provide energy savings by reducing the amount of hot water used in your wash.

E *Load Size*

Loosely load clothes no higher than the top row of holes in the washer basket.

PreciseFill - This selection automatically provides the correct amount of water suited to the size and type of load placed in the unit.

F *START*

Press *START* to begin the cycle. With the lid closed pressing *START* again will PAUSE the cycle and *STATUS* lights will blink. To continue the cycle, close the lid and press *START* again. The water fill will continue with the lid opened, except when *PreciseFill* is selected as the load size. (The lid *must be closed* to continue filling when *PreciseFill* is selected.

If the lid is opened during the cycle, the cycle will *PAUSE* and the *STATUS* lights will blink. To resume the cycle, close the lid and press *START*.

If the machine is paused for more than 24 hours, the cycle will be cancelled. To stop the cycle, turn the Cycle Selector to the *OFF* position.

About the Washer features.

The Fabric Softener Dispenser

The fabric softener dispenser automatically releases liquid fabric softener at the proper time during the cycle.

Do not stop the washer during the first spin. This will cause the dispenser to empty too soon.

To use, follow these steps:

1. Make sure dispenser is securely attached to agitator.
2. Use only diluted liquid fabric softener. Pour into dispenser, using amount recommended on package.

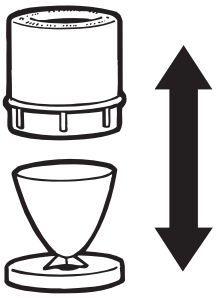
Never pour fabric softener directly on clothes. It may stain them.

NOTE: Do not pour bleach into FABRIC SOFTENER dispenser.

3. Add water to dispenser until it reaches the maximum fill line.

Do not pour anything into the agitator if the dispenser is removed.

4. Select *FABRIC SOFTENER* button on control panel for proper dispersion of the fabric softener.



Separate for cleaning

Cleaning the Fabric Softener Dispenser

1. Remove the dispenser from the top of the agitator.
2. Separate the dispenser cup from the cover by grasping the top and pushing down on the inside of the cup with your fingers. Dispenser cup will pop free from the cover.
3. To clean the dispenser, soak both the dispenser cup and the dispenser cover in the following solution:
   - *1 US gallon (3.8 liters) warm water*
   - *1/4 cup (60 ml) heavy-duty liquid detergent*
   - *1 cup (240 ml) bleach*
4. If necessary, loosen buildup with a clean, soft cloth after soaking. Do not use a stiff brush; you may roughen the surface of the dispenser.
5. Rinse and reassemble dispenser. Place dispenser back on the agitator.

Liquid Bleach Funnel

The water fill dilutes liquid chlorine bleach as the washer fills for the wash cycle.

1. Check clothing care labels for special instructions.
2. Measure liquid bleach carefully, following instructions on the bottle.
   - *Never pour undiluted liquid chlorine bleach directly onto clothes or into the wash basket.*
   - *Do not pour powdered bleach into bleach funnel.*
3. Before starting the washer, pour measured amount of bleach directly into bleach funnel. Avoid splashing or over-filling dispenser. If you prefer to use powdered bleach, add it into the wash basket with your detergent.
   - *Do not mix chlorine bleach with ammonia or acids such as vinegar and/or rust remover. Mixing can produce a toxic gas which may cause death.*

NOTE: Do not pour bleach into FABRIC SOFTENER dispenser.

Loading and using the washer.

Always follow fabric manufacturer's care label when laundering.

Sorting Wash Loads

Sort by color (whites, lights, colors), soil level, fabric type (sturdy cottons, easy care, delicates) and whether the fabric produces lint (terry cloth, chenille) or collects lint (velveteen, corduroy).

Proper Use of Detergent

Add detergent and start the washer before adding clothes so that the detergent can work effectively. Using too little or too much detergent is a common cause of laundry problems.

You can use less detergent if you have soft water, a smaller load or a lightly soiled load.

Loading the Washer

Load dry items loosely, no higher than the top row of holes in the washer basket. When loading wet items, make sure you set the load/water level high enough to allow the items to move freely. Water level should just cover the clothes. To add items after washer has started, lift the lid and submerge additional items next to the agitator.

- *Do not wrap long items like sheets or pants around the agitator.*
- *Do not wash fabrics containing flammable materials (waxes, cleaning fluids, etc.).*
- *Agitation will not start with the lid up.*

Care and cleaning of the washer.

Wash Basket: Leave the lid open after washing to allow moisture to evaporate. If you want to clean the basket, use a clean soft cloth dampened with liquid detergent; then rinse. (Do not use harsh or gritty cleaners.)

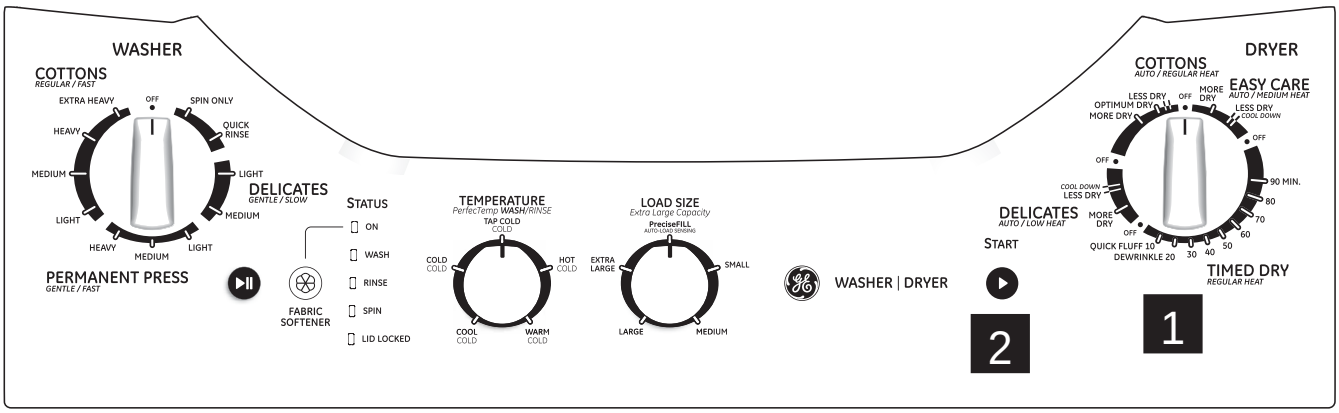
Fill Hoses: GE recommends changing the hoses every 5 years.

Exterior: Immediately wipe off any spills. Wipe with damp cloth. Try not to hit surface with sharp objects.

Moving and Storage: Ask the service technician to remove water from drain pump and hoses. See the Installation Instructions packed with product for information on how to reinstall the shipping rod to keep the tub stationary when moving the washer. For more information, visit *GEAppliances.com* or call 800. GE.CARES *(800.432.2737)*. Do not store the washer where it will be exposed to the weather.

Long Vacations: Be sure water supply is shut off at faucets. Drain all water from hoses if weather will be below freezing.

About the Dryer control panel.



IMPORTANT: Clean the lint filter each time you use the dryer

1 *Fabric Care/Temperature*

REGULAR or COTTONS REG. HEAT	For regular to heavy cottons.
MEDIUM, EASY CARE MED. HEAT, EASY CARE or PERMA PRESS MED. HEAT	For synthetics, blends, delicates and items labeled permanent press.
DELICATES LOW HEAT	For delicates, synthetics and items labeled tumble dry low.
QUICK FLUFF NO HEAT	For *fluffing* items without heat. Use the *TIMED DRY* cycle.

Automatic cycles automatically determine fabric dryness. Select *LESS DRY* if you want your clothes slightly damp at the end of the drying cycle. Select *MORE DRY* if you want them to feel drier. Timed cycles run for a selected time.

Drying Cycles

COTTONS	For cottons and most linens. For most loads, select *OPTIMUM Dry*.
EASY CARE/ PERMANENT PRESS	For wrinkle-free, permanent press and delicate items, and knits.
DELICATES	For delicate items, special-care fabrics and knits.
TIMED DRY	Set the Cycle Selector at the desired drying time.
DEWRINKLE	For removing wrinkles from items that are clean and dry or that are very lightly damp.
QUICK FLUFF	For freshening or fluffing up already dry clothing, fabrics, linens and pillows. Use with *FLUFF NO HEAT*. Provides 10 minutes of no heat tumbling.

Auto Cycle / Timed Cycle

AUTO CYCLE	For automatic sensored drying. The timer does not rotate during the cycle until the thermostats sense that the clothes are dry, then the timer rotates automatically to *OFF*.
TIMED DRY	For manual drying. The timer rotates during the entire cycle.

2

START-Close the dryer door. Press *START*. Opening the door during operation will stop the dryer. To restart the dryer, close the door and select *START* to complete the cycle.

About the Dryer features.

Stainless Steel Drum

The stainless steel used to make the dryer drum provides the highest reliability available in a GE dryer. If the dryer drum should be scratched or dented during normal use, the drum will not rust or corrode. These surface blemishes will not affect the function or durability of the drum.

Care and Cleaning of the Dryer.

The Exterior: Wipe or dust any spills or washing compounds with a damp cloth. Dryer control panel and finishes may be damaged by some laundry pretreatment soil and stain remover products. Apply these products away from the dryer. The fabric may then be washed and dried normally. Damage to your dryer caused by these products is not covered by your warranty.

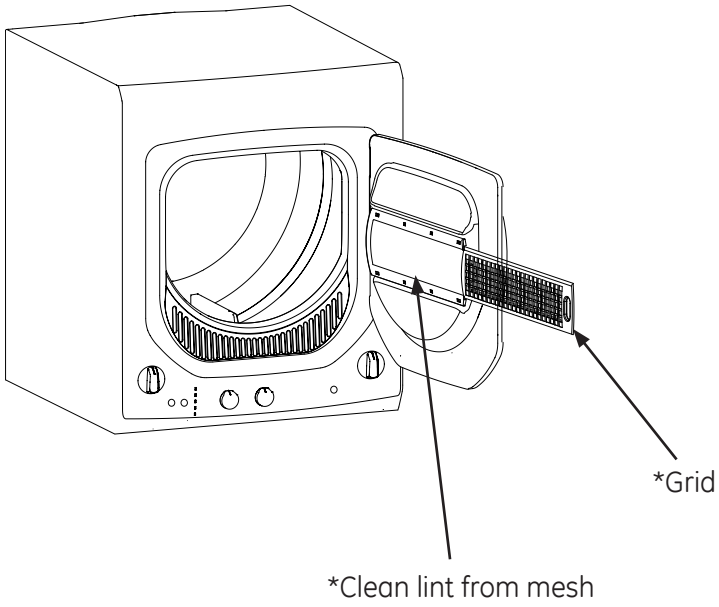
The Lint Filter: Clean the lint filter before each use. Slide out the grid that covers the filter. Run your fingers across the filter. A waxy buildup may form on the lint filter from using dryer-added fabric softener sheets. To remove this buildup, wash the lint screen in warm, soapy water. Dry thoroughly and replace. Do not operate the dryer without the lint filter and grid in place. Have a qualified technician vacuum the lint from the dryer once a year.

The Exhaust Duct: Inspect and clean the exhaust ducting at least once a year to prevent clogging. A partially clogged exhaust can lengthen the drying time.

Follow these steps:

1. Turn off electrical supply by disconnecting the plug from the wall socket.
2. Disconnect the duct from the dryer.
3. Vacuum the duct with the hose attachment and reconnect the duct.

The Exhaust Hood: Check with a mirror that the inside flaps of the hood move freely when operating. Make sure that there is no wildlife (birds, insects, etc.) nesting inside the duct or hood.



*On some models

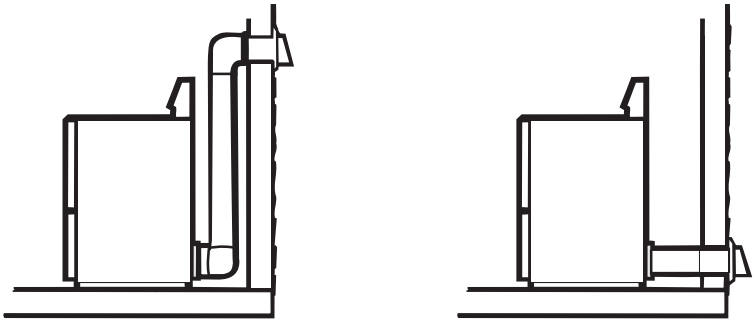
Note: 27-in. models utilize a standard filter located in front of the air plenum.

Venting the Dryer

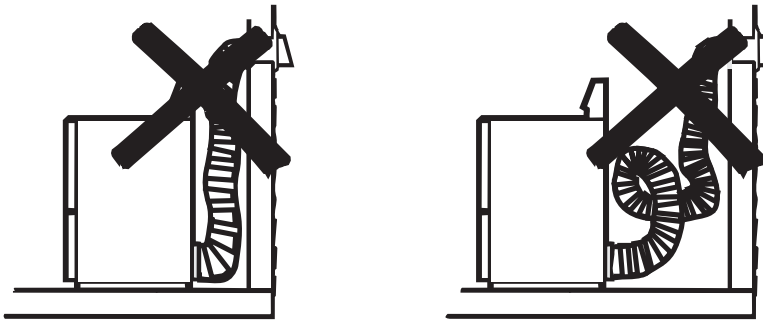
For the best drying performance, the dryer needs to be properly vented. The dryer will use more energy and run longer if it is not vented to the below specifications. Carefully follow the details on Exhausting in the Installation Instructions.

- Use only rigid metal 4" diameter ductwork inside the dryer cabinet. Use only rigid metal or UL approved flexible metal 4" diameter ductwork for exhausting to the outside.
- Do not use plastic or other combustible ductwork.
- Use the shortest length possible.
- Do not crush or collapse.
- Avoid resting the duct on sharp objects.
- Venting must conform to local building codes.

Correct Venting



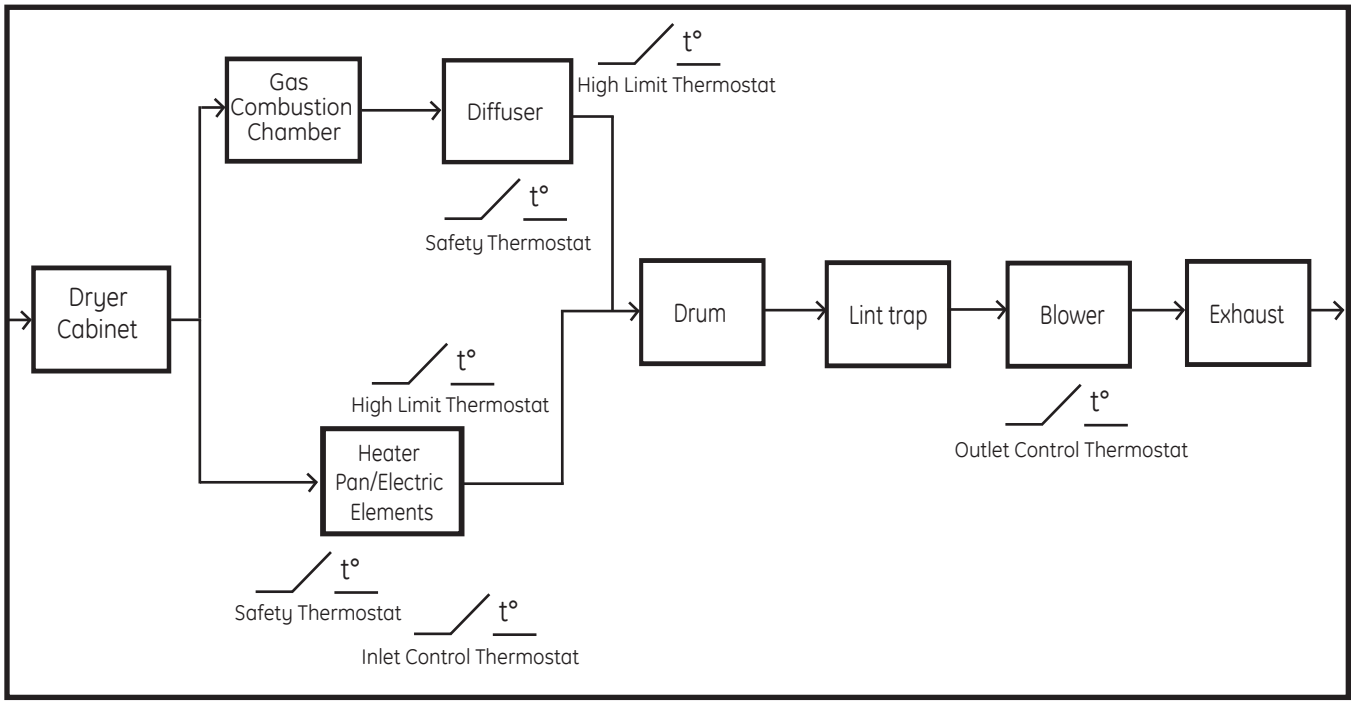
Incorrect Venting



Dryer Operation Overview

Air enters the dryer cabinet, passing thru the heating elements (gas combustion chamber for gas models), and into the drum. The hot air heats the wet clothes and gradually removes their moisture in the form of water vapor. The moist air is vented through the dryer exhaust. Overall heating temperature is regulated by means of 2 temperature thermostats: an inlet control thermostat located near the heating elements and an outlet control thermostat located at the blower. (Note: Gas models use only an outlet control thermostat for overall temperature regulation.) A safety thermostat, located near the heating elements (diffuser for gas models), cycles the heating elements (burner for gas models), if overheating occurs. Also, the high limit thermostat, located near the heating elements (diffuser for gas models), provides additional safety and interrupts motor and heater operation if temperature rises above safe limits.

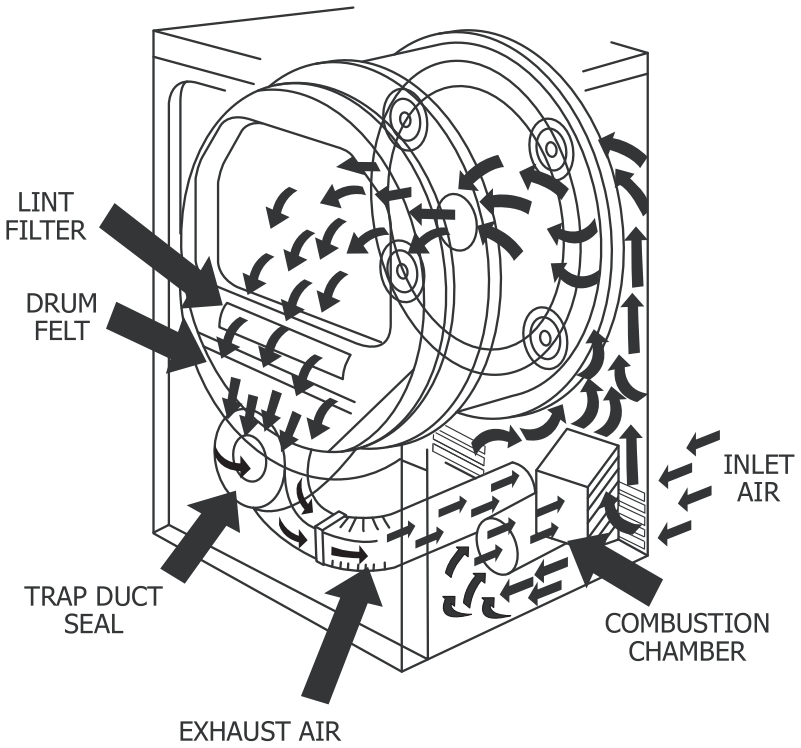
Dryer Air Flow System

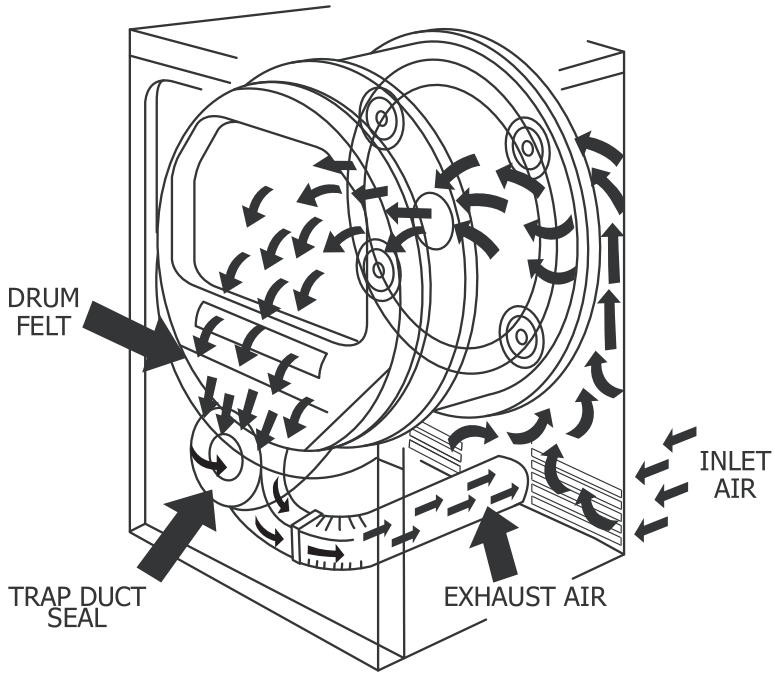


The typical dryer cycle progresses as follows:

1. A cycle is selected and the start key is pressed.
2. The motor is activated.
3. The heater coils (burner for gas models) are activated. The coils (burner) cycle on and off to achieve the desired temperature throughout the heating portion of the cycle.
4. If sensor drying is selected, the heater coils (burner for gas models) are activated. The coils (burner) cycle on and off until the load has achieved the desired dryness level.
5. If timed drying is selected, the heater coils (burner for gas models) are activated and cycle on and off for the selected time at the selected temperature.
6. The heater coils (burner for gas models) discontinue operation after the dryness level or elapsed time has been achieved.
7. The motor continues operating until the clothes temperature drops below specified temperature (Cool Down).
8. The display turns off.

Airflow


LINT
FILTER
DRUM
FELT
INLET
AIR
TRAP DUCT
SEAL
COMBUSTION
CHAMBER
EXHAUST AIR


DRUM
FELT
INLET
AIR
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SEAL
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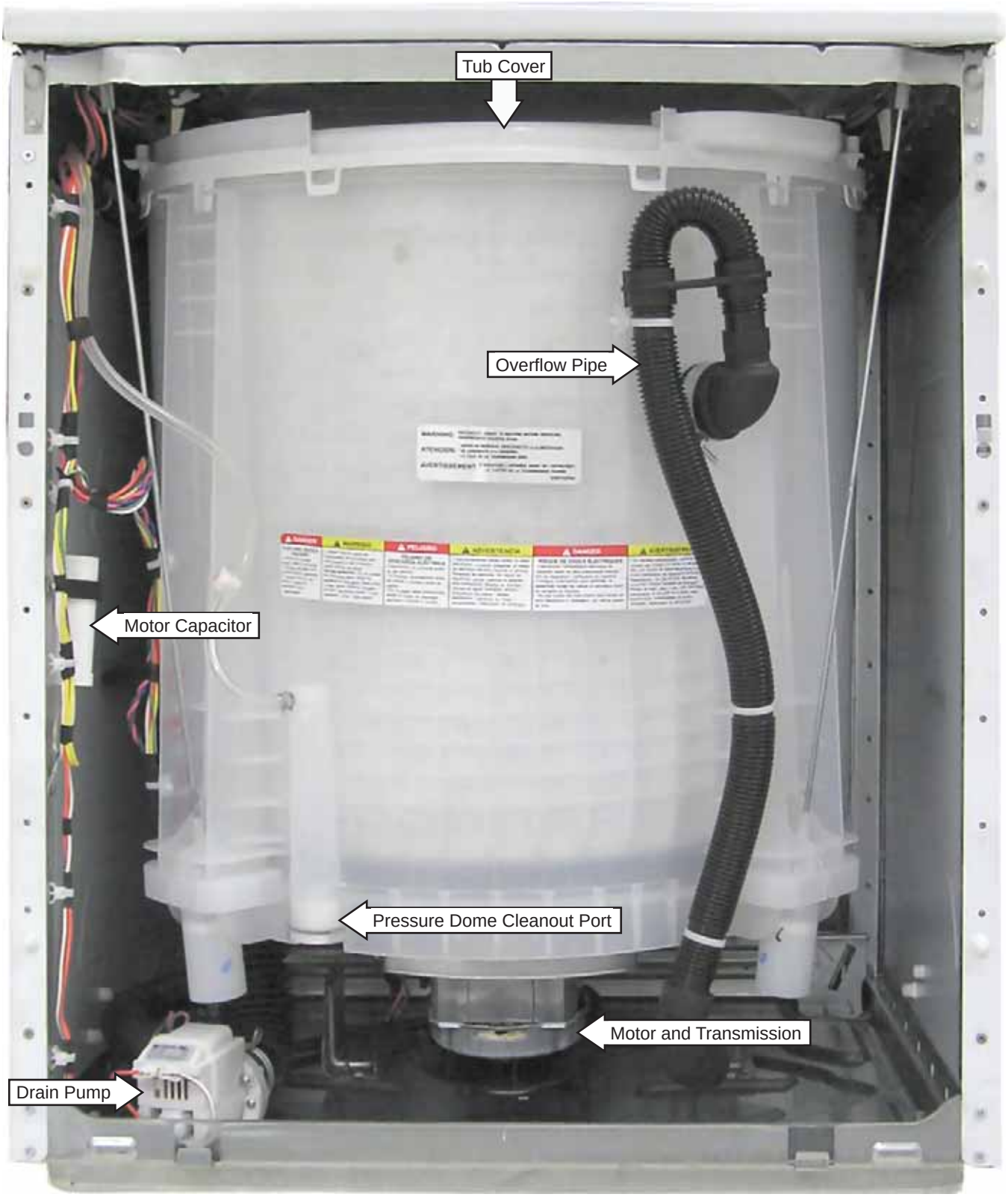
Component Locator Views

