

BASIC OPERATION OF EXPORT COMMERCIAL STACK DRYER

- For additional information, see www.MaytagCommercialLaundry.com.

⚠ DANGER



Electrical Shock Hazard

Only authorized technicians should perform diagnostic voltage measurements. After performing voltage measurements, disconnect power before servicing. Failure to follow these instructions can result in death or electrical shock.

⚠ WARNING



Electrical Shock Hazard

Disconnect power before servicing. Replace all parts and panels before operating. Failure to do so can result in death or electrical shock.

Voltage Measurement Safety Information

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

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

IMPORTANT: Electrostatic