Washer Components



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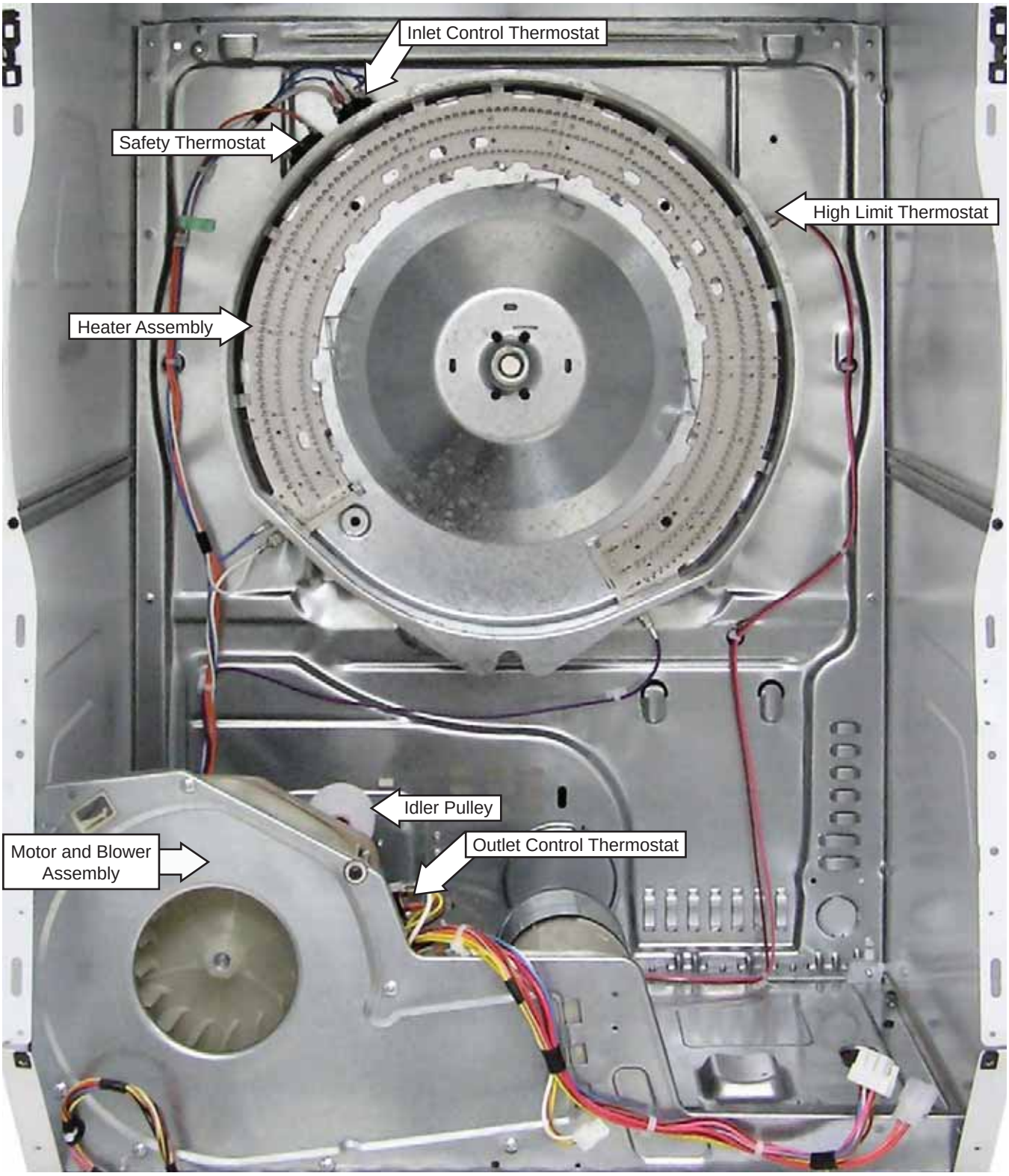
Electric Dryer Components



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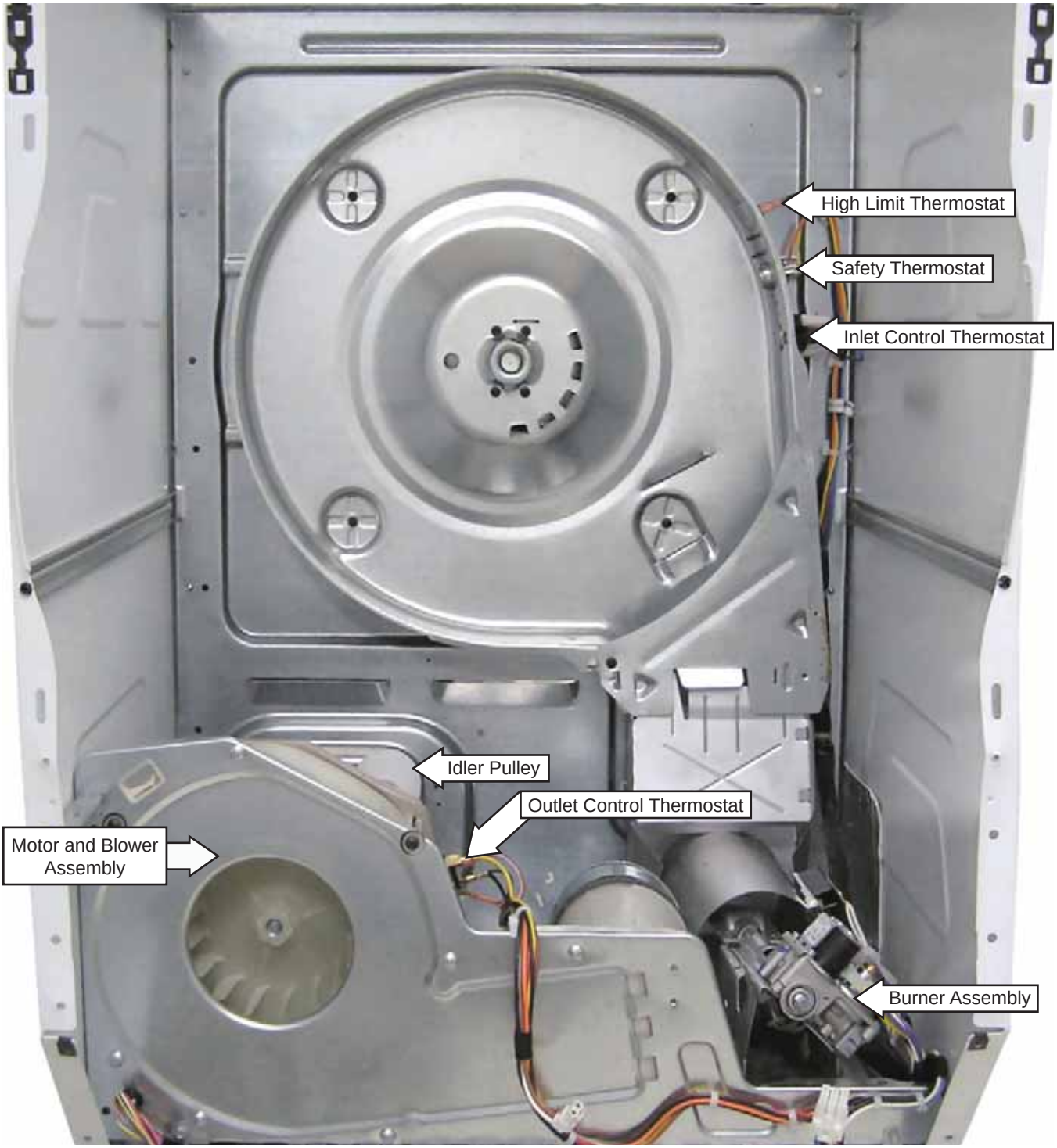
Gas Dryer Components



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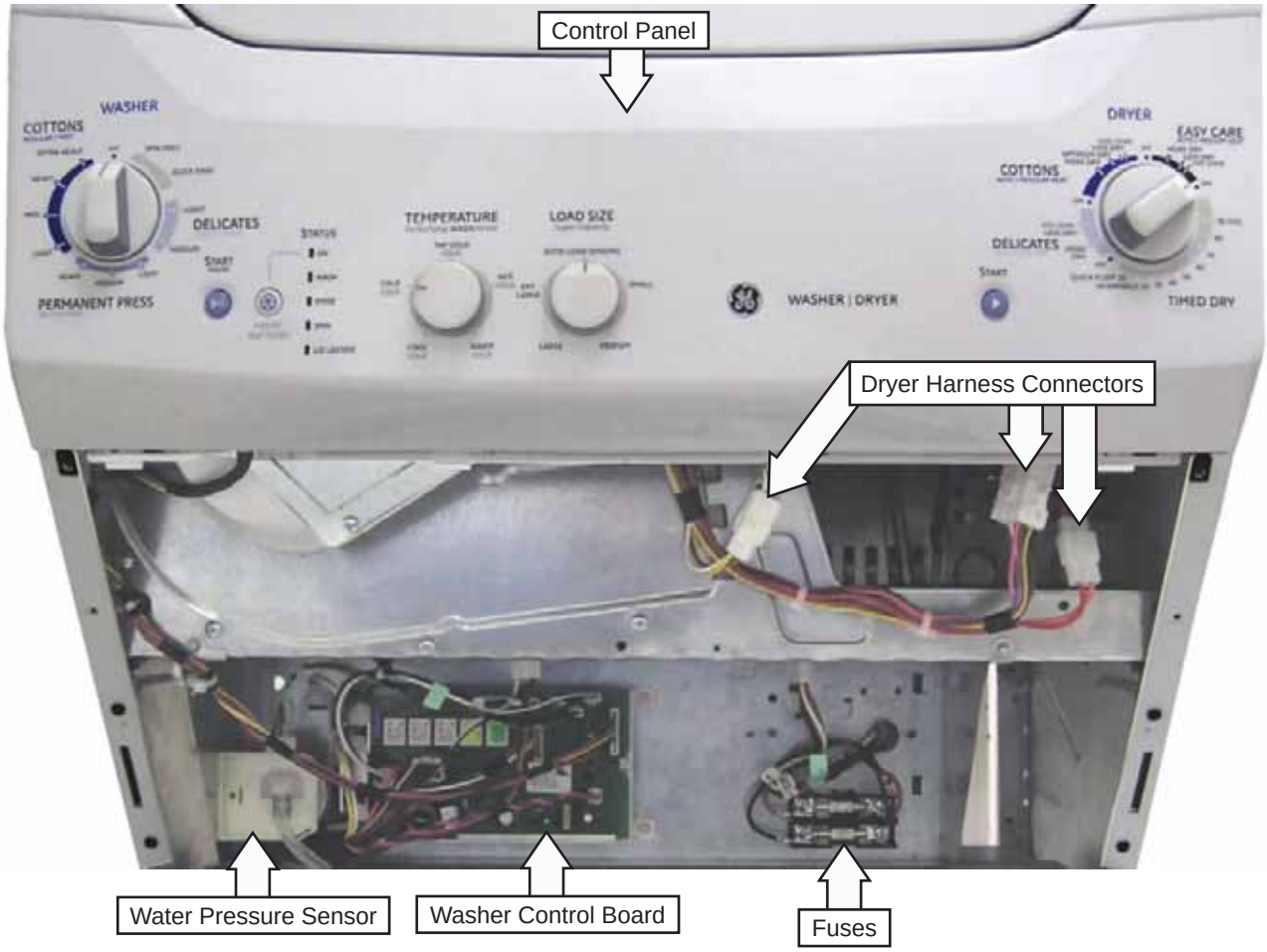
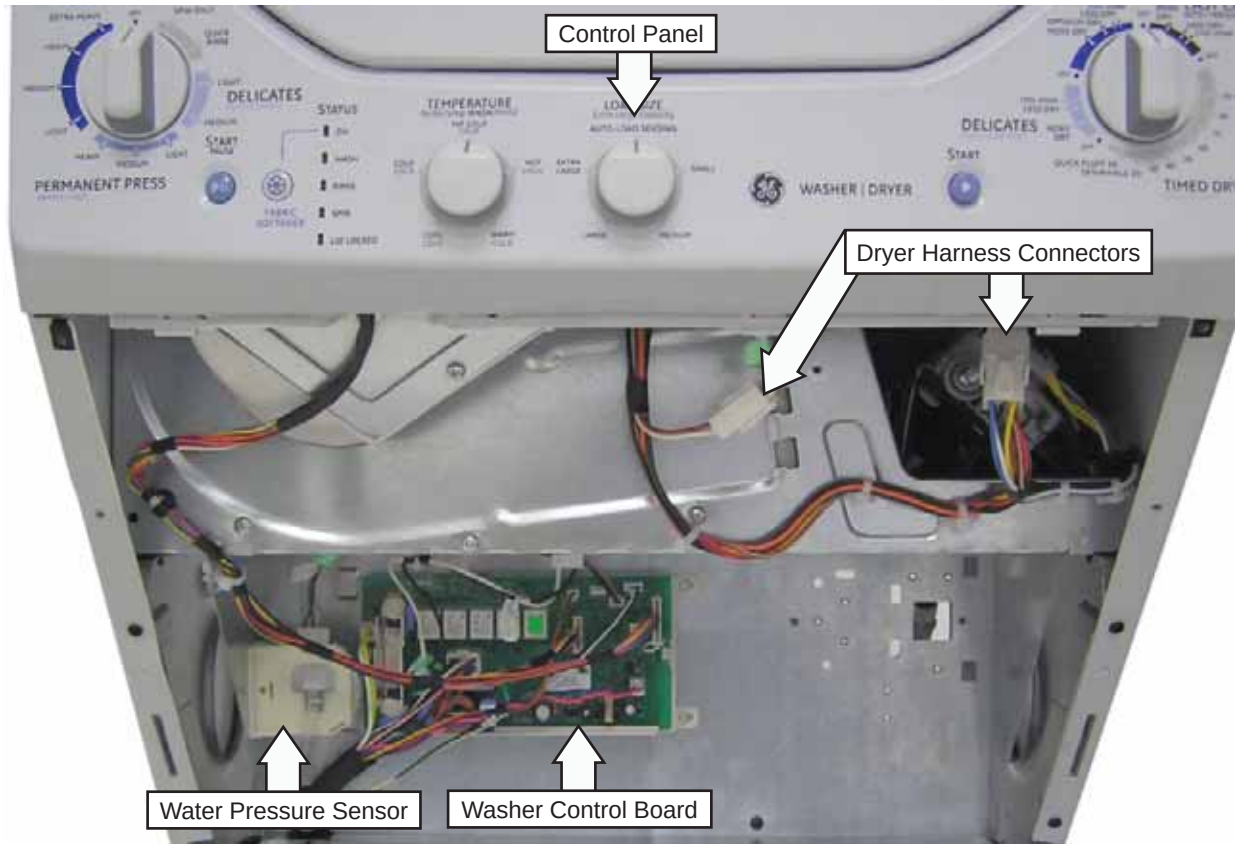
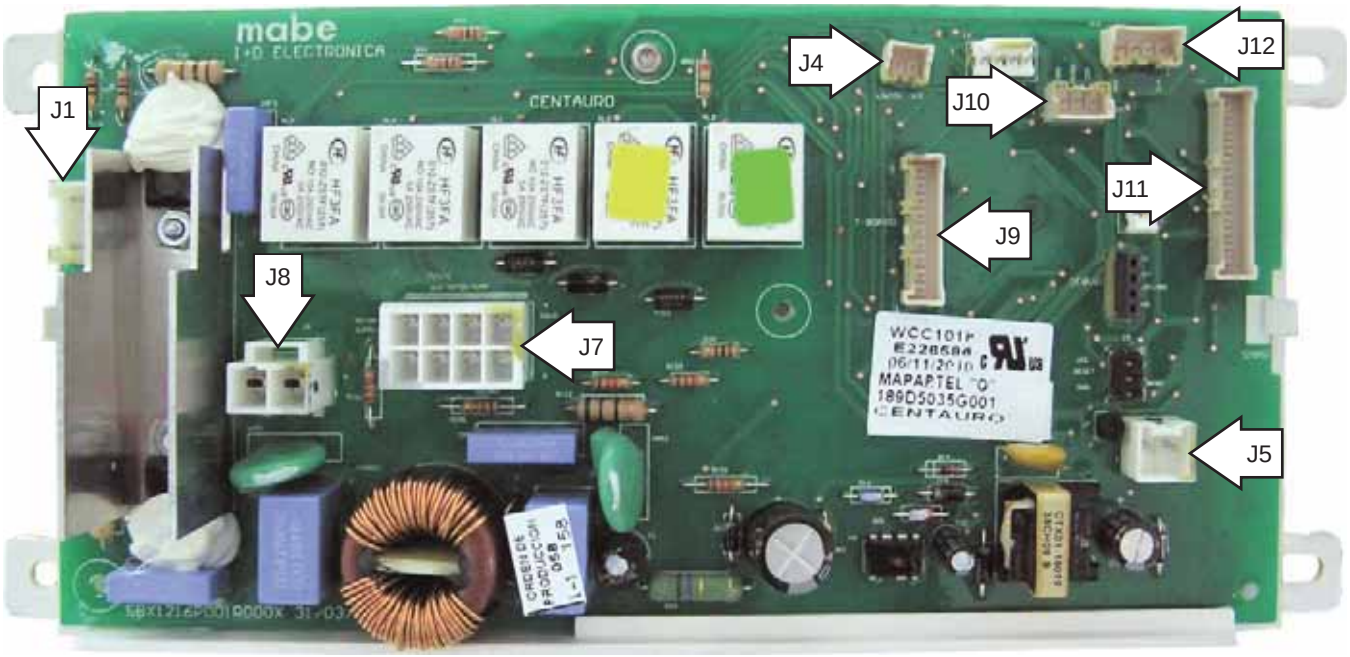
Electric Dryer Components (27-in. model shown with service panel and heat shield removed)



Gas Dryer Components (24-in. model shown with service panel and heat shield removed)



Washer Control Board Connector Locator View



J1 - Motor Windings - Clockwise and Counterclockwise
J4 - Lid Switch
J5 - Motor Speed Sensor
J7 - Motor Line Out, Wax Motor, Lid Lock, Lid Lock Solenoid, Drain Pump, Water Valve
J8 - 120 VAC Input
J9 - Control Panel Buttons and LEDs
J10 - Pressure Sensor
J11 - Control Panel Selector Controls
J12 - Water Temperature Sensor (Automatic Temperature Control)

Dryer Components

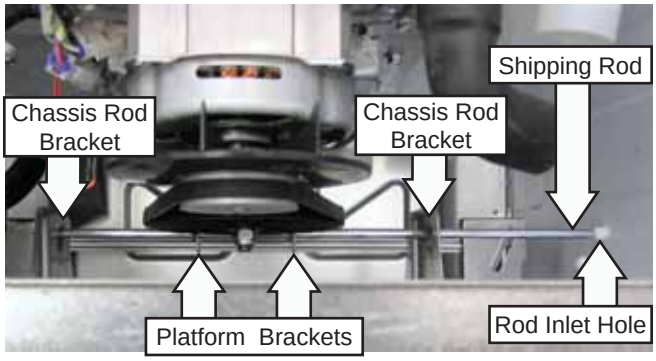
WARNING: Sharp edges may be exposed when servicing the laundry center. Use caution to avoid injury. Wear Kevlar gloves or equivalent protection.

Note: Combined Phillips-head/square-drive recess screws are utilized throughout this appliance. Either Phillips or square-drive screwdrivers can be used to extract or install these screws.

Shipping Rod

There is a new location for the shipping rod. The rod is inserted and removed through a hole located on the lower right side of the cabinet and now passes behind the transmission.

The shipping rod passes through the chassis rod brackets and the platform brackets.



Leveling Legs

The front legs are screw type and are adjusted by turning the legs counterclockwise to increase height. The rear leveling legs are contained in an assembly and will level the rear of the washer left to right.

To level the washer, tilt the washer forward to lift the rear legs off the floor, then gently set it back down. Adjust the front leveling legs to level the washer front to back and left to right across the front. Using a 9/16-in. open-end wrench, tighten the lock nut on each front leg firmly against the base.

Service Panel

It is necessary to remove the service panel to access the mini-manual, water pressure sensor, washer control board, and fuses. The service panel is attached to the cabinet with 2 Phillips-head screws.

To remove the service panel:

1. Remove 1 screw from the top left and top right corners of the service panel.
2. Lift the service panel and pull it forward to release the panel from the cabinet.

Fuses

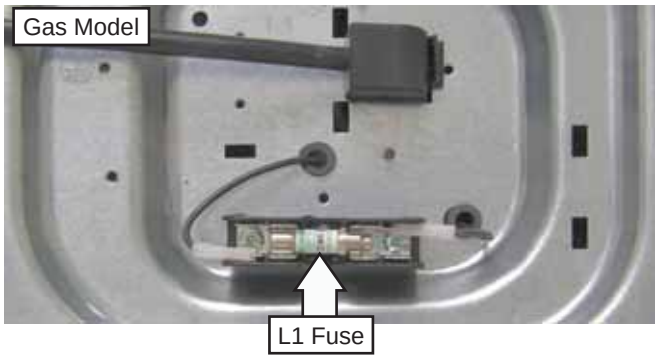
These models utilize fuses to protect components from damage. All fuses are located behind the access panel. (See *Component Locator Views*.)

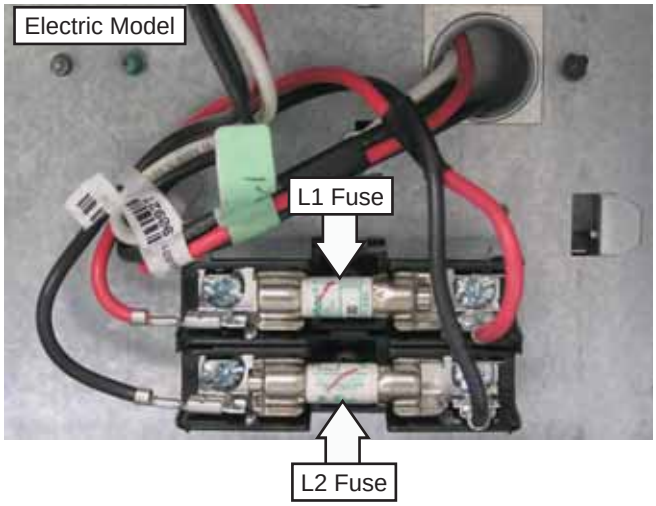
The gas models utilize a single 15-amp fuse installed in series with L1. The electric models employ two 30-amp fuses, 1 in series with L1 and 1 in series with L2. (See *Wiring Diagrams*.)

Excessive current draw in any dryer circuit will open the fuse. An open fuse on the gas model will result in a totally inoperative dryer.

On the electric model, an open fuse in the L1 supply (fuse connected to red wires) will result in a totally inoperative dryer. An open fuse in the L2 supply (fuse connected to black wires) will allow the washer to operate and the dryer motor to function, but the dryer will not heat. Identify and correct the problem when replacing an open fuse.

Note: Power from the house circuit enters on the right side of the fuse holder.





Note: Open fuses will not be indicated by an error code.

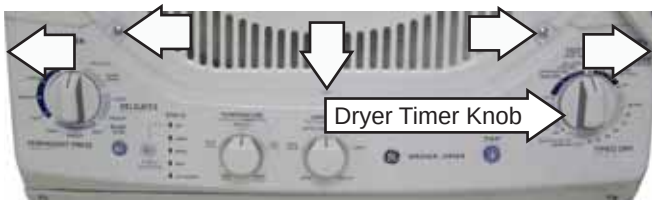
Control Panel

It is necessary to place the control panel in the service position to access the washer controls, dryer start switch, dryer timer, and voltage-dropping resistor (electric models). The control panel is attached to the dryer with 6 Phillips-head screws (27-in. models) or 5 Phillips-head screws (24-in. models).

To place the control panel in the service position:

1. Pull the dryer timer knob straight out from the control panel.
2. Open the door.
3. On 27-in. models, remove 6 Phillips-head screws, 2 on each side of the control panel and 2 from the top of the control panel.

4. On 24-in. models, remove 5 Phillips-head screws, 1 on each side of the control panel and 3 on the top of the control panel.



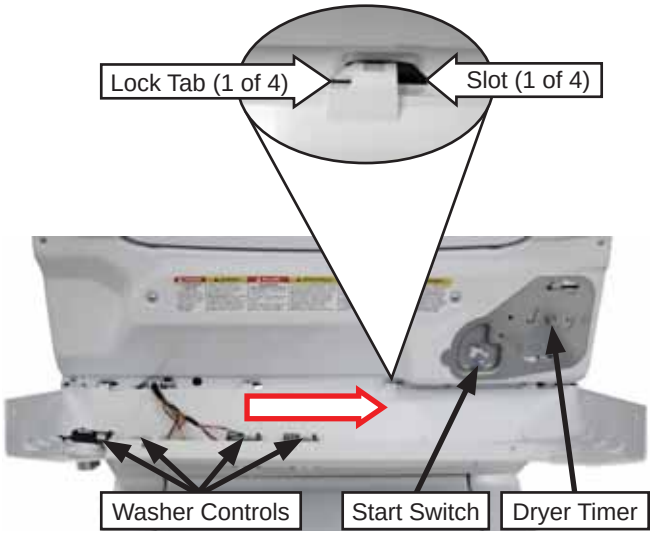
5. Tilt the panel forward.

Service Position

(Continued Next Page)

In the service position, 4 lock tabs located on the bottom of the control panel will be engaged in 4 slots in the dryer front panel. The control panel can be moved to the right to disengage it from the front panel.

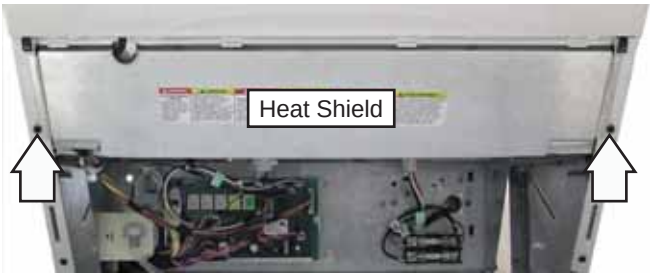
Note: The washer controls are installed on the control panel. The dryer timer and start switch remain on the dryer front panel.



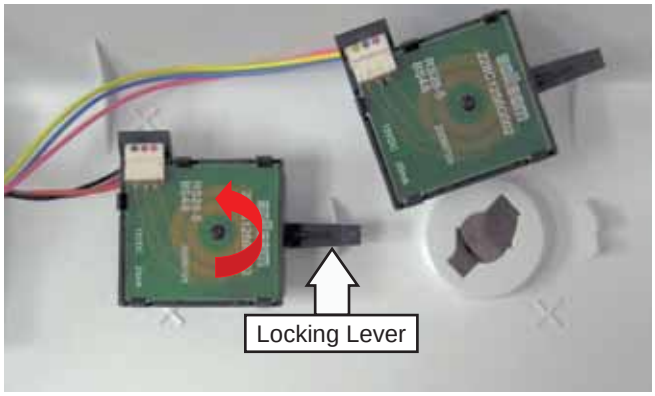
Washer Selector Controls

To replace any of the washer selector controls:

1. Remove the service panel. (See *Service Panel*.)
2. Remove the 2 Phillips-head screws and the heat shield from the cabinet.



3. Pull the selector control knob straight out from the control panel.
4. Place the control panel in the service position. (See *Control Panel*.)
5. Lift the locking lever and rotate the selector control counterclockwise.



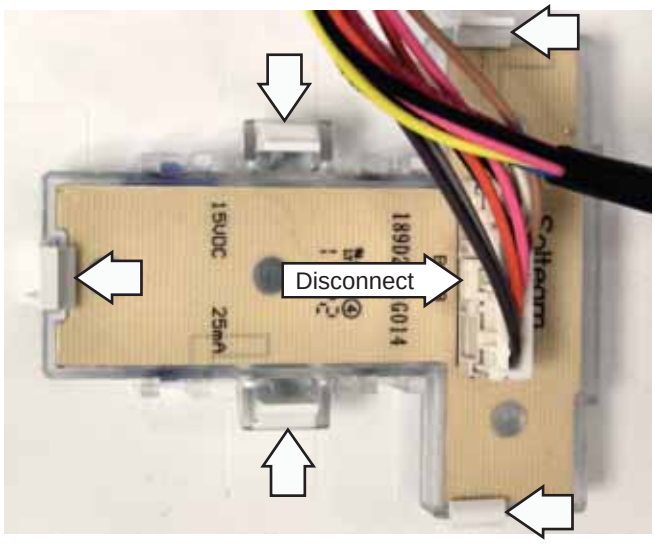
6. Remove both wire retainers and disconnect the control wire harness from the control board.

Washer Buttons and LED Assembly

The washer buttons and LED assembly contains the start/pause and fabric softener push buttons and the LED status lights.

To replace the washer buttons and LED display:

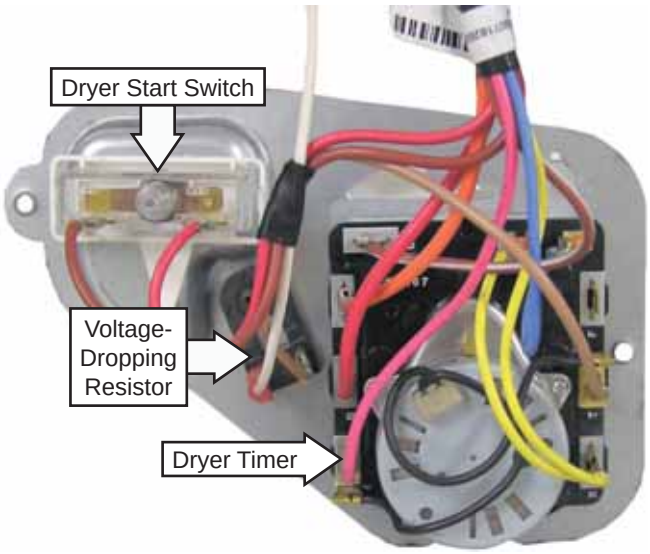
1. Remove the service panel and heat shield. (See *Service Panel* and *Washer Selector Controls*, step 2.)
2. Place the control panel in the service position. (See *Control Panel*.)
3. Disconnect the wire harness attached to the assembly.
4. Carefully release the 5 lock tabs and pull the assembly from the control panel.



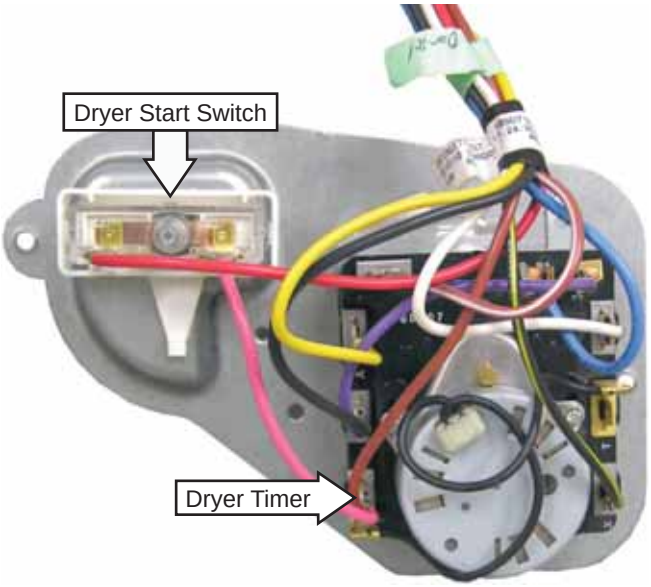
Dryer Timer and Start Switch

The dryer timer, start switch, and timer voltage-dropping resistor (electric models only) are attached to the dryer control bracket.

Note: The dryer timer motor has an approximate resistance value of 2.4K Ω.



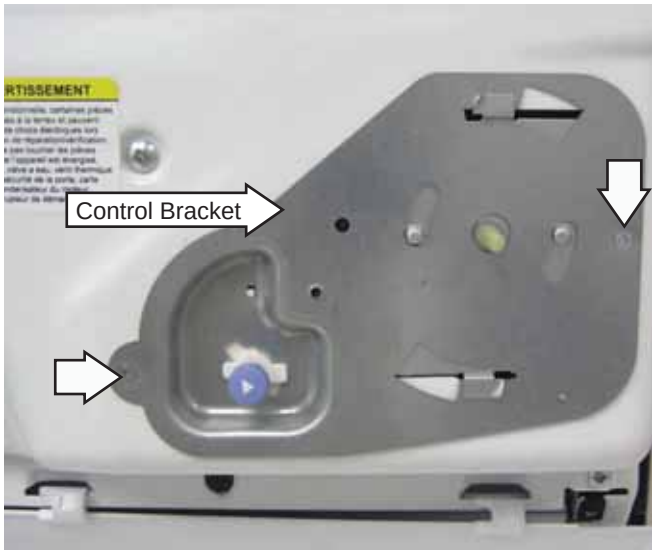
Electric Dryer Control Bracket



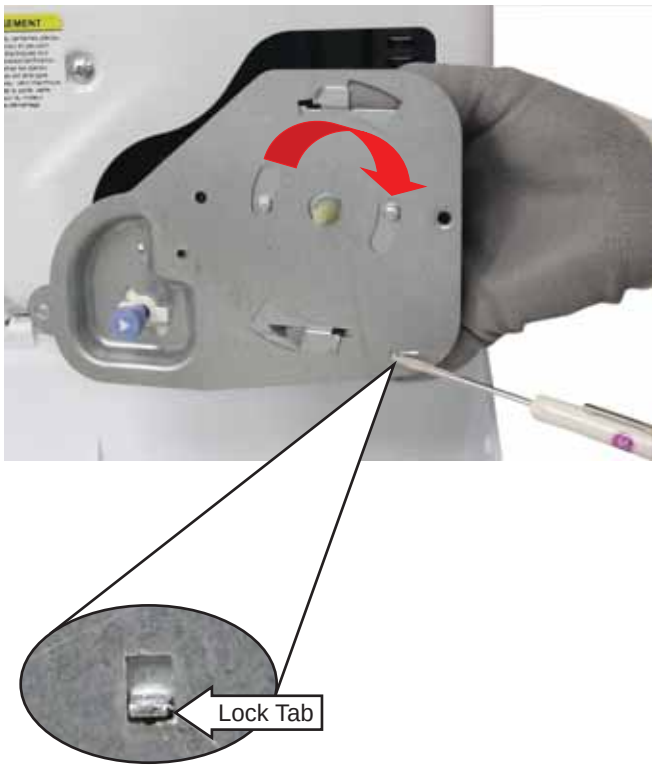
Gas Dryer Control Bracket

To replace the dryer timer:

1. Place the control panel in the service position. (See *Control Panel*.)
2. Remove the 2 Phillips-head screws from the control bracket, then remove the bracket from the front panel.



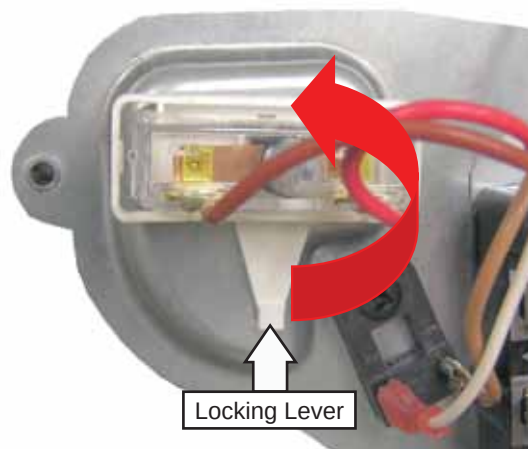
3. Mark and disconnect the wiring from the dryer timer.
4. Using a small flat blade screwdriver, push in on the lock tab while rotating the timer clockwise.



(Continued Next Page)

To replace the dryer start switch:

1. Follow steps 1 and 2 above.
2. Disconnect the wires from the start switch.
3. Lift the locking lever and rotate the start switch counterclockwise.

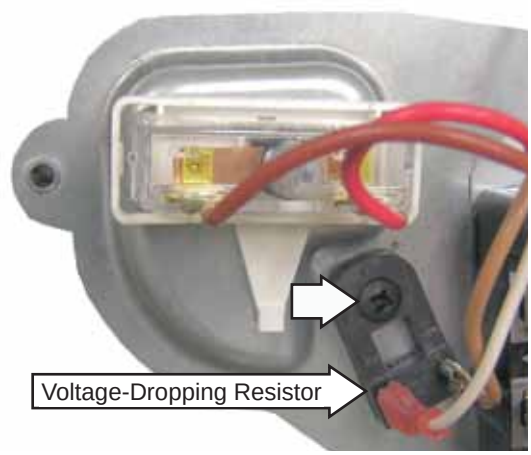


Timer Voltage - Dropping Resistor

The timer voltage-dropping resistor (on electric models) controls the run-time during automatic cycles. This 4500-ohm resistor is in series with the timer motor. When the drum outlet thermostat opens, turning off the heat – the resistor drops the 240 VAC heater circuit to 120 VAC to run the timer motor.

Note: If an open timer motor is present, or if the timer fails to advance a properly heating automatic cycle to the cool down position, check for 4500 ohms resistance at timer contacts A to T with the timer in the off or cool down position.

The resistor is held in place on the bracket with a single Phillips-head screw and has 2 wires attached.

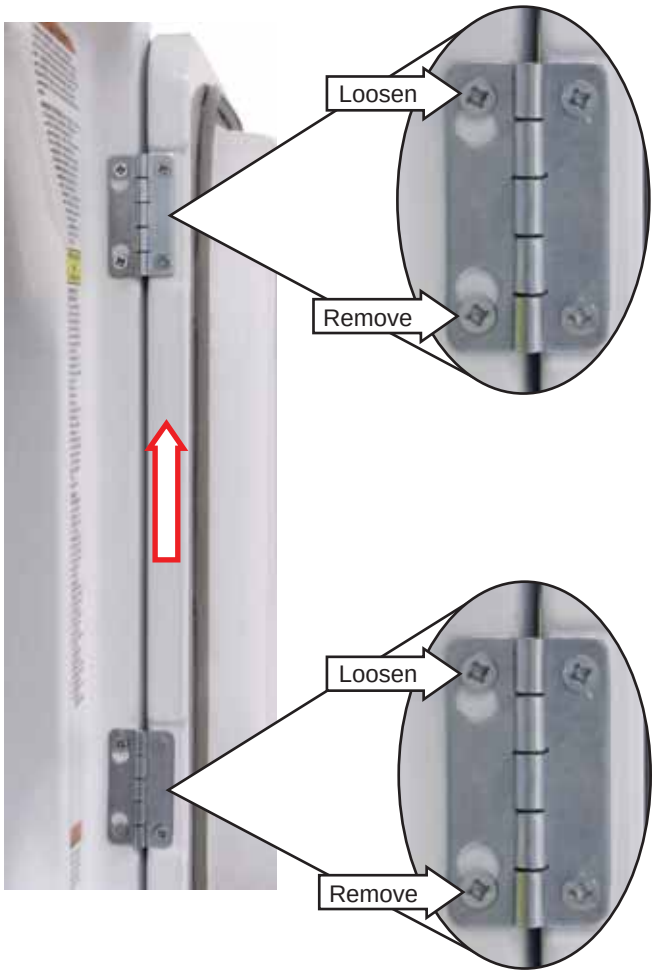


Dryer Front Panel

To remove the front panel:

Note: In the following step, removing the dryer door allows for easier manipulation of the dryer front panel.

1. Remove the bottom screw from each hinge and loosen the top screw, then lift the door off the dryer front panel.



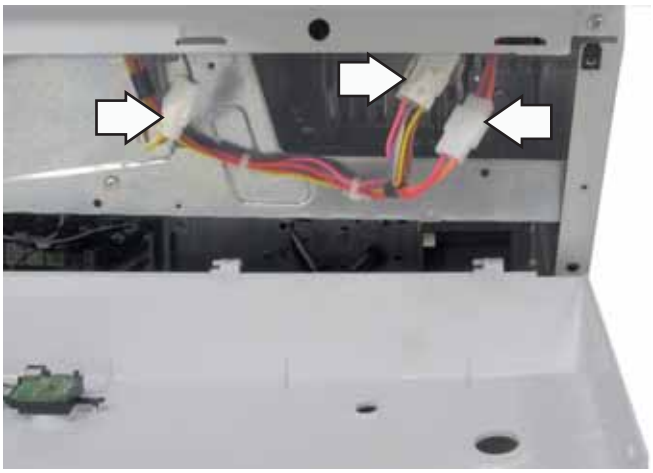
2. Remove the service panel. (See ***Service Panel***.)
3. Remove the 2 Phillips-head screws and the heat shield from the cabinet.

Note: In the following step, cover the top of the washer with a protective surface.

4. Disengage the control panel from the front panel. (See ***Control Panel***.), then place it on top of the washer.

(Continued Next Page)

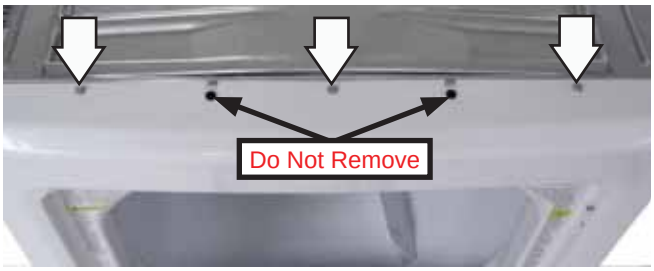
5. Unplug the harness connectors located below the right bottom corner of the front panel. (Two harness connectors for electric models, two for gas models.)



6. Remove the 4 Phillips screws from the front of the panel.

Note: In the following step, **Do Not** remove the 2 Phillips-head screws from the top of the panel.

7. Remove three 1/4-in. hex-head screws from the top of the panel.



8. Pull out on the bottom of the dryer front panel and lift to release the panel from the cabinet.

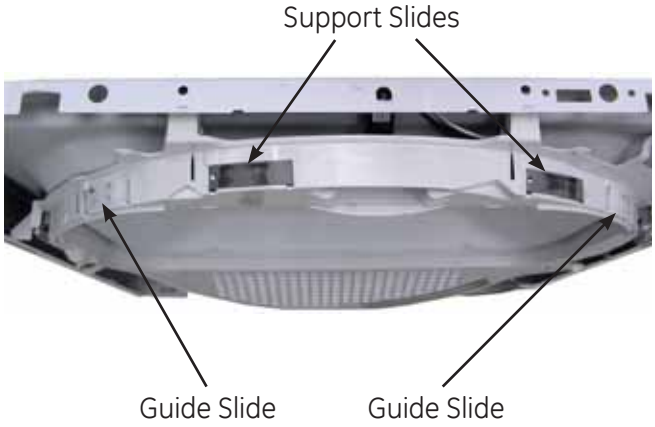
Installing the dryer front panel:

When installing the dryer front panel with the door removed, place the front panel on the top of the cabinet. Reach through the door opening to push up on the dryer drum for placement on top of the drum slide assembly.

Drum Slide Assembly

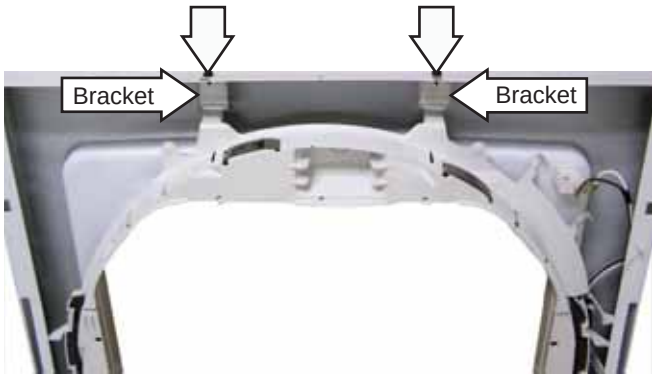
The drum slide assembly is located on the back side of the front panel and utilizes 4 drum slides. Two white outer slides are used as guides, and 2 dark color center (top) slides are used to support the weight of the drum. When replacing the slides, the dark-colored support slides must be used to replace the top support slides. Guide slides may also be replaced with support slides.

Caution: Do not replace the center (top) support slides with the white guide slides. Damage to the dryer will result.



To remove the drum slide assembly:

1. Remove the dryer front panel. (See ***Dryer Front Panel***.)
2. Remove the Phillips-head screw that attaches each bracket to the top of the front panel.
3. Grasp the top of the drum slide assembly and pull down and inward to release the assembly from the front panel.



Air Duct Assembly

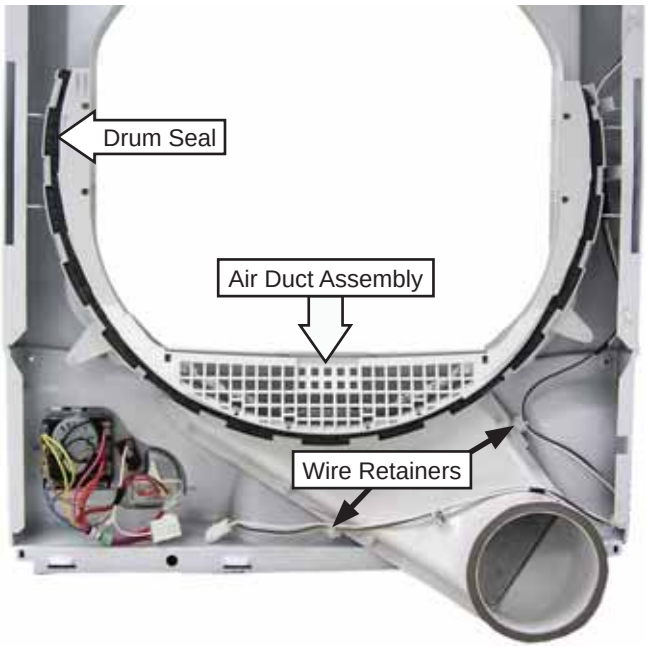
The air duct assembly houses the drum seal and the lint filter on 27-in. models. It is located on the back side of the front panel.

To remove the air duct assembly:

1. Remove the dryer front panel. (See *Dryer Front Panel*.)
2. Remove the drum slide assembly. (See *Drum Slide Assembly*.)
3. Remove the 2 Phillips-head screws that attach the air duct to the front panel.
3. Grasp each side of the air duct assembly, then unsnap and remove the air duct from the front panel.
4. Remove the 2 door switch wire retainers from the air duct assembly.

Caution: Upon reassembly, ensure that the door switch wiring is retained and routed properly to avoid contact with the drum.

Note: The drum seal can be replaced by extracting the seal from the channel located in the air duct assembly.



Door Switch

The door switch is fastened to the front panel by 2 locking tabs (1 on each side). When the dryer door is closed, the switch will complete the drum motor circuit, allowing dryer operation. When the door is open, the switch will open the drum motor circuit, interrupting dryer operation.

Note: Door switch for 27-in. model is shown below. The procedure to remove the door switch on 24-in. models is similar.

Door Switch (front view)

Door Switch (removed)

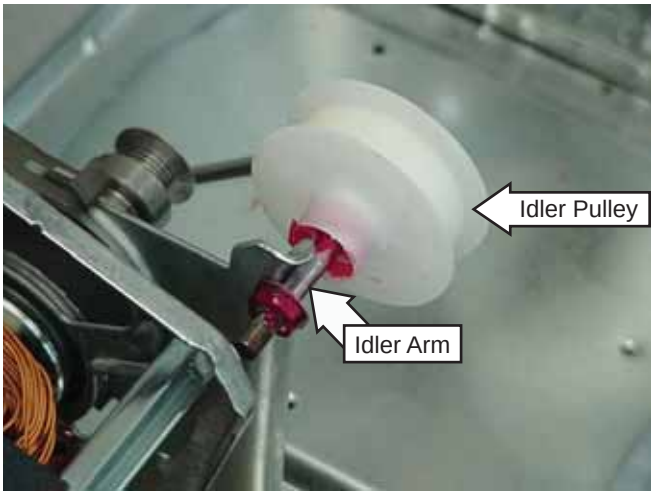
Drive Belt

WARNING: Sharp edges may be exposed when servicing the dryer. Use caution to avoid injury and wear Kevlar gloves and sleeves or equivalent protection.

The drive belt is a 4-rib belt and extends from under the motor pulley, over the top of the idler pulley, and around the perimeter of the dryer drum. (See belt diagram.) Belt tension is maintained by the idler pulley and is driven by a pulley attached to the motor shaft.

To remove the drive belt:

1. Remove the dryer front panel. (See ***Dryer Front Panel***.)
2. Reach under the right-hand side of the drum, pull the idler pulley down and to the right, and lock the idler arm on the top corner of the motor bracket to release belt tension. (See photo. Drum removed for clarity.)



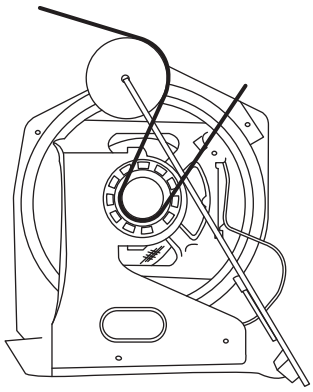
3. Disengage the belt from the motor and idler pulleys and remove through the front of the dryer.

To install the drive belt:

1. Remove the dryer front panel. (See ***Dryer Front Panel***.)
2. Reach under the right-hand side of the drum, pull the idler pulley down and to the right, and lock the pulley shaft on the top corner of the motor bracket. (See photo.)
3. Place the belt in position around the perimeter of the drum through the front of the dryer.
4. Place the belt in position around the motor pulley. (See diagram.) Release the idler pulley from the motor bracket and guide onto the belt.

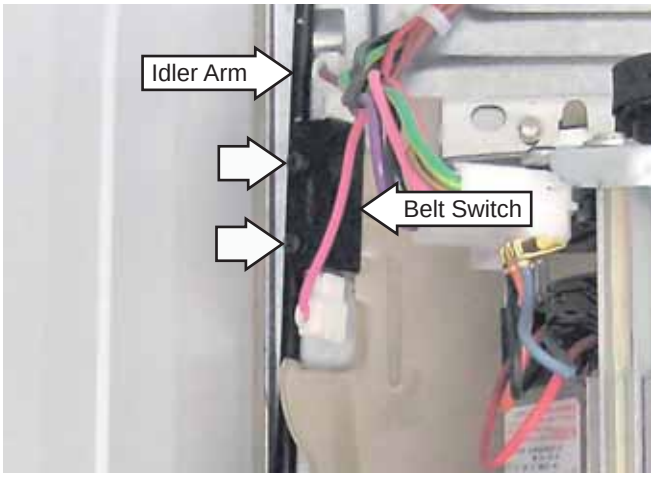
Note: Check to make sure the belt is in place and not twisted before installing the front panel. Rotate the drum by hand counterclockwise several times to ensure proper belt alignment.

Belt Installed on Pulleys



Belt Switch

A belt switch, activated by the idler arm, is fastened to the motor bracket by 2 screws. Should the drive belt break, the belt switch will open the drive motor circuit, interrupting dryer operation.



Drum

The drum has 3 replaceable baffles.

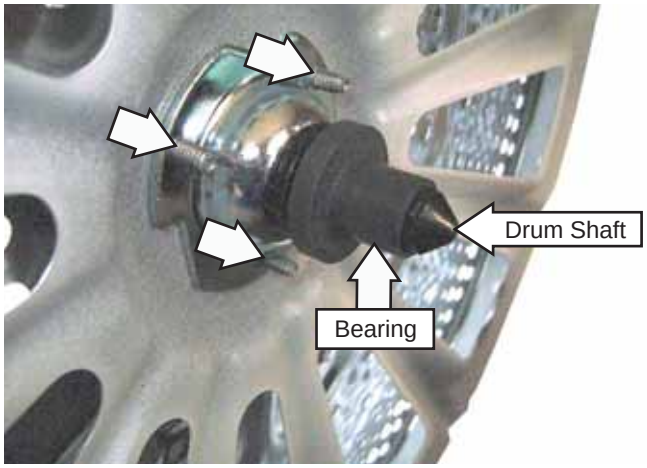
To remove the drum:

1. Remove the dryer front panel. (See ***Dryer Front Panel***.)
2. Remove the drive belt from the motor. (See ***Drive Belt***.)
3. Pull the drum forward and guide it out of the cabinet.

Drum Shaft and Bearing

The drum shaft is attached to the rear of the drum with three T-20 Torx screws. The bearing can be removed by pulling it off the shaft. The drum shaft and bearing fit into the bearing retainer in the center of the heater assembly (electric models) or diffuser assembly (gas models).

To access the drum shaft and bearing, it is necessary to remove the drum. (See ***Drum***.)



Idler Assembly

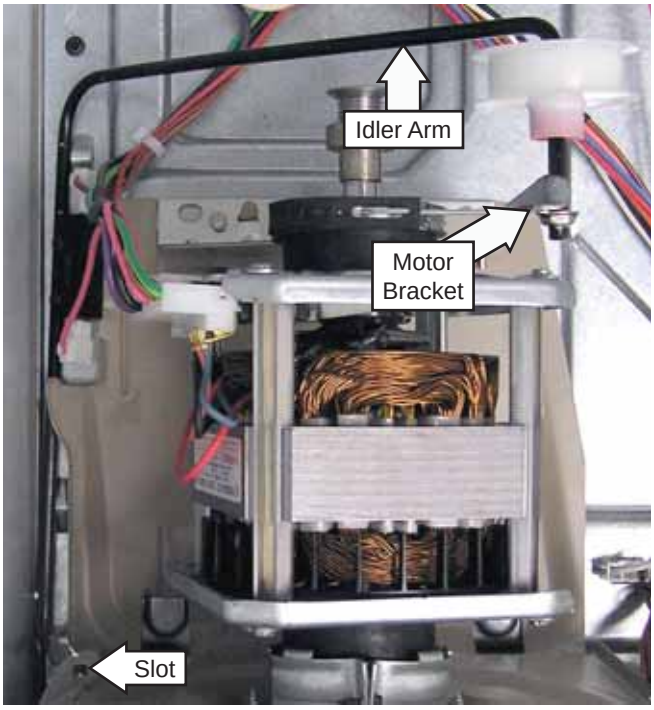
The idler assembly maintains proper tension on the belt to minimize belt slippage. The idler assembly consists of an idler pulley that rotates on an idler arm. The pulley is retained on the arm using a cap nut. The idler arm is positioned on the dryer chassis and inserted in a slot in the motor base plate. The assembly is located to the left of the motor.

To remove the idler assembly:

1. Remove the drum. (See ***Drum***.)

WARNING: The idler arm is under high tension. To prevent injury, do not let the idler arm snap back.

2. Release tension on the idler assembly by unlocking the idler arm from the top right corner of the motor bracket.
3. Remove the idler arm from the slot in the motor base plate.



4. Remove the idler assembly from the dryer.

Motor and Blower Assembly

The motor is a single-speed, dual-shaft, 1/4-hp, 1725-rpm motor with an automatic reset overload protector. The overload protector is an internal component of the motor and cannot be replaced separately. The motor contains a centrifugal switch that serves 3 purposes: It disengages the motor start winding (M6), engages the motor run winding (M5), and closes the circuit contacts (M1 to M2) for the heat source.

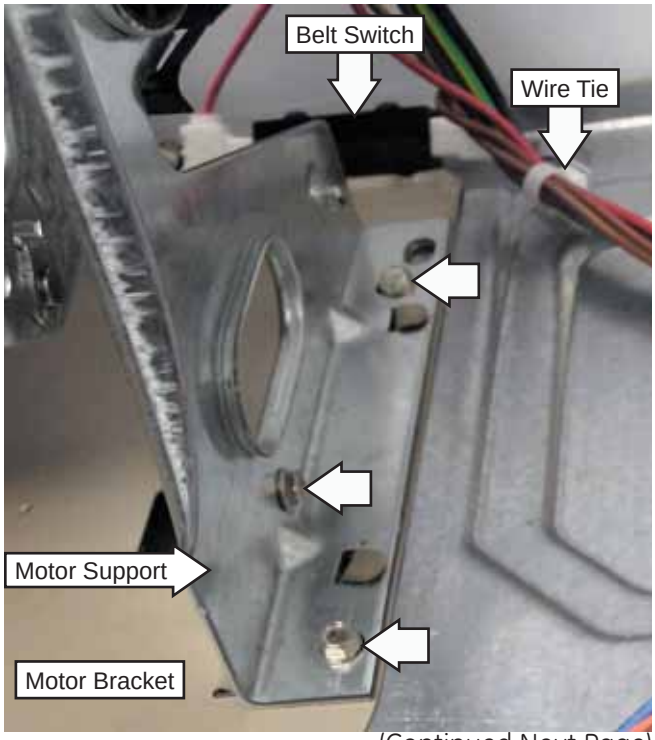
Motor resistance values:

Start winding = 4.6 ohms

Run winding = 2.5 ohms

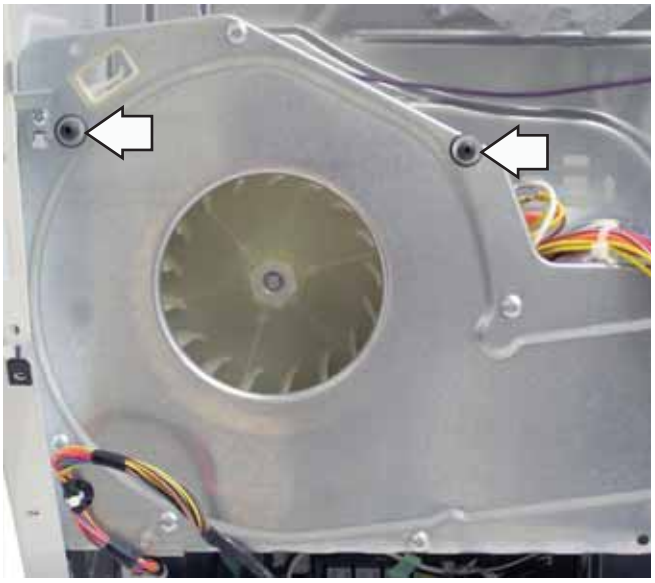
To remove the motor and blower assembly:

1. Remove the drum. (See ***Drum***.)
2. Remove the Phillips-head screw and the outlet control thermostat from the blower housing.
3. Remove the idler pulley assembly from the motor bracket. (See ***Idler Assembly***.)
4. Disconnect the motor wire harness.
5. Remove the motor harness wire tie from the dryer chassis.
6. Disconnect the wires attached to the belt switch.
7. Remove the single horizontal and 2 vertical 1/4-in. hex-head screws that attach the motor bracket and motor support to the dryer chassis.



(Continued Next Page)

8. Remove the 2 Phillips-head screws that hold the top of the motor bracket to the blower housing.



9. Raise the rear of the motor bracket to clear the tab protruding from the bottom of the chassis. Slide the motor bracket back until the bracket tabs clear the slots in the dryer chassis.

10. Remove the motor and blower wheel assembly from the dryer chassis.

Note: When installing the motor and blower wheel assembly, ensure that the 2 rear tabs on the motor bracket are inserted into the slots in the motor support, and the 2 front tabs on the motor bracket are inserted into slots provided in the chassis.

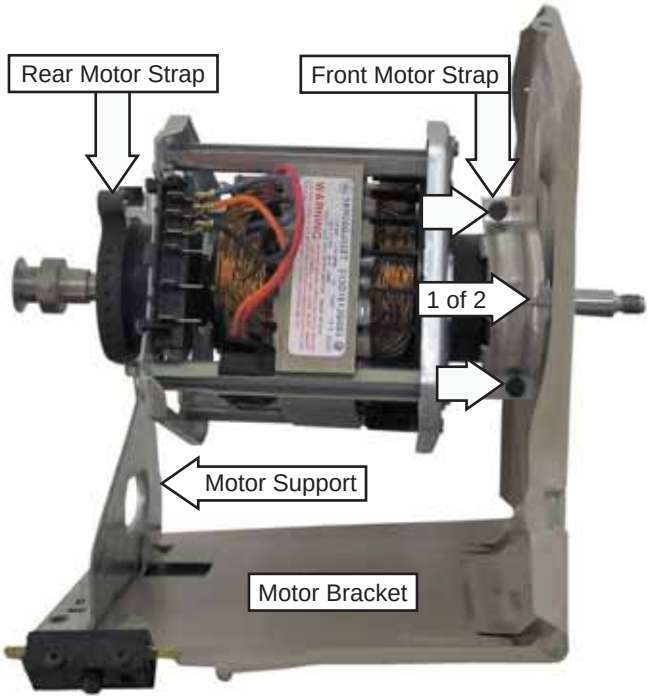
11. Hold the motor shaft from turning and use a 15/16-in. (24-mm) socket to remove the blower wheel from the motor shaft.

12. Remove the 2 Phillips-head screws that attach the front motor strap to the motor bracket.

13. Lift and remove the motor and motor support from the motor bracket.

14 Compress and remove the rear motor strap from the motor support.

15. Note the position of the front motor strap. Loosen the two 1/4-in. hex-head screws and remove the front motor strap from the motor.



Note:

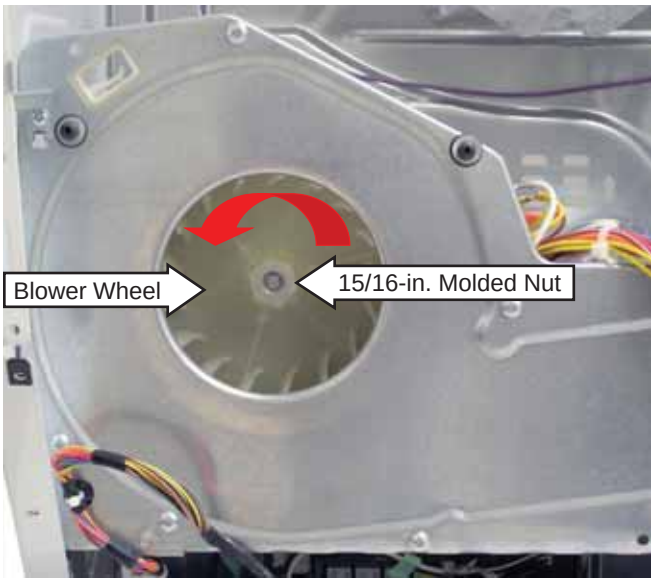
When installing the motor to the motor bracket, install the motor with the motor harness terminals at the 9:30 o'clock position.

Blower Wheel

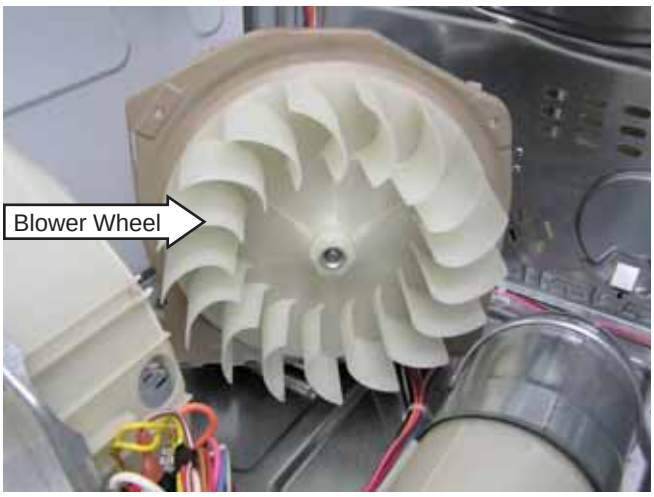
The blower wheel is held to the motor shaft with a 15/16-in. (24-mm) molded nut. To remove the blower wheel, it is necessary to remove the motor and blower assembly from the front frame.

To remove the blower wheel:

1. Remove the drum. (See ***Drum***.)
2. Hold the motor shaft from turning and use a 15/16-in. (24-mm) socket to loosen the blower wheel from the motor shaft.



3. Remove the motor and blower assembly. (See ***Motor and Blower Assembly***, follow steps 2, 3, 5, and 7 through 9.)
4. Remove the blower wheel from the motor shaft.

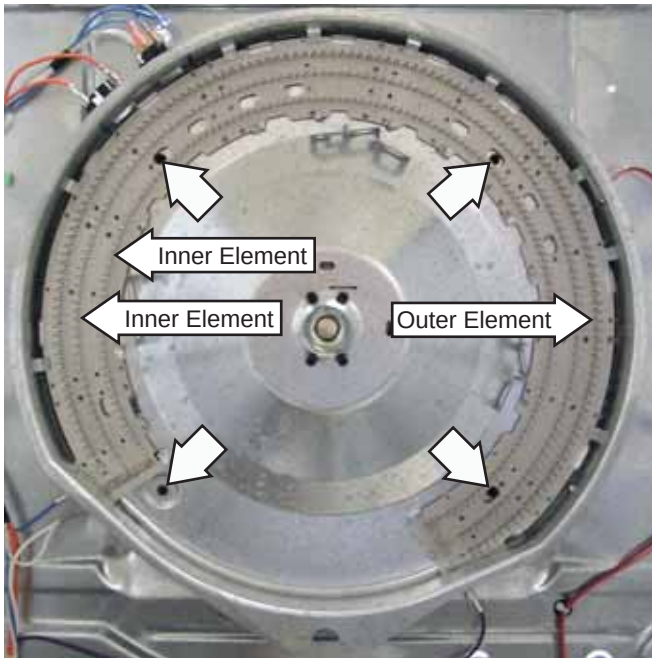


Heater Assembly

The heater assembly is located behind the drum. It consists of inner and outer open-wire elements, each formed in a zigzag pattern fastened to a single housing. The inner element consists of 2 elements wired in parallel with each.

When energized, the outer element draws approximately 9.7 amps at 240 VAC. The outer element has a resistance value of 24.7 Ω. When energized, the 2 inner elements combined draw approximately 9.7 amps at 240 VAC. The 2 inner elements have a combined resistance value of 24.7 Ω.

To access the heater assembly, it is necessary to remove the drum. (See ***Drum***.) Lead wires can then be removed from the elements, safety thermostat, inlet control thermostat, and high limit thermostat. (See **Component Locator Views**.) The heater assembly is attached to the cabinet with 4 Phillips-head screws.



Safety Thermostat

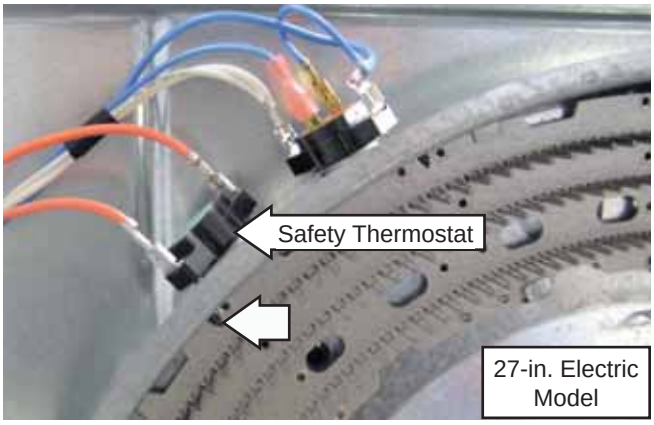
On electric models, the safety thermostat is located on the top left area of the heater housing, to the left of the inlet control thermostat. On gas models, the safety thermostat is located on the right side of the diffuser, below the high limit thermostat. The thermostat monitors incoming air temperature.

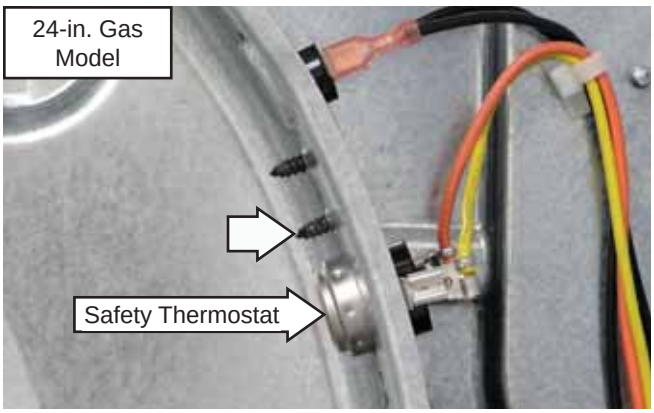
If the thermostat reaches a temperature beyond its maximum temperature rating, it will trip and disable power to the heating elements (electric models) or burner assembly (gas models).

On electric dryers, the safety thermostat opens at 235°F and will automatically reset at 205°F. On 27-in. gas dryers, the safety thermostat opens at 280°F (300°F for 24-in. models). It will automatically reset at 240°F (260°F for 24-in. models).

To remove the safety thermostat:

1. Remove the drum. (See ***Drum***.)
2. Disconnect the 2 wires from the safety thermostat.
3. Remove the Phillips-head screw that attaches the safety thermostat to the heater assembly or diffuser.
4. Lift and slide the thermostat from the heater assembly or diffuser.





Inlet Control Thermostat

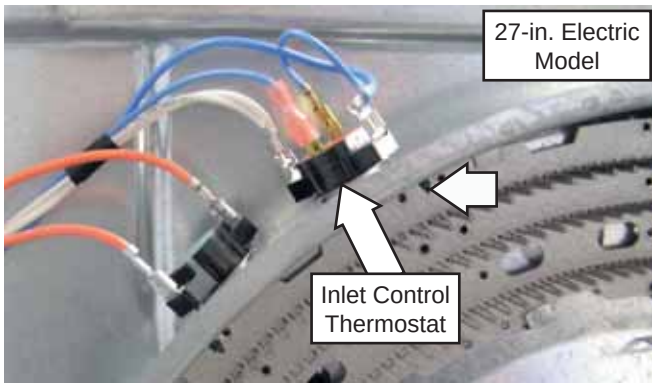
On electric models, the inlet control thermostat is located on the top left area of the heater housing, to the right of the safety thermostat. On gas models, the inlet control thermostat is located on the right side of the diffuser, below the inlet safety thermostat. The thermostat monitors incoming air temperature.

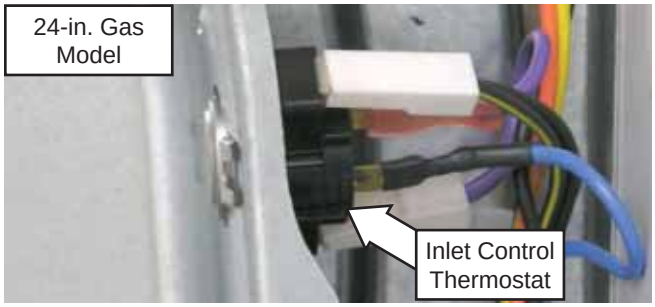
If the thermostat reaches a temperature beyond its maximum temperature rating, it will trip and disable power to the heating elements (electric models) or burner assembly (gas models).

The inlet control thermostat opens at 210°F and will automatically reset at 180°F.

To remove the inlet control thermostat:

1. Remove the drum. (See ***Drum***.)
2. Disconnect the 4 wires from the inlet control thermostat.
3. Remove the Phillips-head screw that attaches the inlet control thermostat to the heater assembly or diffuser. The inlet control thermostat on gas models utilize two locking tabs instead of a Phillips-head screw.
4. Lift and slide the thermostat from the heater assembly or diffuser.





Outlet Control Thermostat

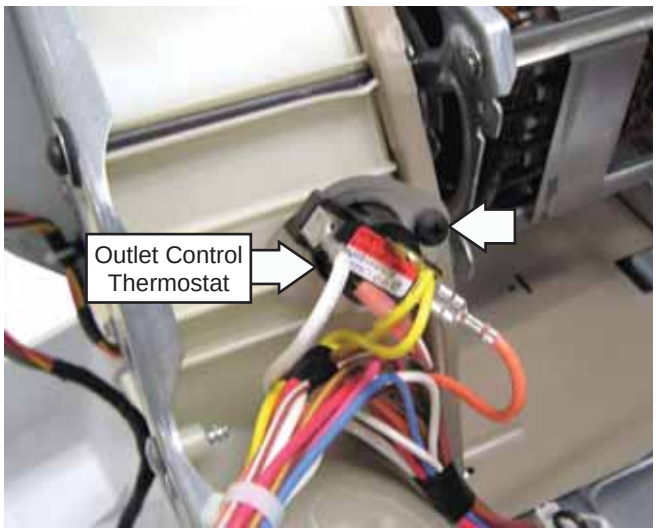
The outlet control thermostat is located on the upper, rear area of the blower housing. The outlet control thermostat monitors the outgoing air temperature.

If the thermostat reaches a temperature beyond its maximum temperature rating, it will trip and disable power to the heating elements or burner assembly.

The outlet control thermostat opens at 130°F and will automatically reset at 120°F.

To remove the outlet control thermostat:

1. Remove the drum. (See ***Drum***.)
2. Disconnect the 4 wires from the outlet control backup thermostat.
3. Remove the Phillips-head screw that attaches the outlet control thermostat to the blower housing.



27-in. Electric Model Shown

High Limit Thermostat

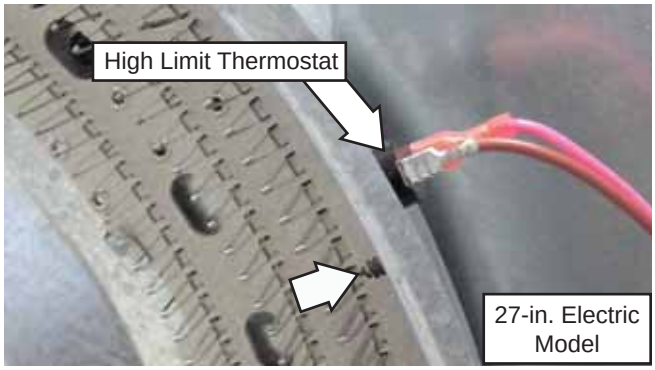
On electric models, the high limit thermostat is located on the top right area of the heater housing. On gas models, the high limit thermostat is located on the upper right side of the diffuser, above the safety thermostat. The high limit thermostat monitors incoming air temperature.

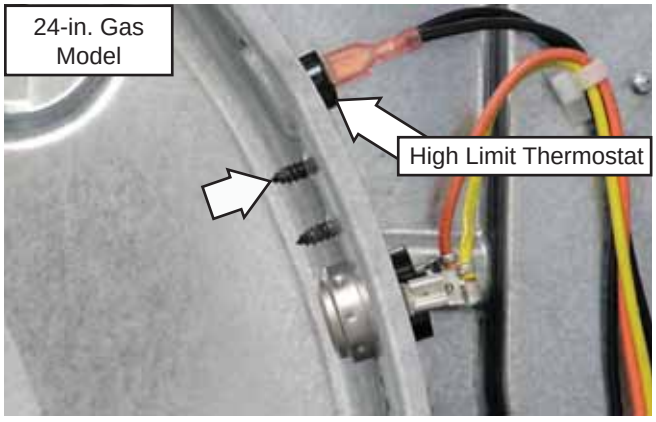
If the thermostat reaches a temperature beyond its maximum temperature rating, it will trip and disable motor operation.

The high limit thermostat opens at 315°F. and will automatically reset at 250°F.

To remove the high limit thermostat:

1. Remove the drum. (See ***Drum***.)
2. Disconnect the 2 wires from the high limit thermostat.
3. Remove the Phillips-head screw that attaches the high limit thermostat to the heater assembly or diffuser.
4. Slide the thermostat from the heater assembly or diffuser.





Burner Assembly and LP Conversion

The burner assembly consists of the gas valve coils, gas valve, burner, and inlet pipe.

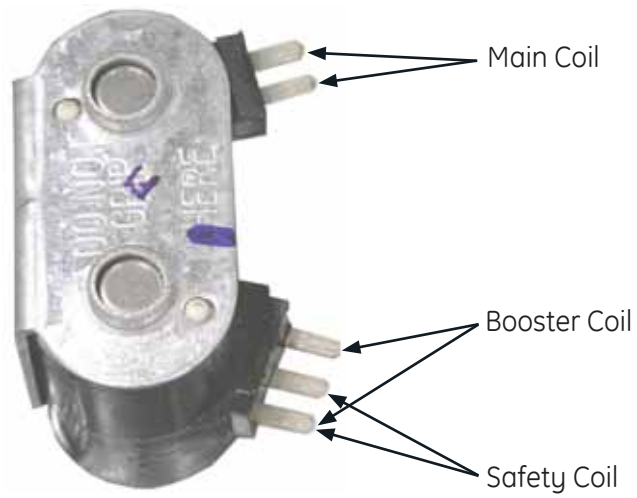
To convert the dryer from natural gas to LP gas, the burner assembly must be replaced. The burner cannot be converted to LP gas. Refer to LP conversion kit WE25x217.

Gas Valve Coils

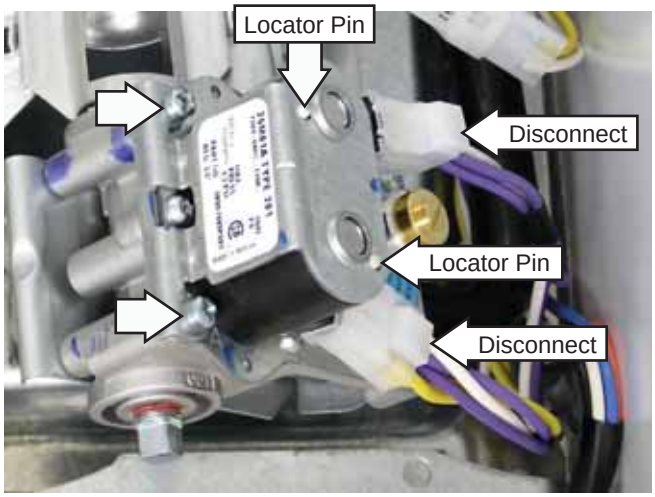
The burner assembly has a gas valve that utilizes 3 coils. A double coil (safety and booster coils combined) and a single main coil are located on top of the gas valve in front of the combustion chamber opening. All coils can be replaced separately.

Gas valve coil assembly resistance values:

- Safety coil terminals - 1400 Ω
- Booster coil terminals - 580 Ω
- Main coil terminals - 1300 Ω



1. To remove the double and main coils:
2. Remove the drum. (See ***Drum***.)
3. Disconnect the wire harness from both coils.
4. Note the position of the locator pins inserted in the coil bracket.
5. Remove the 2 Phillips-head screws that attach the coil bracket to the valve body.



6. Lift the bracket vertically. Lift coils to remove.

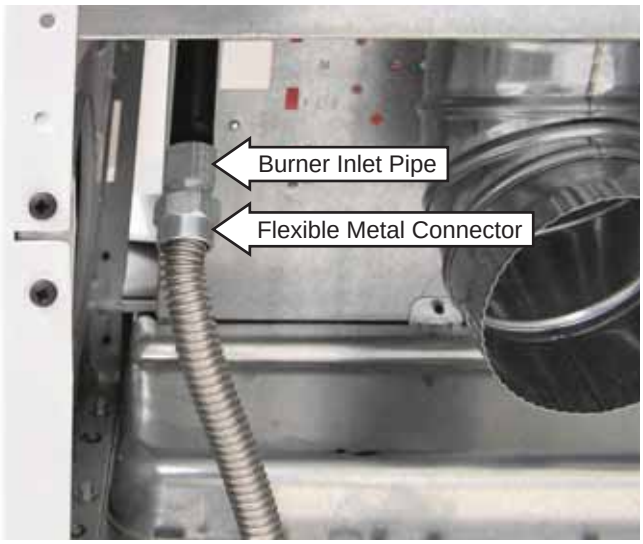
Note: Upon reassembly, ensure the locator pins are inserted into the holes provided in the coil bracket.

Gas Valve

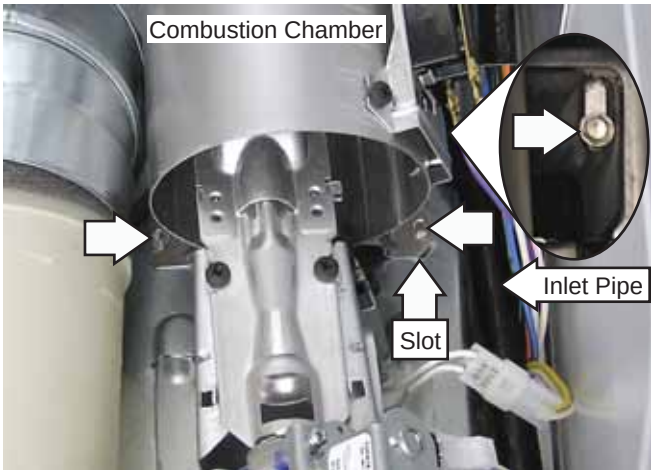
The gas valve is attached to a bracket located in the bottom, right, front corner of the dryer cabinet.

To remove the gas valve:

1. Shut off the gas supply to the unit.
2. Disconnect the flexible metal connector from the burner inlet pipe.

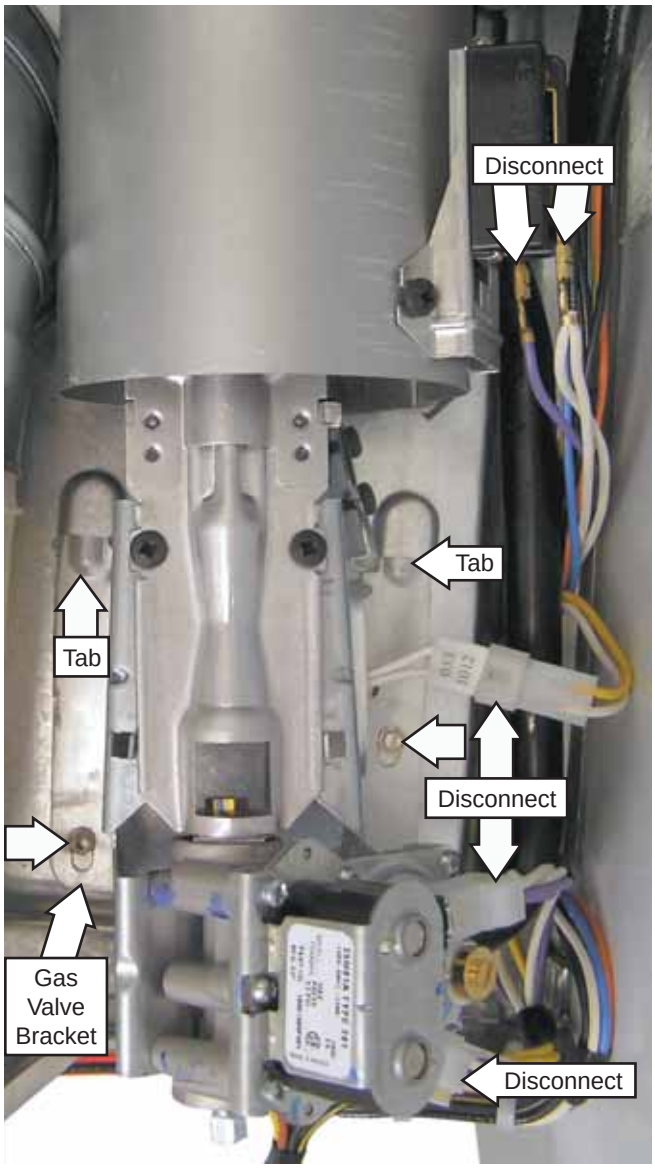


3. Remove the drum. (See *Drum*.)
4. Remove the two 1/4-in. hex-head screws that attach the combustion chamber to the dryer floor.
5. Remove the 1/4-in. hex-head screw, located underneath the flame detector, that attaches the gas valve inlet pipe to the dryer chassis.



Note: Upon reassembly, ensure the tab at the bottom of the combustion chamber is inserted into the slot located on the dryer chassis.

6. Disconnect the coil wire harness from each coil.
7. Disconnect the ignitor wire harness and the 2 wires from the flame detector.
8. Remove the two 1/4-in. hex-head screws that attach the gas valve bracket to the dryer floor.
9. Pull the bracket toward the front of the dryer to disengage tabs from dryer floor.



Note: Upon assembly, ensure the gas valve bracket is inserted under the 2 tabs located in the dryer floor.

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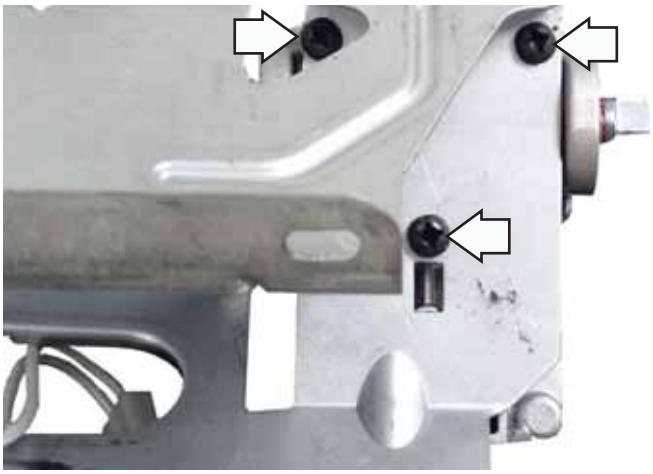
Caution: The ignitor is very fragile. To prevent breaking the ignitor, care must be taken when removing or installing the gas valve.

10. Lift the front of the combustion chamber, then maneuver the gas valve assembly from the dryer.

11. Remove the coils from the gas valve. (See *Gas Valve Coils*.)

12. Turn the bracket over. Remove the 3 Phillips-head screws that attach the gas valve to the gas valve bracket.

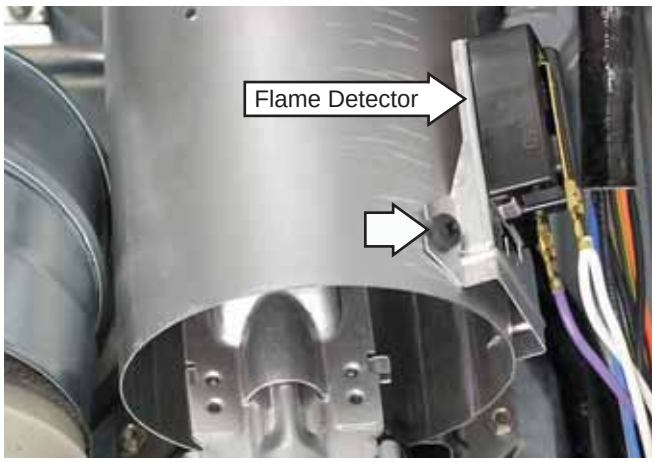


Flame Detector

The flame detector is attached to the right side of the combustion chamber.

To remove the flame detector:

1. Remove the drum. (See *Drum*.)
2. Disconnect the 2 wires from the flame detector.
3. Remove the Phillips-head screw that holds the flame detector to the combustion chamber.



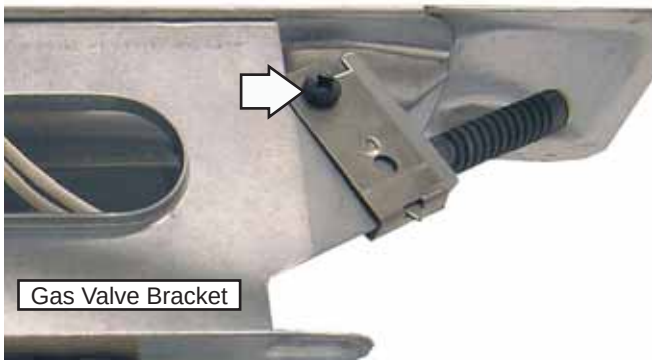
4. Remove the flame detector from the tab at the bottom.

Note: Upon reassembly, ensure the tab at the bottom of the flame detector is inserted into the slot located on the combustion chamber.

Ignitor

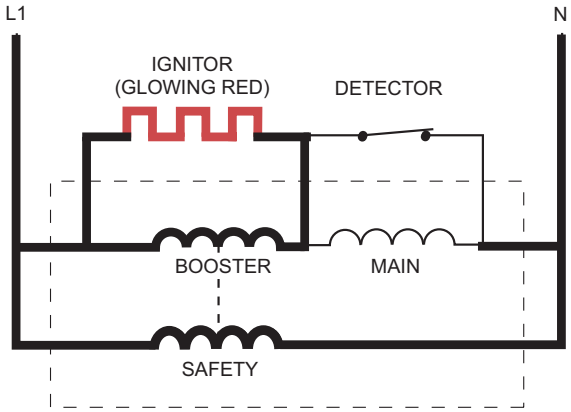
The ignitor is located at the end of the burner assembly in the combustion chamber opening and has a maximum rating of 4 amps. The ignitor has an approximate resistance value of 300 to 500 Ω.

The ignitor is attached to the gas valve bracket with a Phillips-head screw. To access the ignitor, it is necessary to remove the burner assembly. (See *Gas Valve* , steps 1 through 10.)

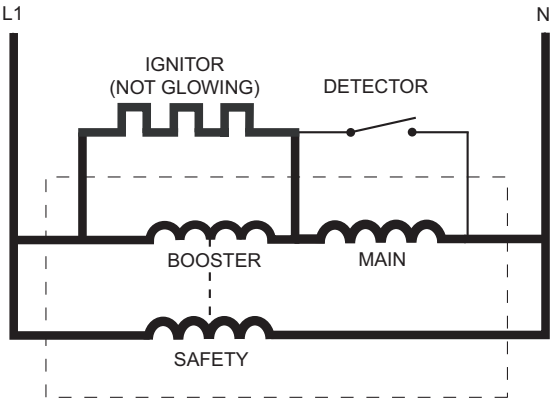


Ignitor Circuit Operation

The glo-bar ignitor circuit is made up of the following components: a gas valve with safety and main valves, ignitor, and a flame detector. The safety valve is actuated by a double coil that comprises a safety coil (resistance approximately 1400 ohms) and a booster coil (resistance approximately 580 ohms). Both coils are needed to open the safety valve. Once energized, the safety coil alone will hold the valve open. The main valve has a single coil (resistance approximately 1300 ohms).



Ignitor On



Gas Valve Open

The flame detector (less than 1 ohm) is mounted on the combustion chamber. It is normally in the closed position (N.C.). The flame detector is opened by the radiant heat produced by the glo-bar and once open, the flame detector will be held open by the radiant heat produced by the gas flame.

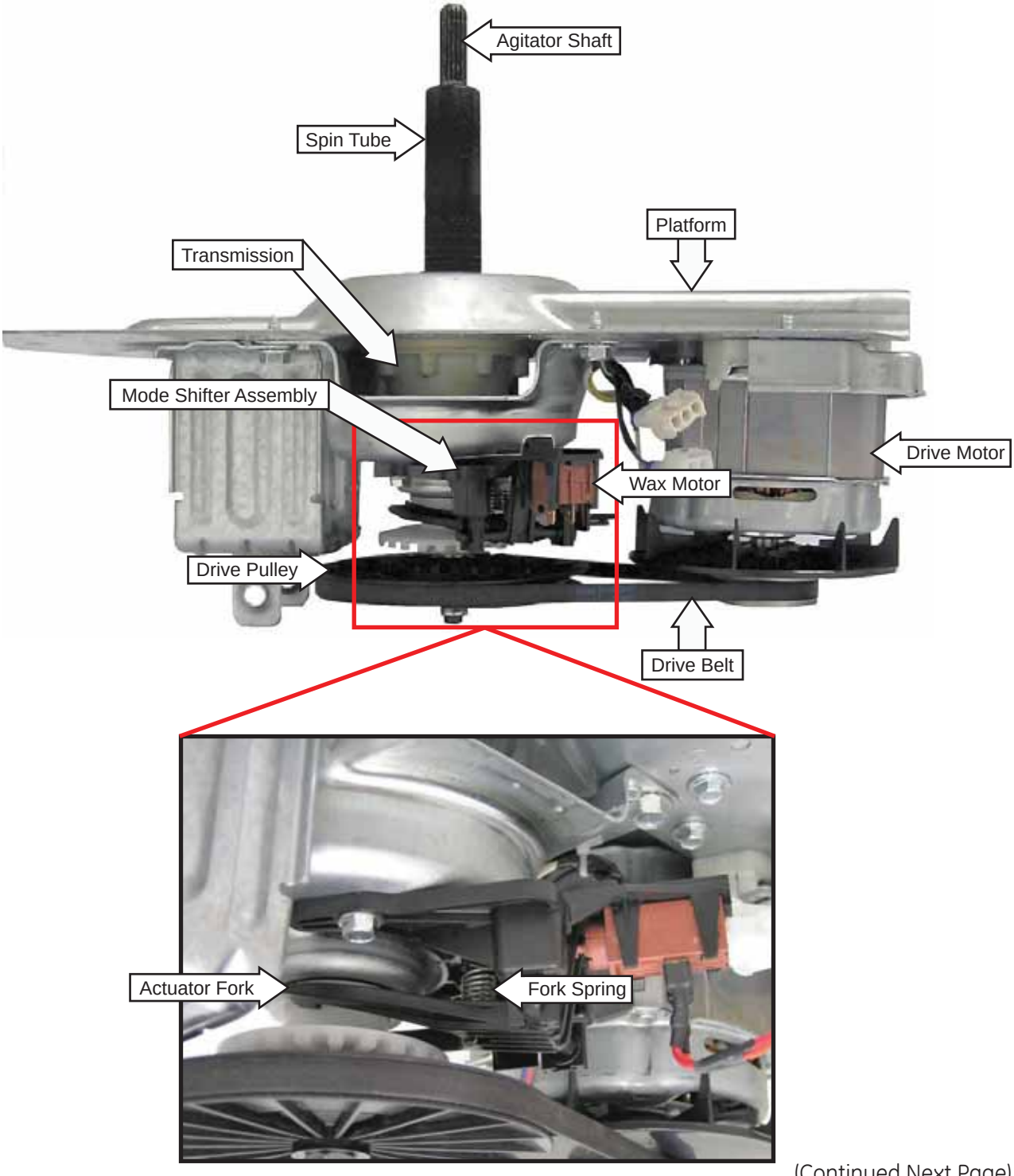
When the control system calls for heat, the following circuits are energized:

1. L1 power is sent from the timer, through the outlet control and safety thermostats, to the gas valve.
2. Neutral circuit is from the dryer harness through the door switch and motor switch M2 to M1 to the gas valve.

When the glo-bar is heating, the booster and safety coils are both energized and will open the safety valve. The main valve is closed as its coil is bypassed by the N.C. flame detector. When the glo-bar reaches ignition temperature, in approximately 60 seconds or less, the flame detector is heated and opens, placing the main coil in series with the glo-bar. The main valve opens, allowing gas to flow into the combustion chamber and ignite. The main coil, now in series with the glo-bar, causes the glo-bar to cool down. However, the flame detector is held open by the radiant heat from the gas flame. The booster coil is now also in series with the main coil and is essentially inoperative. Should a momentary power failure occur, the gas valve will shut off and an attempt to restart will not occur until the flame detector cools and resets, in approximately 30 seconds.

Washer Motor and Drive System Overview

The new GE laundry center washer incorporates a new motor and drive system. The motor is a variable speed bidirectional motor, with rpm feedback to the main board from an internal Hall sensor. Motor power is transmitted to the drive pulley by a drive belt. The drive pulley is attached to 1 end of the agitator shaft and the agitator is attached to the other. The spin tube is fixed to the washer basket at all times. The transmission mode of operation is controlled by a thermoactuator, commonly referred to as a wax motor. The wax motor controls a spring-loaded actuator fork that determines if the transmission will be in the agitate or spin mode of operation. In agitation mode, the spin tube is fixed to the platform and the agitator shaft rotates freely. In spin mode, the agitator shaft is fixed to the tube and both rotate together.



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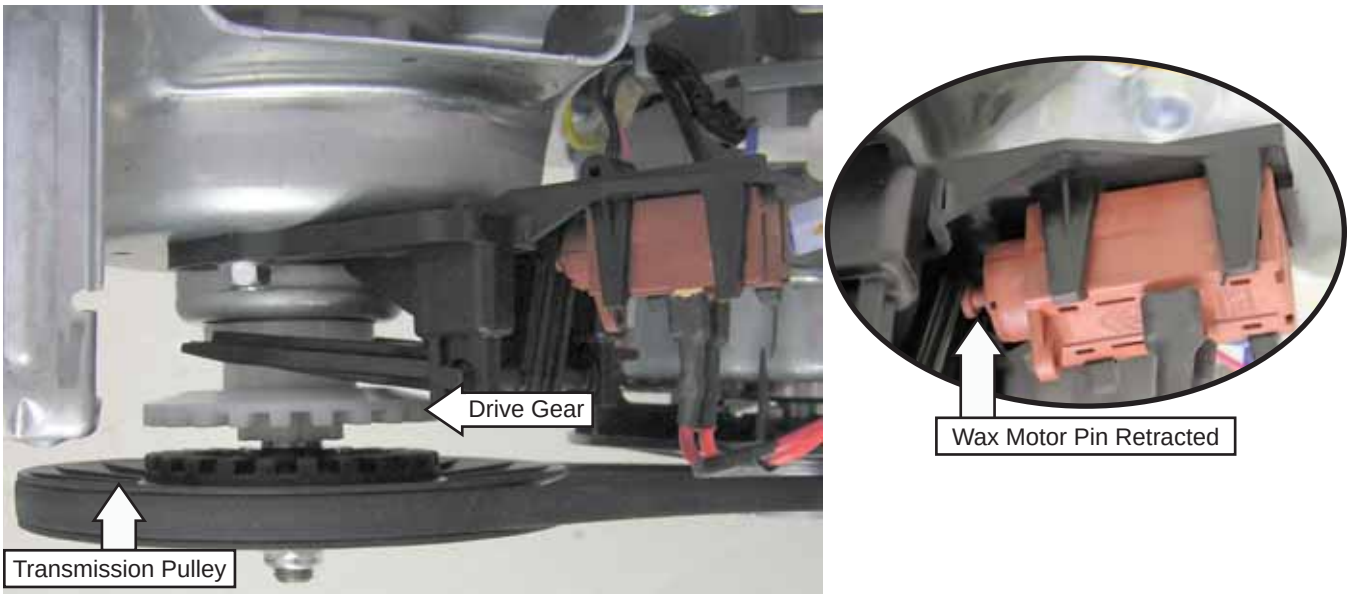
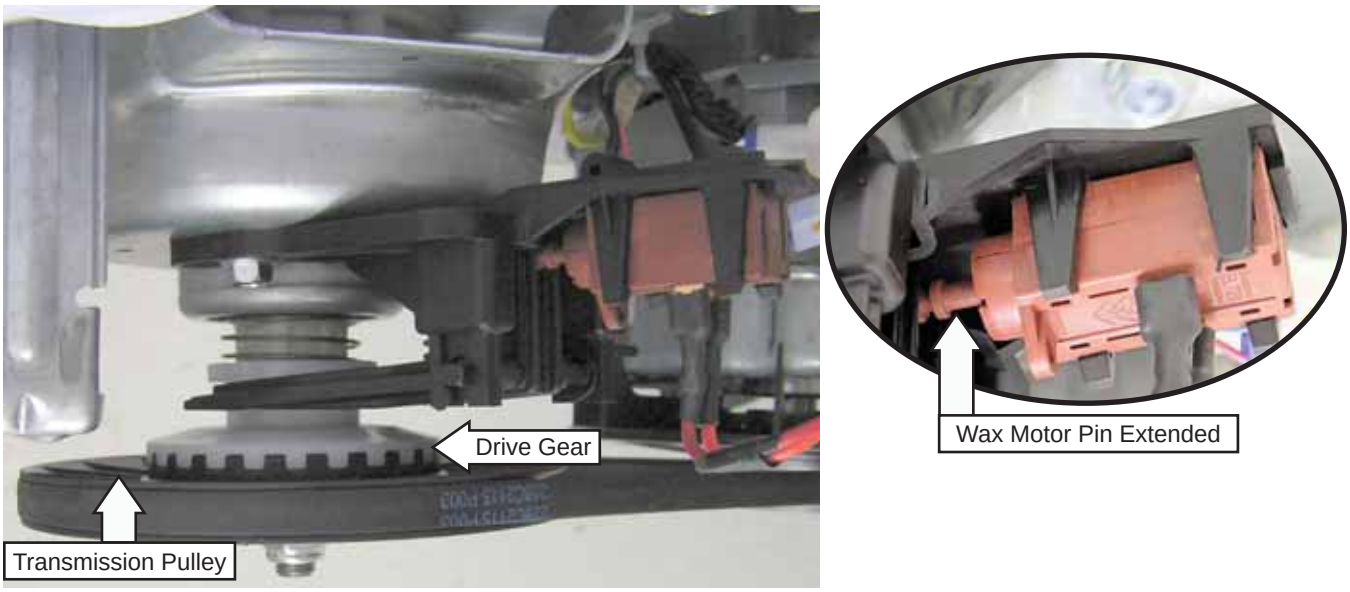
Mode Shifter Assembly and Drive Gear

Agitate/Idle Position



Note: Wax motor not energized for agitate mode; the shifter fork is held in the upward position by the fork spring that releases the drive gear that controls power to the spin tube. In this mode, all power is delivered to the transmission agitator shaft.

Spin Position

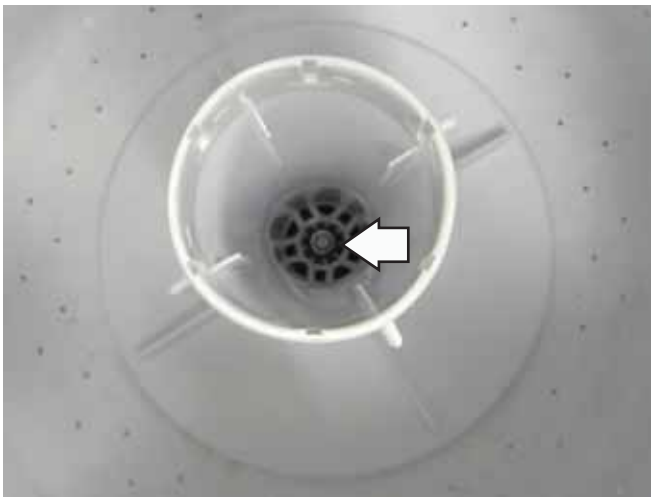


Note: Wax motor energized for spin mode; the wax motor receives 120 VAC from the control and the lid lock system. The expansion of the wax in the thermoactuator presses on the shifter fork which in turn engages the drive gear for the transmission spin tube.

Agitator

To remove the agitator:

1. Pull the fabric softener dispenser from the top of the agitator.
2. Using a 13- to 15-in. socket extension, remove the 3/8-in. hex-head bolt inside the agitator.



Note: In the following step, to protect from back injury, use agitator strap, part # WX5X1326 or equivalent.

3. Position the agitator strap as shown, then lean the washer tub forward and remove the agitator by sharply pulling up on the strap.

WARNING: Sharp edges may be exposed when servicing. Use caution to avoid injury. Wear Kevlar gloves or equivalent protection.

Front Panel

The front panel is attached to the washer cabinet by 2 bottom hooks and 2 top lock tabs.

To remove the front panel:

1. Insert a putty knife between the washer top and the front panel 4-1/8 inches from each side.
2. Press in on each lock tab and pull the top of the front panel forward.

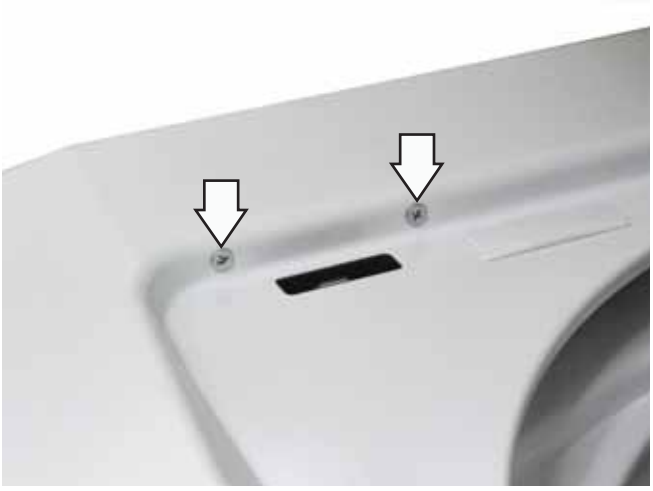
3. Lift the front panel and remove it from the bottom 2 hooks.

Cover Assembly

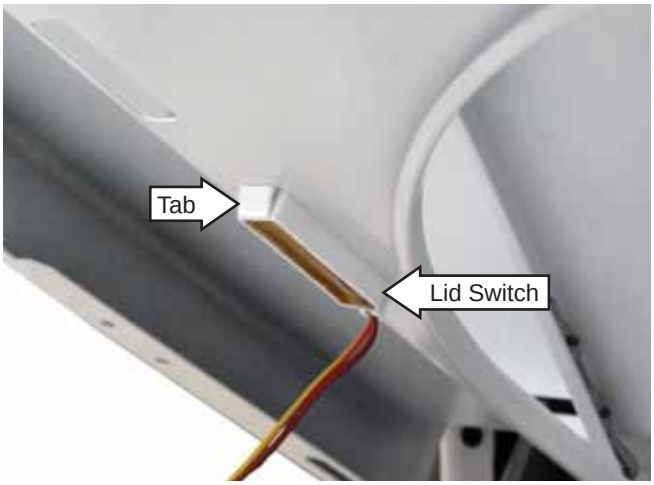
To remove the cover assembly:

1. Remove the front panel. (See ***Front Panel***.)
2. Remove the two 1/4-in. hex-head screws that attach the cover assembly to the washer.

3. Lift the cover assembly approximately 4 inches, open the lid, and then remove the 2 Phillips-head screws that attach the lid lock.



4. Reach under the cover assembly, and then firmly press in on the front lock tab to release the lid switch. Push it up from the opening in the cover assembly.



5. Pull the cover assembly from the washer.

Drain Pump

The drain pump receives 120 VAC from control board location J7 pin 3 to pin 6.

The drain pump motor has an approximate resistance value of 12 Ω.

Note:

- The pump runs whenever the washer is in the spin function of a cycle.
- The drain pump will operate if an overfill condition has occurred (Overflow protection), and 120 VAC is present at control board location J8 pin 1 to pin 2. The pump will lower the water level to the setting selected on the LOAD SIZE control.

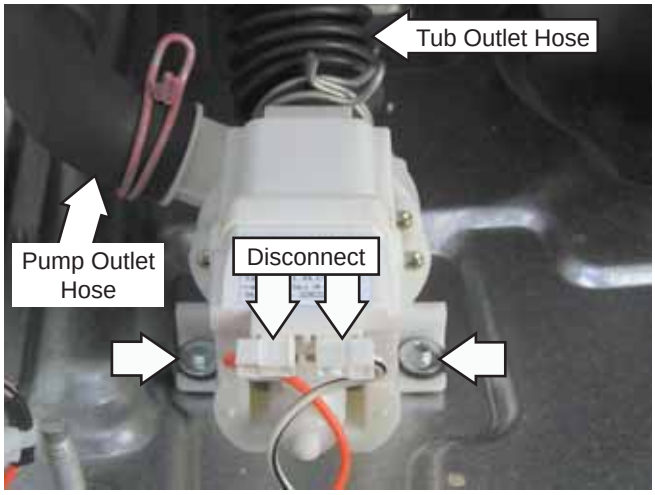
The drain pump is located in the bottom left front of the unit. The outlet hose from the bottom of the tub uses a 5/16-in. hex-head hose clamp at the tub and spring clamps at the input and output of the pump.

To remove the drain pump:

1. Remove the front panel. (See ***Front Panel***.)
2. Disconnect the pump wires.

Note: Water will remain in hoses even when the tub appears empty. Use care to avoid water spills.

3. Remove the spring clamps and hoses from the pump.
4. Remove two 1/4-in. hex-head screws that attach the drain pump to the washer chassis.



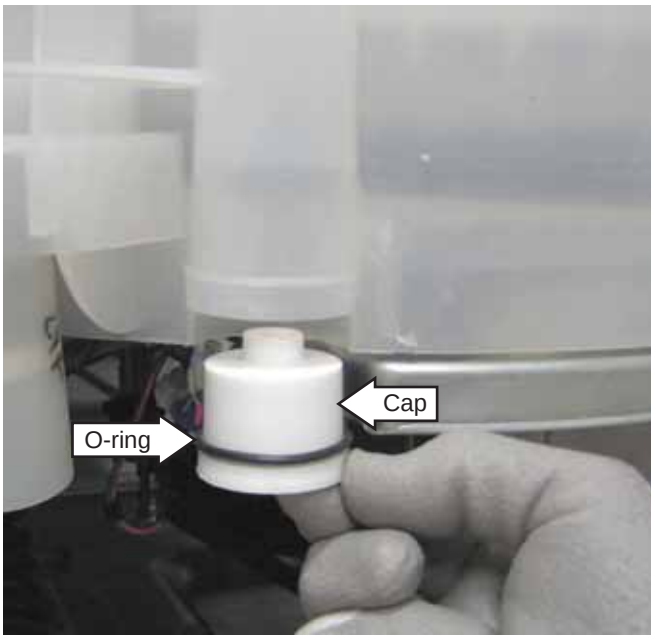
Pressure Dome Cleanout Port

The pressure dome cleanout port is located near the left front area of the outer tub. The hose connected to the pressure switch is attached to the top of the pressure dome. (See *Component Locator Views*.)

To access the pressure dome cleanout port:

1. Remove the front panel. (See *Front Panel*.)
2. Using a small flat blade screwdriver, pry down and remove the 2 spring steel clamps from the bottom of the pressure dome.

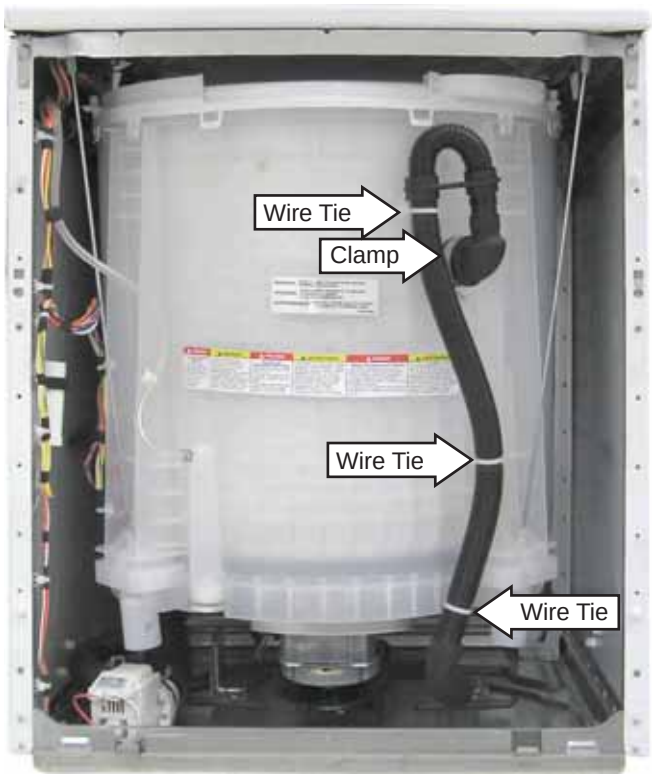
3. Pull down and remove the dome cap and O-ring.



4. Clean the interior of the dome, O-ring, and cap before reassembly.
5. Check for leaks after installing the O-ring and cap.

Overflow Pipe

The overflow hose is clamped on the right front of the tub and incorporates a high loop to minimize suds leak. The overflow hose is attached to the outer tub with 3 wire ties and a 5/16-in. hex-head clamp.



Tub Cover

Note: The tub cover can be replaced without removing the tub.

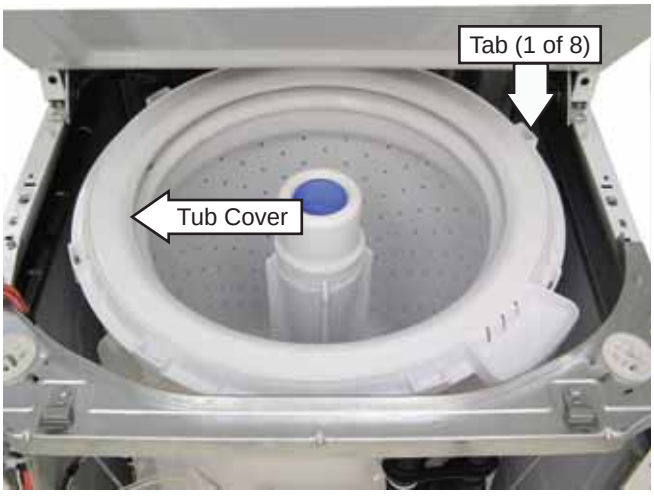
To remove the tub cover:

1. Remove the cover assembly. (See ***Cover Assembly***.)

Note: In the following step, dampening straps are not present on some 24-in. models.

2. Disconnect 4 dampening straps from the tub cover by removing four 5/16-in. hex-head screws.

3. Unsnap the 8 tabs that latch onto the rim of the outer tub.
4. Lift and remove the tub cover.



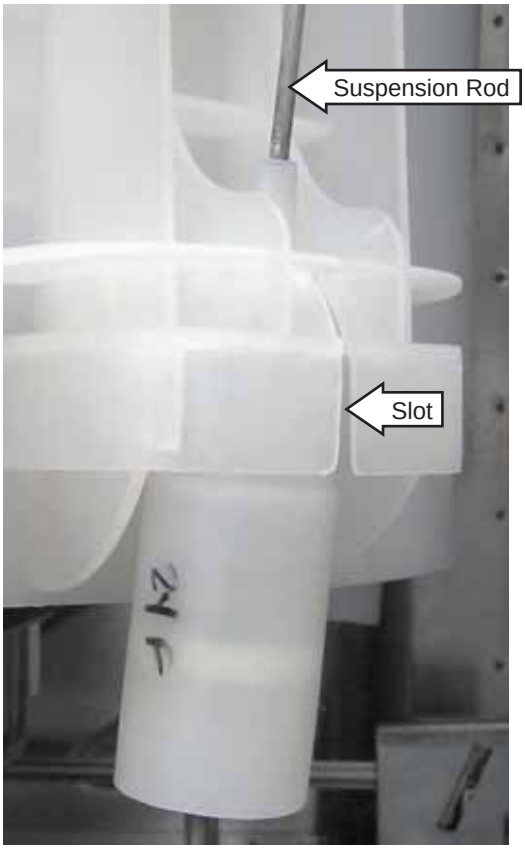
Suspension Rods

To remove the tub suspension rods:

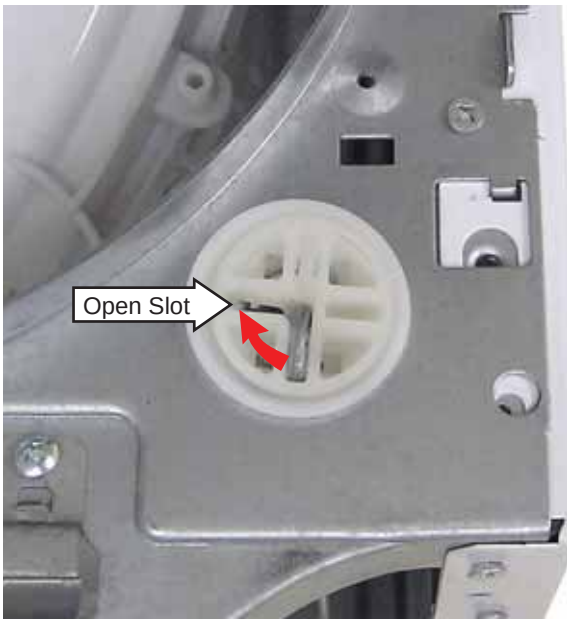
1. Remove the cover assembly. (See ***Cover Assembly***.)

Note: In the following step, dampening straps are not present on some 24-in. models.

2. Disconnect 4 dampening straps from the tub cover by removing four 5/16-in. hex-head screws. (See ***Tub Cover***.)
3. Lift up on the tub and pull the suspension rod out of the slot in the tub.



4. Lift the rod through the support cup and rotate the rod to align with the open slot in the cup. Lower the suspension rod through the slot.



5. Slide the dampening strap over the top of the strap bearing and off the suspension rod.

Washer Motor

The washer motor is a variable-speed reversible motor. 120 VAC line power is supplied by the main board on J7 pin 2. Neutral is switched for both clockwise (CW) and counterclockwise (CCW) windings from J1 pins 1 and 2. The motor has an internal Hall sensor that reports rpm information back to the control. Rpm feedback is a digital signal of 10 VDC on J5 pins 1 and 2.

The speed sensor in the motor operates on a 10 VDC signal from the control board. The control board reads the pulses from the motor to determine proper operation. This signal cannot be read with a conventional multimeter while operating. A faulty speed sensor circuit will generate a diagnostic error code. (See ***Washer Service Mode***.) To test the speed sensor, disconnect the sensor harness from the control and read AC millivolts on the sensor harness while rotating the spin basket counterclockwise (CCW).

- In wash mode, after the water valve turns off, it is normal for the motor to operate in a short stroke pattern before the regular agitation cycle begins. The motor will then run in both clockwise (CW) and counterclockwise (CCW) rotation to provide 180 degrees of agitator arc.
- In the spin/rinse mode, the motor runs only in counterclockwise (CCW) rotation. At spin startup, it is normal for the motor to pulse a couple of times in each direction – this assures the shifter gear is set for spin. A clunking noise is normal during this startup routine.
- In spin mode, the control will perform 2 ramp-ups in speed to 290 rpm and then turn the motor off until 0 rpm is reached. The control will then energize the motor for full spin.
- Final Spin speed is 670 rpm for 27-in. models and 710 rpm for 24-in. models.

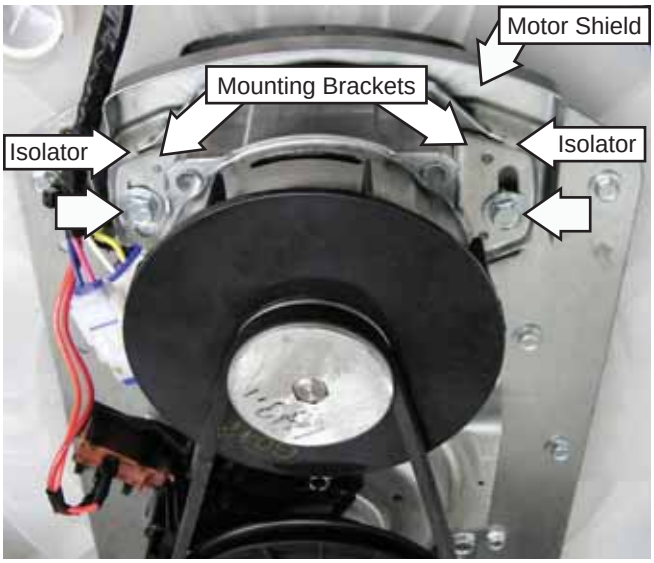
(Continued Next Page)

The motor is attached to the transmission frame with two 1/2-in. hex-head bolts.

Note: The washer motor can be replaced (with difficulty) without removing the washer tub if the installation requires it.

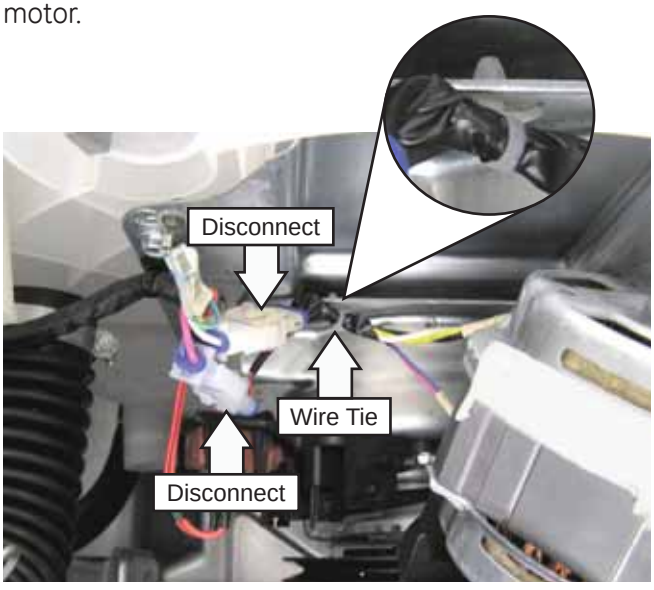
To remove the washer motor:

1. Remove the front panel. (See ***Front Panel***.)
2. Loosen the two 1/2-in. hex-head bolts that attach the motor to the outer tub.
3. Roll the belt off of the motor pulley.
4. Remove the 2 motor bolts, motor, motor shield, mounting brackets and isolators.



5. Disconnect the washer harness plugs.
6. When the motor is released; disconnect or cut the wire tie holding the motor harness to the base frame.

Note: A new wire tie comes with the replacement motor.



Lid Switch

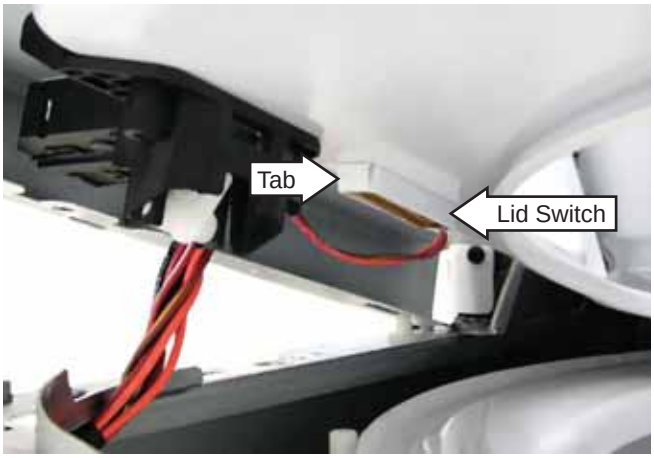
The lid switch is inserted in an opening in the cover assembly, located at the left front corner of the lid recess. The switch is held to the underside of the cover by a lock tab.

The lid switch is a safety feature that prevents the washer from agitating or spinning when the lid is open. The switch is closed by a magnet that is attached to the lid. When the lid is shut, the magnet will cause the switch to close the circuit, allowing normal functions to occur. When the lid is opened, the cycle light will flash and the switch will open the circuit, preventing agitating or spinning.

If the lid switch:

- Is closed, control board J4 pin 1 to pin 2 will measure 0 ohms.
- Is open, agitation and spin will not occur, but the washer will fill with water and pause. If an overfill condition exists the drain pump will operate.
- Is open, the automatic temperature control (ATC) is disabled.
- Opens during agitation, the control will keep the mode shifter energized. When the lid switch closes while still in agitation, the washer will resume agitation.

To access the lid switch, it is necessary to open the lid and reach under the cover assembly. To release it from the cover requires pressing the lid switch lock tab in firmly and gently pushing the switch up. The switch can then be pushed through the opening. (See ***Cover Assembly***.)

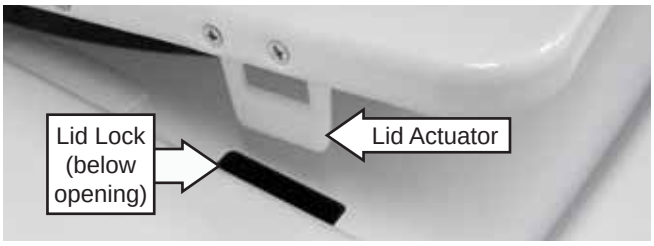


Lid Lock

When the lid is closed, the lid lock engages the lid actuator and prevents opening the lid during the spin cycle and while the basket is spinning.

The lock will be released approximately 5 seconds after the basket stops spinning.

Note: If there is a power outage the lid lock can take 3 minutes to release.



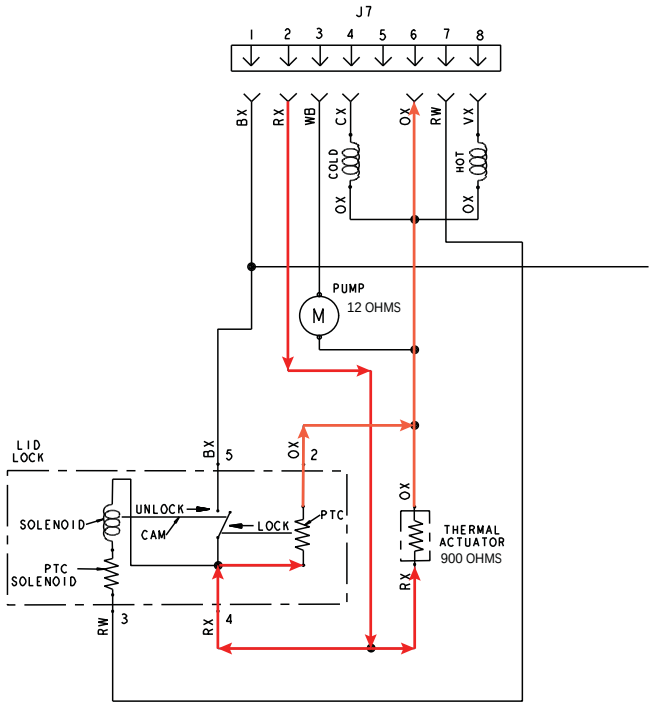
The lid lock is attached to the cover assembly with 2 Phillips-head screws. (See ***Cover Assembly***.) The lid must be open to access the screws. The cover assembly must be raised approximately 4 inches to remove the lid lock.

The lid lock is connected to the washer with a wire harness.

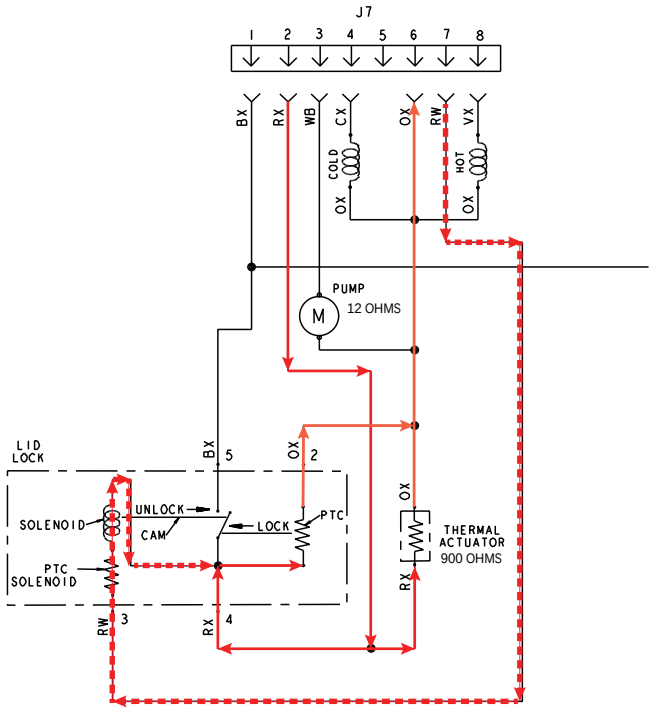
Lid Lock Overview

Any time the lid is in the down position, the lid actuator presses down on lid lock mechanism.

When the washer goes into spin or rinse, a lock routine will occur. The control sends 120 VAC to control board J7 pins 2 to 6.

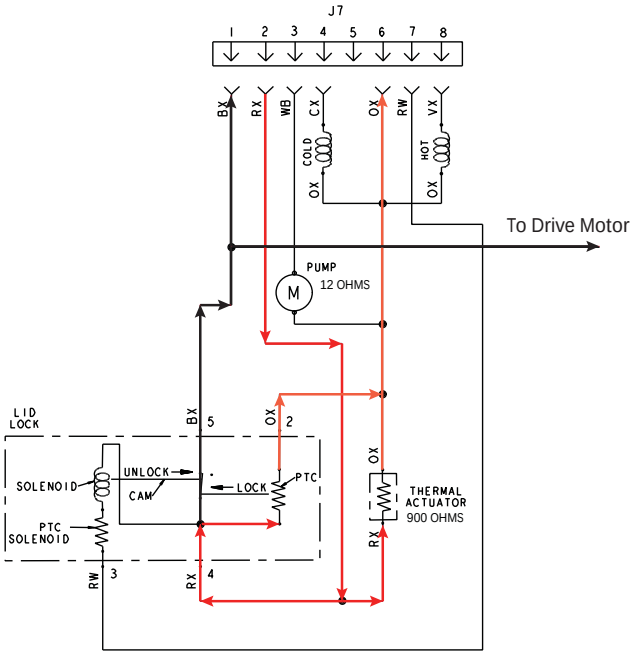


The control also sends 120 VAC to J7 pins 6 and 7. An audible click will be heard, and the lid will now be in the locked position and cannot be opened.

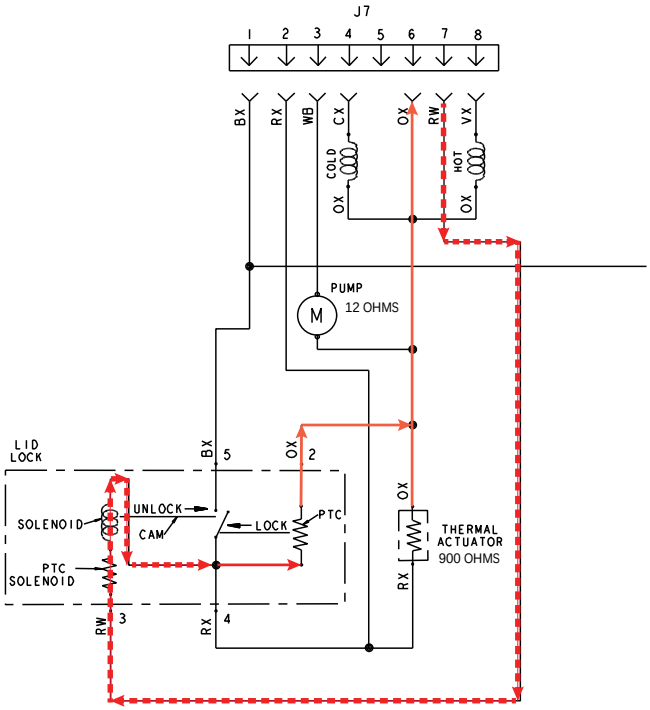


(Continued Next Page)

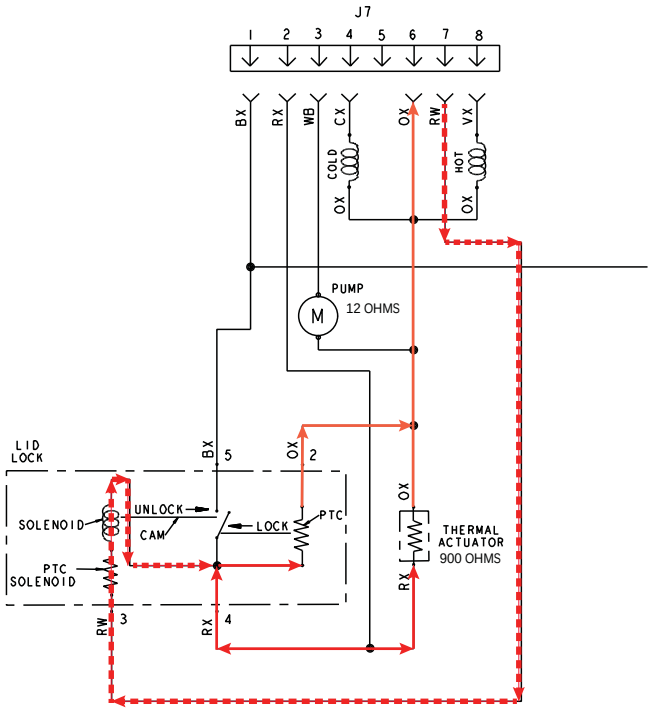
The lid lock now completes a circuit from J7 pins 1 to 2 at the control board. The control will be able to activate the drive motor for spin. If the lid lock fails to complete the drive motor circuit, 120 VAC will be present at control board J7 pins 1 to 2.



The lid will remain locked until the end of the spin cycle and the control board has received 0 rpm feedback from the motor Hall sensor. The control will then unlock the lid by energizing the lock solenoid through pin 7 to 6.



If the lid lock fails to complete the circuit to J7 pins 1 and 2; the control will make 5 attempts to lock the lid. (An audible click will be heard each time.) If after 5 attempts the lid lock routine fails to lock the lid, the control will pause for 4.25 minutes and attempt the lock routine again (3 times). If the lid will not lock, the control will enter a failure mode and display a failure code to the user.



Water Pressure Sensor

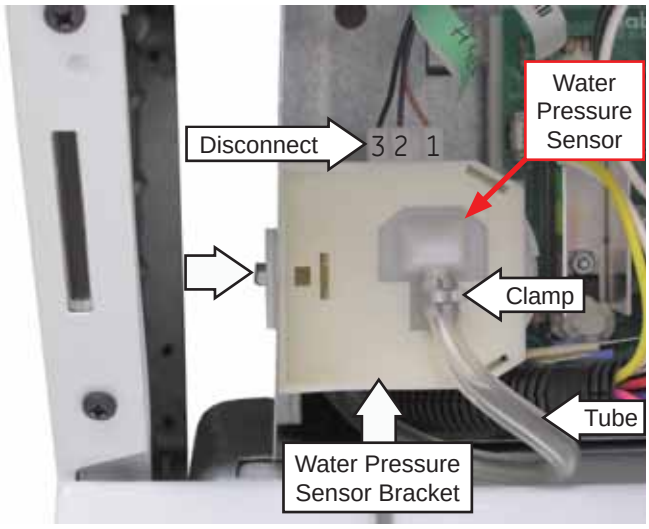
The water pressure sensor is located to the left of the washer control board.

The sensor operates on low voltage DC that can be read from the control board connector J10. The voltage will increase from 1.2 VDC (empty) to 3.6 VDC (full) across terminals 1-2, tan to violet.

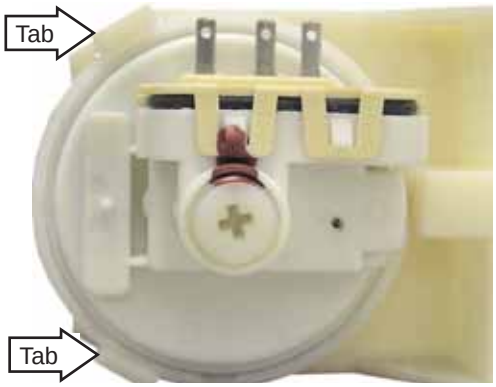
Terminals 2-3, violet to black, will read the inverse voltage, the voltage will decrease on fill. This test is performed at the control board with the harness attached.

To remove the water pressure sensor:

1. Remove the service panel. (See ***Service Panel***.)
2. Remove the squeeze-type clamp and pressure tube from the water pressure sensor.
3. Disconnect the wire harness.
4. Remove the 1/4-in. hex-head screw that attaches the water pressure sensor bracket to the frame.



5. Release the 2 tabs and remove the water pressure sensor from the bracket.



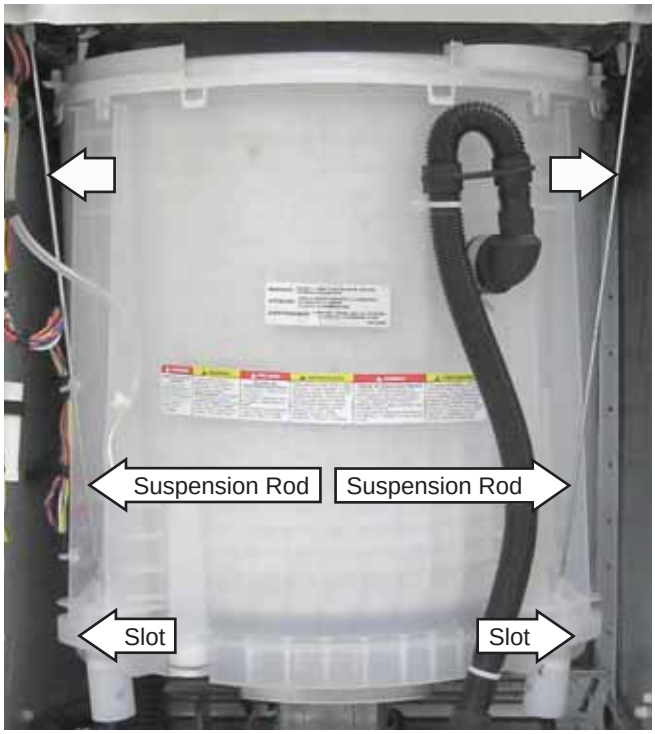
Spin Basket

To remove the spin basket:

1. Remove the cover assembly. (See ***Cover Assembly***.)
2. Remove the agitator. (See ***Agitator***.)

Note: In the following step, dampening straps are not present on some 24-in. models.

3. Disconnect 4 dampening straps from the tub cover by removing four 5/16-in. hex-head screws. (See ***Tub Cover***.)
4. Lift the tub and pull each front suspension rod out of the slot in the tub.



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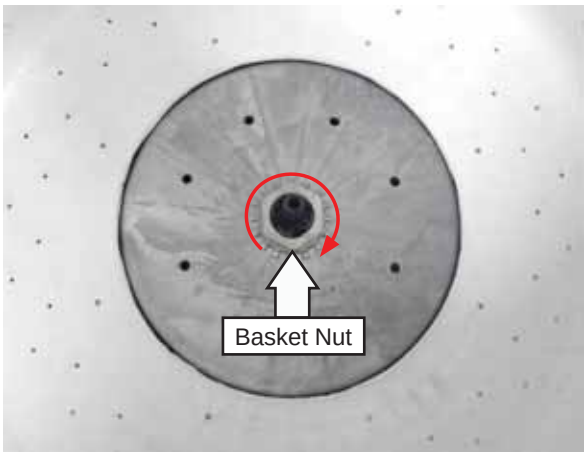
4. Remove the 4 Phillips-head screws on each side of the frame. Lift and remove the frame.

5. Lift 8 tabs and remove the tub cover.

6. Using a 1-11/16 in. impact socket or tub nut spanner wrench, remove the basket nut. (Clockwise to loosen.)

Note: When installing the basket, tighten the basket nut to 85 ft. lbs of torque.

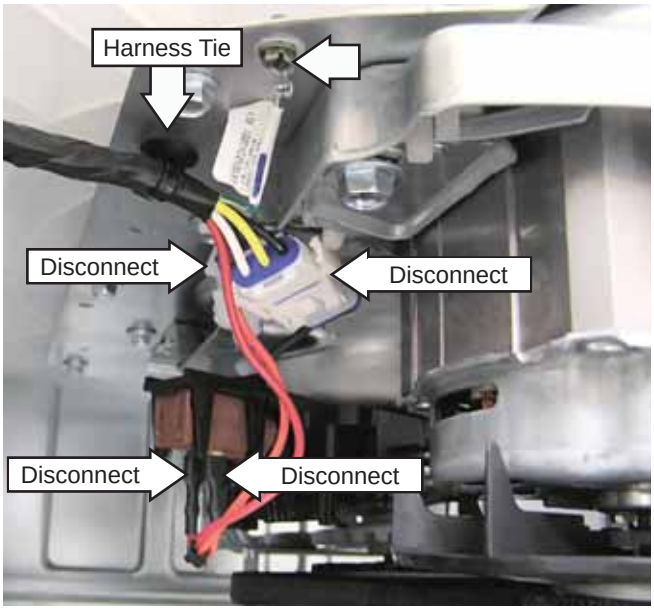


7. Lift the basket from the outer tub.

Outer Tub

To remove the outer tub:

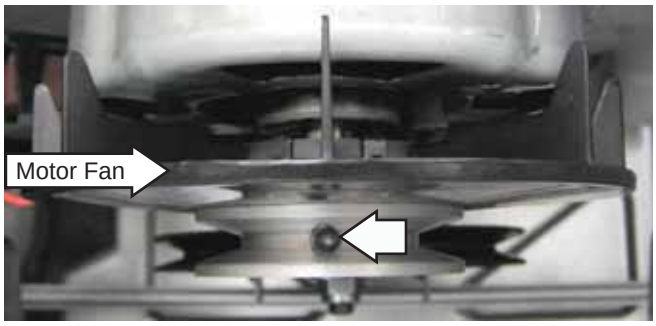
1. Remove the cover assembly. (See ***Cover Assembly***.)
2. Disconnect the 2 motor harnesses, wax motor wiring, and remove the 1/4-in. hex-head screw and ground wire.
3. Pry down on the harness tie to remove the harness from the frame.



4. Loosen the 5/16-in. hex-head screw and remove the tub outlet hose from the bottom of the outer tub.

Caution: To prevent damage to the plastic motor fan on the bottom of the motor, it may be helpful to remove the motor pulley and motor fan.

5. Roll the belt off of the motor pulley.
6. Loosen the 1/8-in. hex-head set screw, then remove the motor pulley and motor fan from the motor.



7. Remove the wire harness ties, pressure switch hose tie, and pressure switch clamp and hose from the outer tub.

Note: In the following step, dampening straps are not present on some 24-in. models.

8. Disconnect 4 dampening straps from the tub cover by removing four 5/16-in. hex-head screws. (See ***Tub Cover***.)
9. Lift the outer tub and release the 2 front suspension rods.

(Continued Next Page)

10. Remove the 4 Phillips-head screws on each side of the frame. Lift and remove the frame.

11. Move the outer tub to the rear of the machine at the bottom and tilt it forward to access the rear support rods.

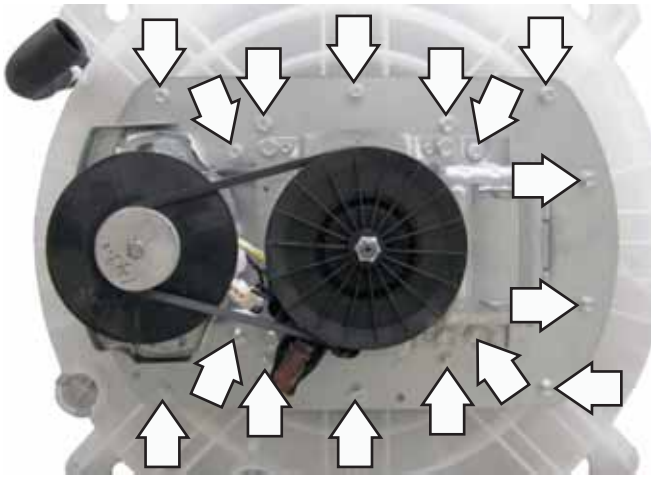
12. Once the outer tub is tilted forward; reach in at the rear and push the rear suspension rods out of the tub slots to release.

13. Lift and remove the tub assembly from the cabinet and place it on a protected surface.

Transmission Assembly

To remove the transmission assembly:

1. Remove the spin basket. (See *Spin Basket*.)
2. Remove the outer tub. (See *Outer Tub*.)
3. Invert the tub assembly on a protected surface.
4. Remove the 3/8-in. hex-head bolts that hold the transmission assembly to the bottom of the tub. (16 bolts for 27-in model and 14 bolts for 24-in. model.)



5. Transfer the motor and belt to the new transmission assembly.

Important: A new tub seal is supplied with the new transmission assembly. Press the new seal into the bottom of the tub before installing the transmission.

Important: After installing the transmission assembly to the outer tub, transfer the flat washer to the transmission spin tube before installing the spin basket.

Water Valve

Each water valve coil has an approximate resistance value of 1.1K Ω.

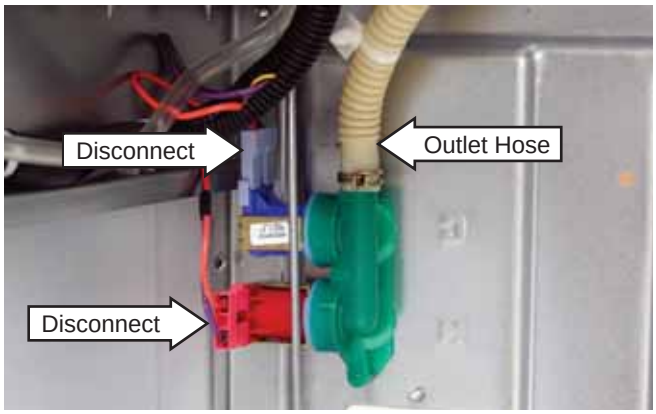
To remove the water valve:

Note: To replace the water inlet valve; the entire unit must be removed from its location.

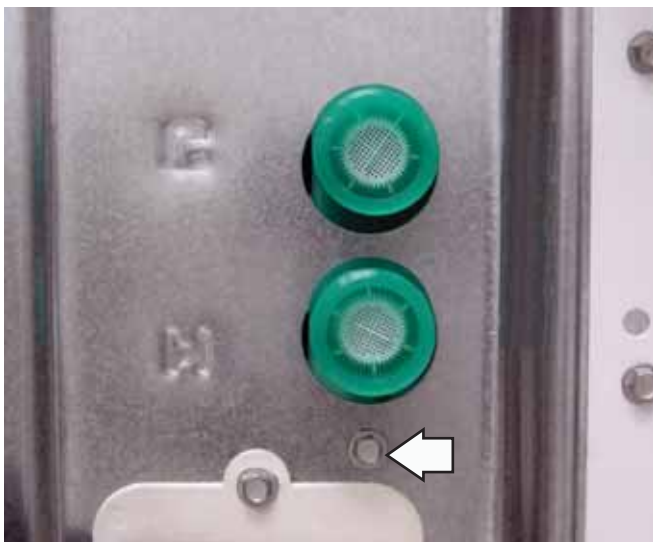
1. Remove the entire unit from its location.
2. Turn off the water supply to the appliance.
3. Remove the fill hoses from the water valve.
4. Remove the cover assembly. (See *Cover Assembly*.)

Note: To increase access to the valve, it may be helpful to remove the 2 damper rods at the front of the outer tub and lean the tub forward.

5. Disconnect the wire harnesses from the valve.
6. Remove the outlet hose from the valve.



7. Remove the 1/4-in. hex-head screw that attaches the water valve to the rear of the unit.



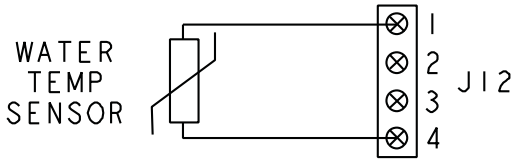
Automatic Temperature Control (ATC)

- The automatic temperature control (ATC) is a feature that utilizes a thermistor to regulate the water fill temperature.
- The thermistor has a negative temperature coefficient (as temperature increases, resistance decreases).
- The thermistor is located in the outlet of the fill funnel and will measure 50K Ω at room temperature (77°F / 25°C).
- If the thermistor reads outside the expected range (10K - 120K Ω), the main control will default to the following pre-programmed fill temperature settings:

  Tap Cold = cold water valve only
  Cold = cold water valve only
  Cool = hot and cold water valves
  Warm = hot and cold water valves
  Hot = hot water valve only

- When both valves are energized, the internal orifices in the valves meter the flow to a 60% cold and 40% hot ratio.
- With the lid open, ATC is deactivated.
- Extreme water temperatures at low pressure can cause the ATC to use its maximum number of activations and revert to a preset fill routine. The main control will not allow the water valve to cycle more than 25 times per fill.

Resistance can be measured at the wire harness located on the control board location J12. Make sure to unplug the connector to isolate the thermistor before taking resistance readings.



To determine the temperature of the incoming water, the main control measures the difference between the voltage sent and the voltage returned from the thermistor. The main control then makes temperature adjustments accordingly.

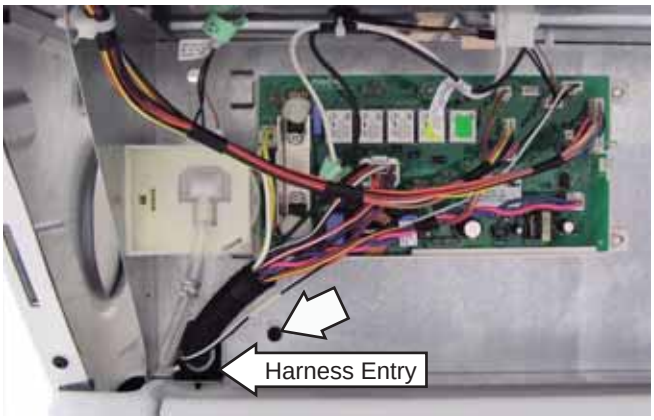
The main control should fill the tub with water within +/- 10 to 15°F of set temperature by opening or closing the hot and cold water valves.

ATC Temperature Chart	
Temperature Setting	Water Temperature
Tap Cold	Cold Tap Water
Cold	60°F (+/- 10°F)
Cool	70°F (+/- 10°F)
Warm	80°F (+/- 10°F)
Hot	110°F (+/- 15°F)

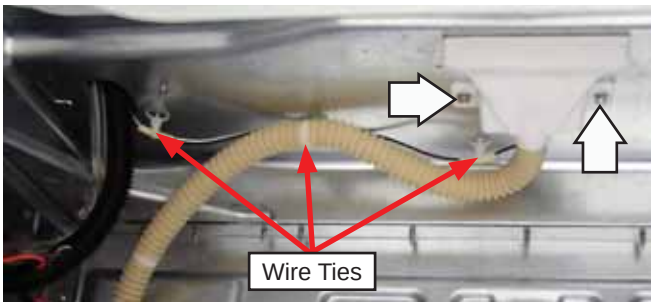
To remove the ATC thermistor:

Note: To replace the ATC thermistor; the entire unit must be removed from its location.

1. Remove the entire unit from its location.
2. Remove the control panel. (See ***Control Panel***.)
3. Remove the Phillips-head screw located to the right of the harness entry.



Note: The water inlet funnel is attached inside the unit with 2 Phillips-head screws. The ATC sensor wiring utilizes 3 wire ties.

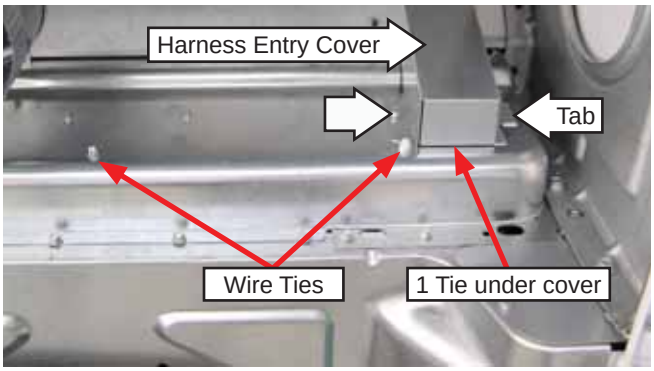


(Continued Next Page)

Note: A wire tie is located underneath the harness entry cover.

4. Remove the 1/4-in. hex-head screw and the harness entry cover from the tab.

5. Release 3 wire ties that attach the ATC sensor wiring to the rear of the unit.



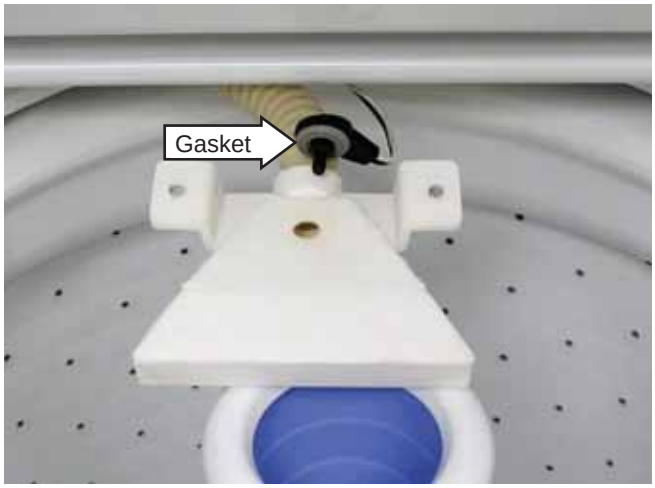
6. From inside the tub, remove the two 1/4-in. hex-head screws that attach the funnel to the washer.

7. Pull and unsnap the thermistor from the top of the fill funnel.

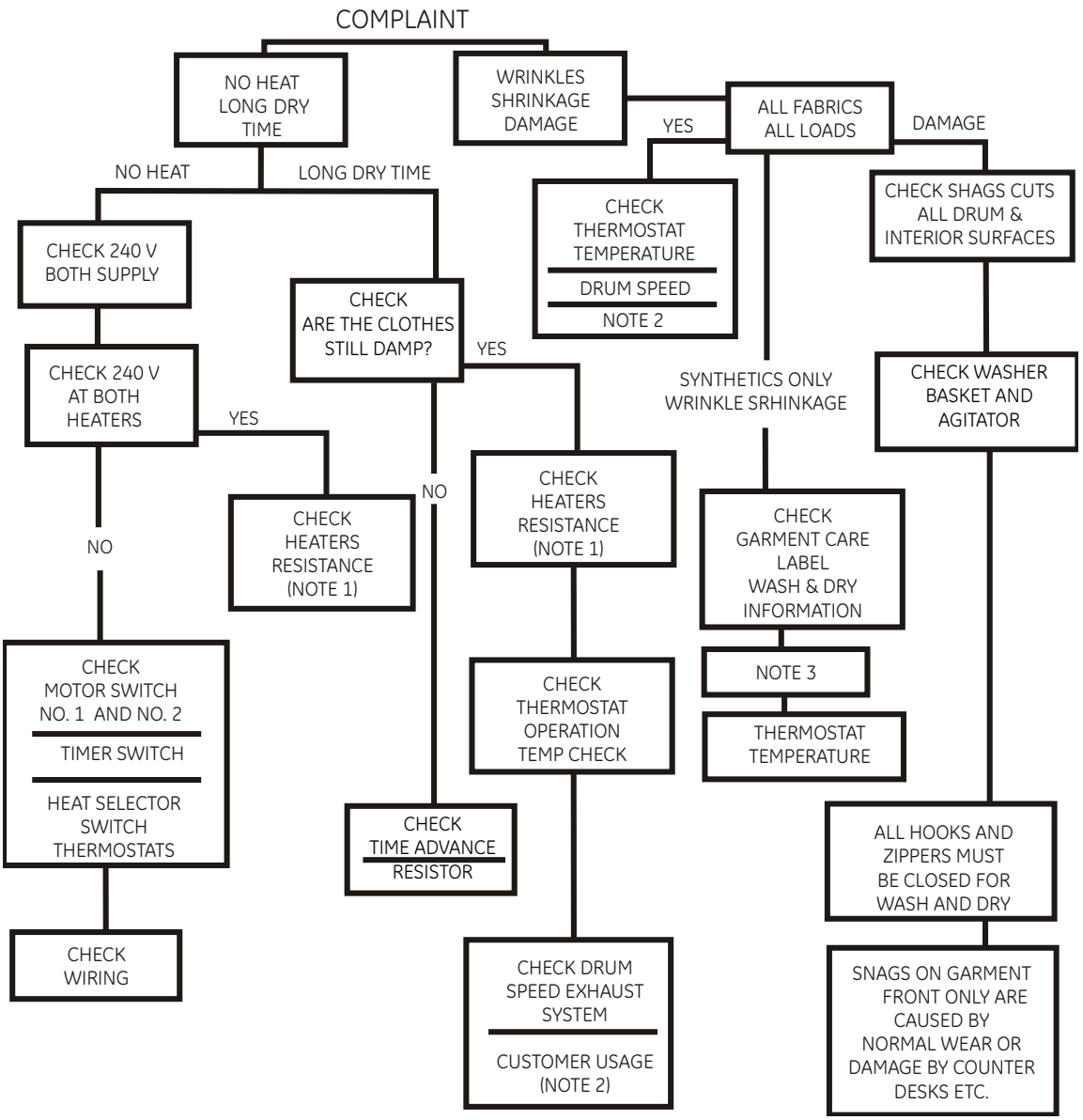
8. Disconnect the wire harness connected to the control board at location J12.

9. Pull the wires and connector down through the harness entry.

Note: Make certain the gray rubber gasket is in place on the thermistor when reassembling.



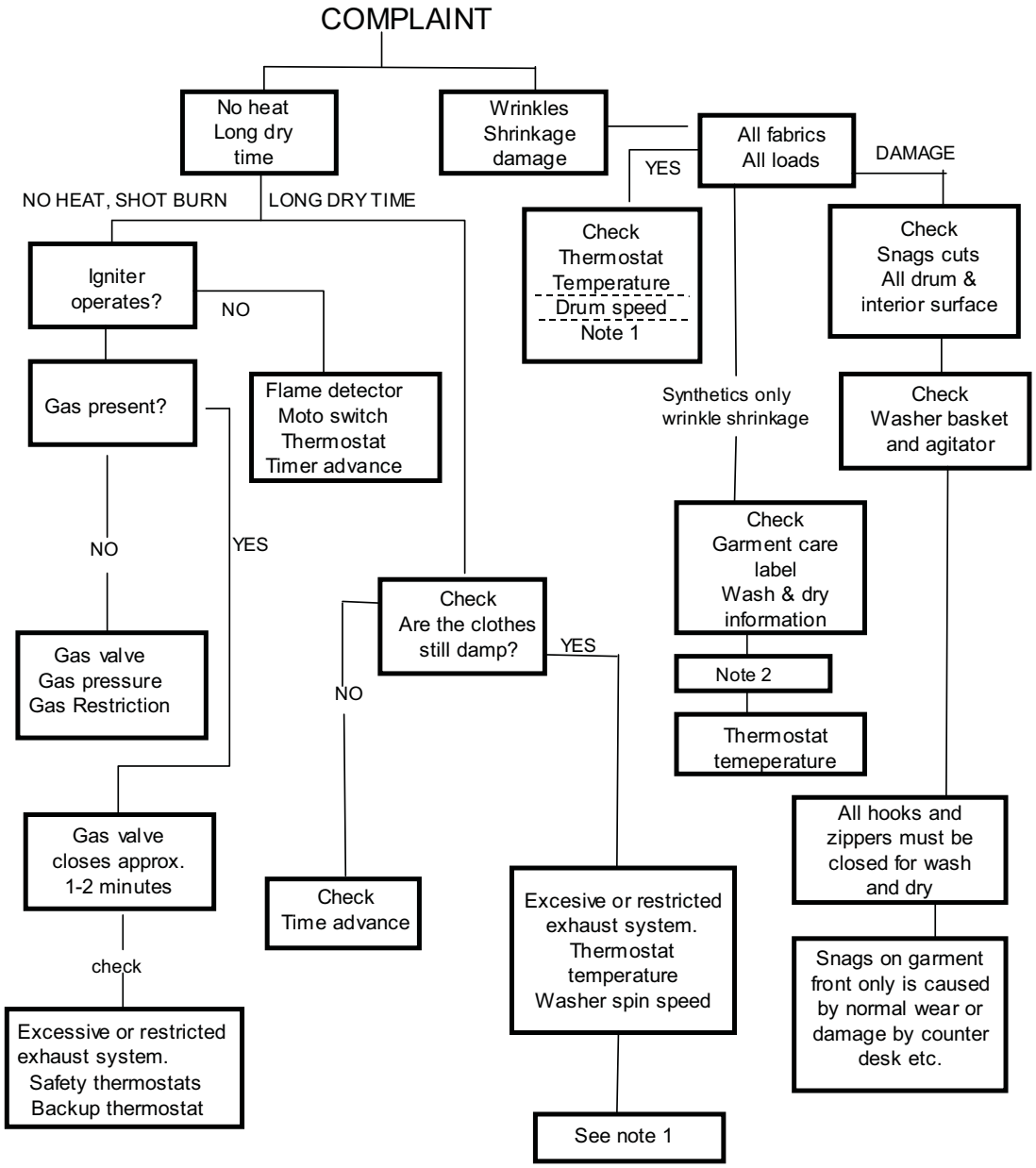
General Troubleshooting Guide - Electric Dryer



NOTE:

1. Heater element is shown on wiring schematic (on reverse side of this sheet). Check for infinite resistance between any heater terminal and dry cabinet. Heater failure could result from low air flow caused by improper sealing, kinked or excessive ducting or excessive line voltage.
2. Other factors contributing to long dry times, or clothes condition: load size, large bulky items, ambient temperature, room size (if not exhausted outdoor), washer spin speed, washer rinse temperature.
3. Small loads (less than 3 lbs.) if not treated with destaticizer, could develop a static charge if over dried and cling to drum surface (no tumble), causing wrinkles, shrinkage, or melting. Use a fabric softener (washer or dryer), or add 2 large bath towels to act as a buffer when drying.

(Continued Next Page)



NOTE:

1. Other factors contributing to long dry times, or clothes condition: load size, large bulky items, ambient temperature, room size (if not exhausted outdoor), washer spin speed, washer rinse temperature, gas supply (restrictions), and gas pressure.

2. Small loads (less than 3 lbs.) if not treated with destaticizer, could develop a static charge if over dried and cling to drum surface (no tumble), causing wrinkles, shrinkage, or melting. Use a fabric softener (washer or dryer), or add 2 large bath towels to act as a buffer when drying.

360° = 270 MIN		AUTO EASY CARE	OFF	TIMED DRY 90 80 70 60 50 40 30 20 10	OFF	AUTO DELICATE	OFF	AUTO COTTONS
A-U (BIAS HEAT)								
B-A (HEAT)								
Y-S (HEAT)								
B-C (MOTOR)								
T-X (TIMER MOTOR)								
360° = 270 MIN								

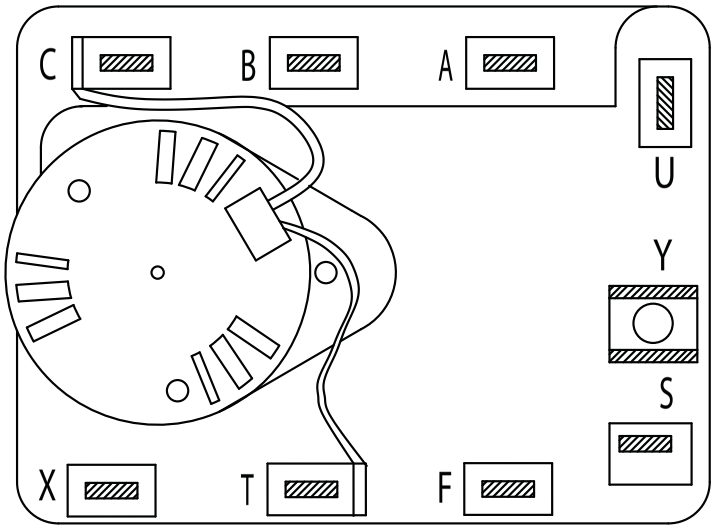
TERMINAL LEGEND

- CLOSED
- OPEN
- NOT AFFECTED
- M — MOMENTARY

NOMENCLATURE

T- = TIMER CONTROL
M- = DRIVE MOTOR

CONTROL TIMER



WARNING:

The timer and start switch are intentionally not grounded and may present a risk of electric shock during servicing.

Disconnect electric power supply prior to servicing.

Washer Service Mode

The washer control has a service mode that can be utilized by the service technician in order to test critical washer components and to check for retained error codes. Errors are displayed either to the consumer (critical error), or to the service technician in diagnostics mode by the LED status display. This service mode will help the service technician to quickly identify failed or improperly operating washer components.

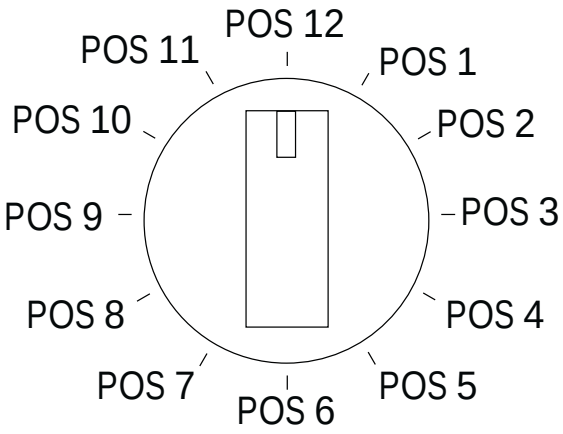
Verify if washer is in critical error. (See Critical Fail Mode Table).

To enter to service mode:

1. Rotate washer cycle selector starting at any position except position 6.
2. Press *START/PAUSE* button and *FABRIC SOFTENER* button at same time while rotating cycle selector to position 6. Wait 3 seconds and release both buttons and all LEDS will blink.
3. Rotate knob clockwise to various positions per service function table to perform functional checks and to extract error codes from the control memory.

Note:

- For tests marked with Ⓢ in service function table, it is necessary to press *START/PAUSE* button.
- When a load is tested, is necessary turn the cycle selector knob to another position to turn off the load.
- Termination of the service mode can be accomplished by removing power to the washer, or repeating the same procedure to enter to service mode, or waiting 15 minutes.



CYCLE SELECTION POSITIONS

Service mode allows for operation of individual components; knob positions 7 through 11 select the component for testing and pressing the *START/PAUSE* button activates the component for testing.

To stop any individual test; rotate the washer knob to another position.

Position 7 (spin and shifter) you need to wait for the lid lock light to turn off before any other tests can be performed.

Position 2 and 12 test the individual push button for operation.

(Continued Next Page)

SERVICE FUNCTION TABLE

	NOT USED	FABRIC SOFTENER BUTTON	ERROR CODES (S)	CLEAR CODES	MODEL CODE 27-in.	MODEL CODE 24-in.	ENTER / EXIT SERVICE MODE	SPIN AND SHIFTER SYSTEM (S)	DRAIN PUMP (S)	AGITATE (S)	HOT WATER VALVE (S)	COLD WATER VALVE (S)	START / PAUSE BUTTON (S)	
KNOB POS	1	2	3	4	5		6	7	8	9	10	11	12	LED
LED STATUS	0	0	SEE ERROR CODES TABLE	B	0	0	*	0	0	0	0	0	0	FS ON
	0	0		B	0	0	*	0	0	A	0	0	0	WASH
	0	0		B	0	0	*	1	1	1	1	0	0	RINSE
	0	0		B	0	1	*	1	1	0	0	1	1	SPIN
	0	1		B	1	0	*	1	0	1	0	1	0	LID LOCKED

* FLASHING

1 LED ON

0 LED OFF

A LED ON IF THE SHIFTER IS IN AGITATE POSITION
LED OFF IF THE SHIFTER IS IN SPIN POSITION

B LED BLINKS DURING CLEARING

(Continued Next Page)

CRITICAL FAIL MODE TABLE

	LID SWITCH FAILURE	LID LOCK BROKEN	
LED STATUS	1	1	FS ON
	*	*	WASH
	0	0	RINSE
	0	*	SPIN
	*	0	LID LOCKED

NO CRITICAL FAIL MODE TABLE

	FILL TIME OUT	LID LOCK FAILURE	
LED STATUS	1	1	FS ON
	*	0	WASH
	0	*	RINSE
	0	0	SPIN
	0	0	LID LOCKED

NOTE:
WHEN ONE OR BOTH CRITICAL FAILURES OCCUR, THE WASHER IS DISABLED.
IT IS NECESSARY TO ENTER SERVICE MODE TO REESTABLISH THE WASHER.

* FLASHING
1 LED ON
0 LED OFF

Two errors are deemed critical and will disable the machine until it is serviced. Other errors can self correct and the machine will continue to operate. The critical errors occur with the safety lid lock or lid switch and will be displayed to the consumer.

Lid switch failure is triggered by 3 consecutive wash/spin cycles where the control does not receive feedback from the lid switch.

Lid lock failure is triggered by a single spin cycle where the control does not receive feedback from the lid lock. The consumer can attempt to restart the machine but, if the failure still exists the machine will not run.

(Continued Next Page)

ERROR CODES TABLE

KNOB POS	NO ERRORS EXIST	LOOSE BELT	BLOCKED MOTOR	FILLING TIMEOUT	OVERFLOW	PUMP TIMEOUT	THERMISTOR	NO SPEED	LID LOCK NOT OPEN / CLOSE	LID SWITCH	LID LOCK BROKEN	TRIAC IN SHORT	REDUNDANCY FEEDBACK	WASH TRANSISTOR	LED
	3														
LED STATUS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	FS ON
	0	0	0	0	1	0	0	0	0	1	1	1	1	1	WASH
	0	0	0	0	1	1	1	1	1	0	0	0	1	1	RINSE
	0	0	1	1	0	0	0	1	1	0	1	1	0	1	SPIN
	0	1	0	1	1	0	1	0	1	0	0	1	0	1	LID LOCKED

* PRESS START BUTTON TO KNOW IF SEVERAL ERRORS EXIST

1 LED ON

0 LED OFF

Once in the service mode, the error codes can be obtained in knob position 3.

The control is capable of storing multiple error codes.

To advance through the error codes in event there are more than 1, press the *START/PAUSE* button to scroll through the codes in memory.

(Continued Next Page)

Service Mode - Error Codes

Loose Belt

- This error code is triggered by feedback from the motor Hall sensor.
- If the control detects excessive motor speed from the Hall sensor either due to a loose belt or tub nut, this code will be entered into memory.
- The washer will still operate and this code will not be displayed to the consumer.

Blocked Motor

- This error code is triggered by feedback from the motor Hall sensor.
- If the control does not receive pulses from the motor Hall sensor, this code will be entered into memory.
- The washer will enter a pause state and the user can attempt to restart the cycle.
- This code will not be displayed to the consumer.

Filling Timeout

- This error code is triggered by feedback from the pressure switch.
- If the control does not receive a change of pressure from the pressure switch within 3 minutes, this code will be entered into memory.
- The washer will enter a pause state and the user can attempt to restart the cycle.
- This code will not be displayed to the consumer.
- This can be caused by water valves turned off, pressure switch failure, siphoning or problems with the pressure switch wiring – hose or tub dome.

Overflow

- This error code happens when there is a water level detected that is higher than the expected maximum fill. When this failure is present, the control doesn't respond to the user until the control exits from this failure due to a normal water level. The water valves are turned off and the drain pump is activated.
- This failure mode is saved in memory but the control doesn't display an alert to the user.
- This can be caused by failure of the water valves (jammed open) or the pressure switch.

Pump Timeout

- This failure happens when the timeout is reached for the drain pump time to reach the minimum water level, after 4.25 minutes of pumping and the water level minimum is not reached. After a maximum of 3 attempts to resume the cycle, the control goes to Idle State, the control stores this code in memory.

(Continued Next Page)

Thermistor

This failure happens when the control can not detect the ATC thermistor.

The ATC is disabled and this failure code is saved on memory. This fault is not displayed to user and the defaults temperatures for filling are:

Tap cold - cold valve only

Cold - cold valve only

Cool - cold and hot valve

Warm - cold and hot valve

Hot - hot valve only

No Speed

- This occurs when there is no motor speed sensor feedback. To test it, put the washer in Drain & Spin and wait until the motor starts up. If the motor speed sensor is not operating after 3 seconds, the washer will go to Pause. This error could be caused by the harness, motor speed sensor, or board.
- On this failure, the control will save the failure in memory and continue working.

Lid Lock Not Open/Close

- Lid Lock (Service and Display to user). This failure occurs when the lid can not be locked or unlocked. The control attempts 5 times to release or lock the lid , if the lid is not released, the control goes to pause state and will wait 4.25 minutes to try again to release or lock the lid, if the lid continues without release or lock, the control attempts 1 more time.
- If the lid will still not release or lock, the control goes to failure state.

Lid Switch

- Occurs when the control runs 3 continuous agitation/spin cycles without receiving the lid switch open signal.
- This Lid switch error will be reset when the control sees a lid switch transition open/close again.

Triac in Short

- The triacs that control the motor windings have failed.
- Main Board must be replaced.

Redundancy Feedback

- This error occurs if the main control detects that the motor controller is not activating the lid lock circuit.
- Main Board must be replaced.

Wash Transistor

- This error occurs if the washer tries to agitate with less than the minimum allowed water level, which would indicate a failed board.
- Main Board must be replaced.

(Continued Next Page)

Clear Error Codes

1. To clear error codes from the control memory; rotate the washer knob to position 4 and press and hold the *START/PAUSE* button. The indicators will flash during this process. Release the *START/PAUSE* button after 3 seconds.

2. Press and hold the *START/PAUSE* and *FABRIC SOFTENER* buttons while rotating the knob to position 6 to exit diagnostic mode.

Note: Diagnostic mode will exit automatically after 15 minutes or a upon a power reset.

SERVICE FUNCTION TABLE

KNOB POS	LED	FS ON	WASH	RINSE	SPIN	LID LOCKED	
1	12	0	0	0	1	0	START / PAUSE BUTTON (S)
2	11	0	0	0	1	1	COLD WATER VALVE (S)
3	10	0	0	1	0	0	HOT WATER VALVE (S)
4	9	0	A	1	0	1	AGITATE (S)
5	8	0	0	1	1	0	DRAIN PUMP (S)
6	7	0	0	1	1	1	SPIN AND SHIFTER SYSTEM (S)
7	6	*	*	*	*	*	ENTER / EXIT SERVICE MODE
8	5	0	0	0	1	0	MODEL CODE 24-in.
9		0	0	0	0	1	MODEL CODE 27-in.
10	4	B	B	B	B	B	CLEAR CODES
11	3	SEE ERROR CODES TABLE					ERROR CODES (S)
12	2	0	0	0	0	1	FABRIC SOFTENER BUTTON
	1	0	0	0	0	0	NOT USED

* FLASHING
1 LED ON
0 LED OFF
A LED ON IF THE SHIFTER IS IN AGITATE POSITION
LED OFF IF THE SHIFTER IS IN SPIN POSITION
B LED BLINKS DURING CLEARING

Wiring Diagrams

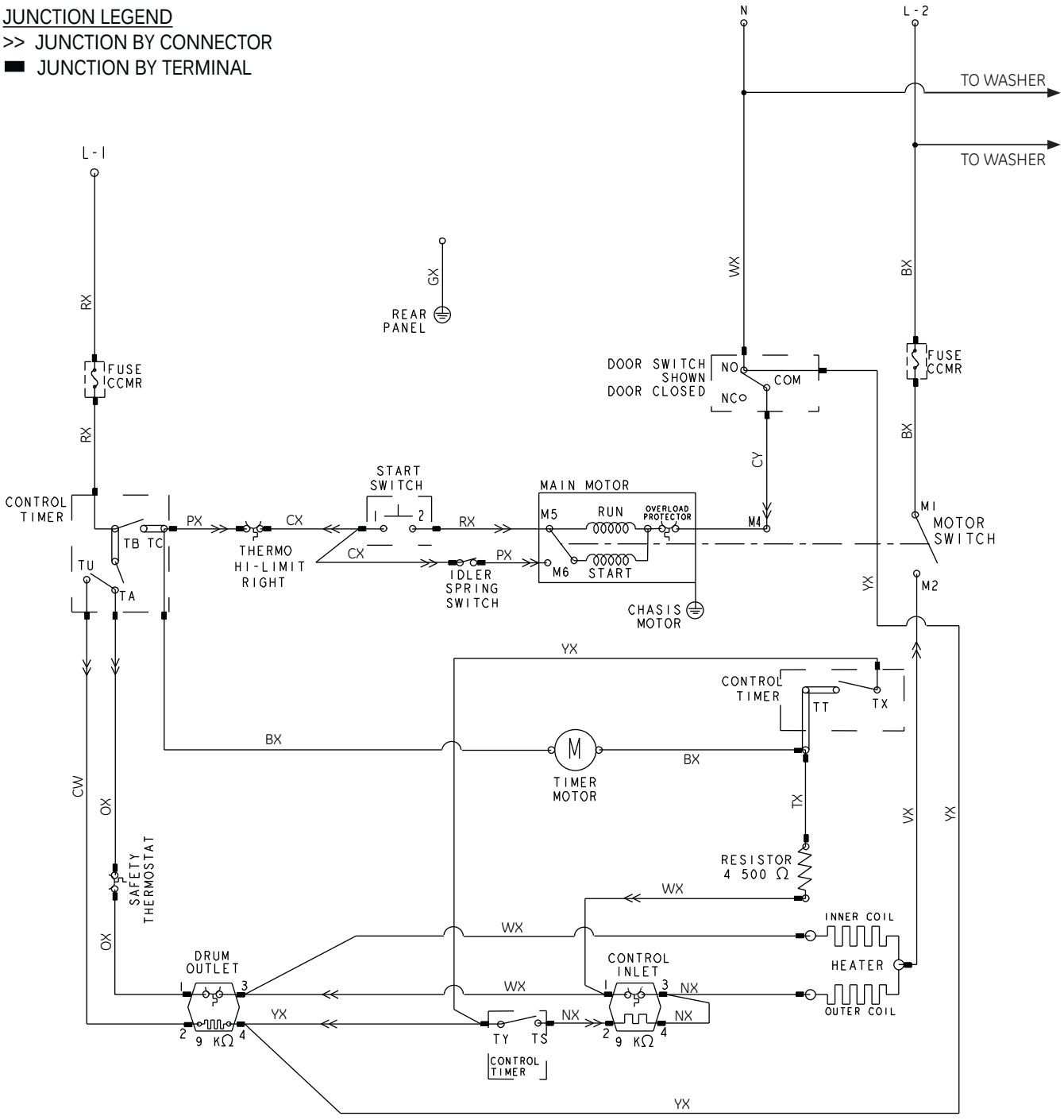
Electric Dryer

COLOR CODE			
LETTERS	COLOR	LETTERS	COLOR
AX	LT. BLUE	RX	RED
BX	BLACK	SX	GRAY
CX	BROWN	TX	TAN
GX	GREEN	VX	PURPLE
NX	DK. BLUE	WX	WHITE
OX	ORANGE	YX	YELLOW
PX	PINK		
THE "X" INDICATES ONE SOLID COLOR - NO TRACER. WIRES WITH TRACER SHOW BOTH COLORS. EXAMPLE - WR IS WHITE WITH RED TRACER.			

WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK:
THE POWER MUST BE DISCONNECTED BEFORE SERVICING BY UNPLUGGING THE MACHINE OR DISCONNECTING THE CIRCUIT BREAKER.

CAUTION: LABEL ALL WIRES PRIOR TO DISCONNECTION WHEN SERVICING CONTROLS. WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS OPERATION. VERIFY PROPER OPERATION AFTER SERVICING.

JUNCTION LEGEND
>> JUNCTION BY CONNECTOR
■ JUNCTION BY TERMINAL



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BX	BLACK	SX	GRAY
CX	BROWN	TX	TAN
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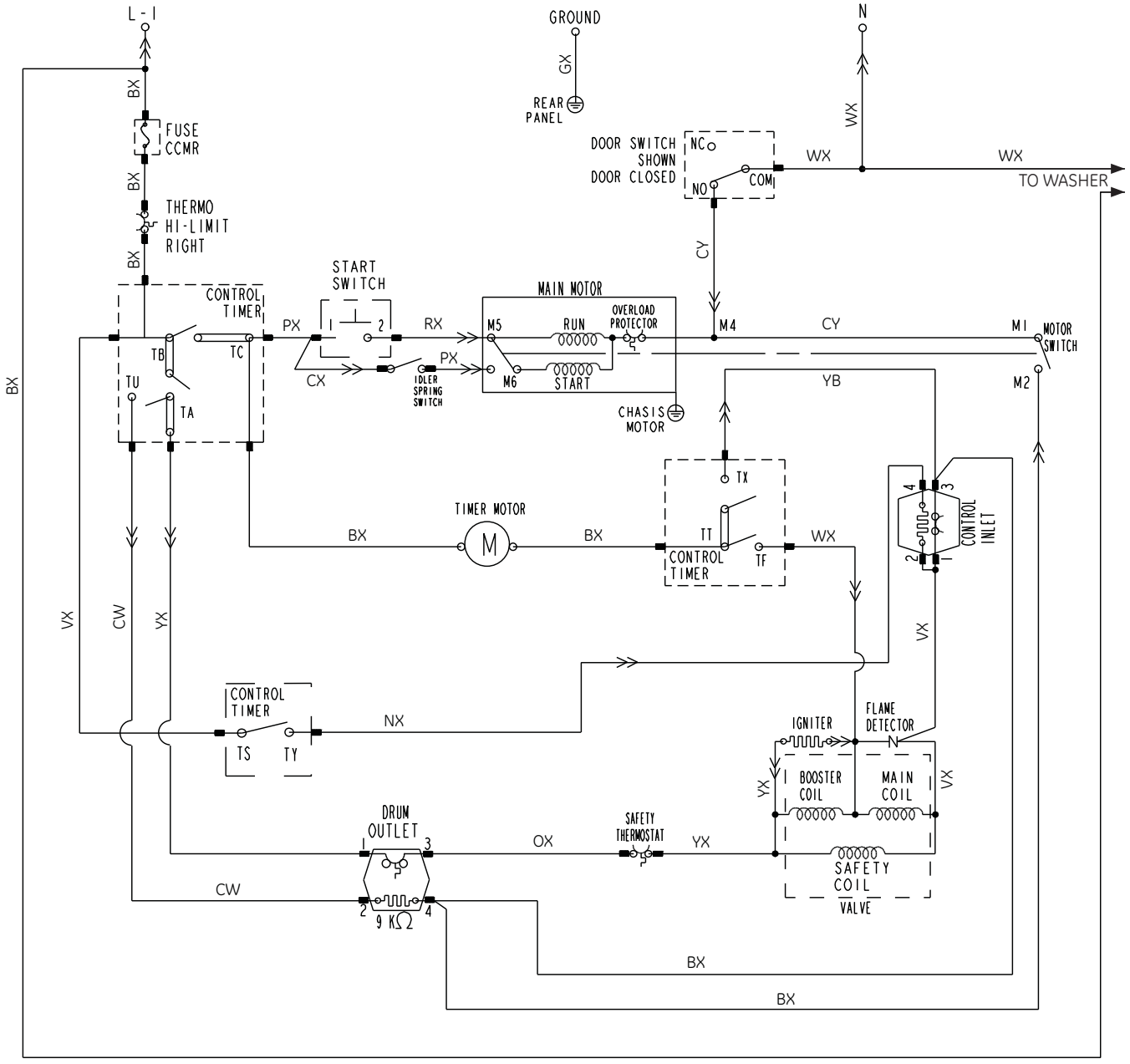

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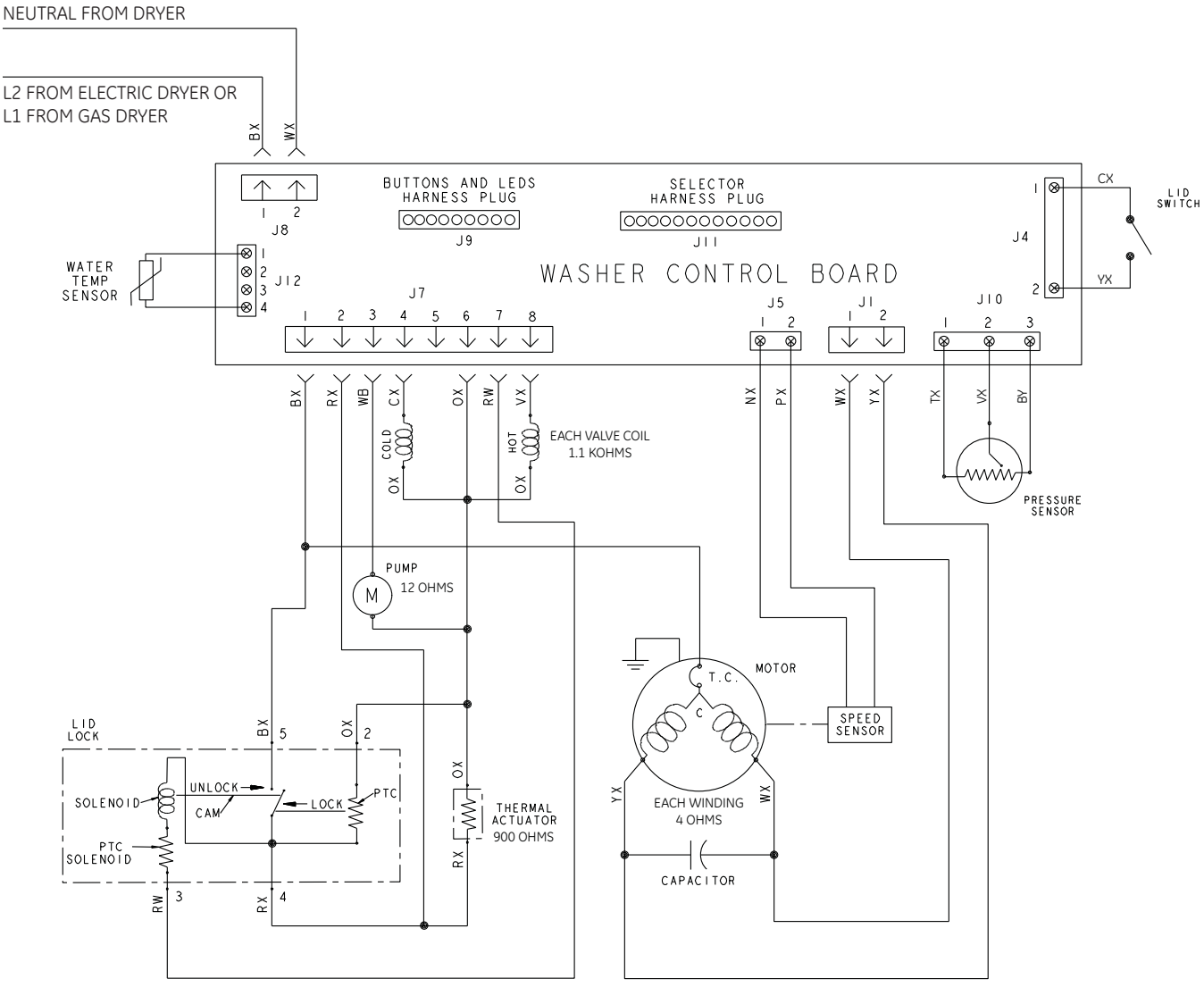

Warranty

All warranty service provided by our Factory Service Centers, or an authorized Customer Care® technician. To schedule service, on-line, visit us at GEAppliances.com, or call 800.GE.CARES (800.432.2737). Please have serial number and model number available when calling for service.

Staple your receipt here. Proof of the original purchase date is needed to obtain service under the warranty.

For The Period Of:	*We Will Replace:*
One Year *From the date of the original purchase*	*Any part* of the washer which fails due to a defect in materials or workmanship. During this *limited one-year warranty*, we will also provide, *free of charge*, all labor and related service to replace the defective part.

What Is Not Covered:

- Service trips to your home to teach you how to use the product.
- Improper installation, delivery or maintenance.
- Failure of the product if it is abused, misused, or used for other than the intended purpose or used commercially.
- Replacement of house fuses or resetting of circuit breakers.
- Products which are not defective or broken, or which are working as described in the Owner's Manual.
- Damage to the product caused by accident, fire, floods or acts of God.
- Incidental or consequential damage caused by possible defects with this appliance.
- Defects or damage due to operation in freezing temperatures.
- Damage caused after delivery.
- Product not accessible to provide required service.

EXCLUSION OF IMPLIED WARRANTIES—Your sole and exclusive remedy is product repair as provided in this Limited Warranty. Any implied warranties, including the implied warranties of merchantability or fitness for a particular purpose, are limited to one year or the shortest period allowed by law.

This warranty is extended to the original purchaser and any succeeding owner for products purchased for home use within the USA. If the product is located in an area where service by a GE Authorized Servicer is not available, you may be responsible for a trip charge or you may be required to bring the product to an Authorized GE Service location. In Alaska, the warranty excludes the cost of shipping or service calls to your home.

Some states do not allow the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. To know what your legal rights are, consult your local or state consumer affairs office or your state's Attorney General.

Warrantor: General Electric Company. Louisville, KY 40225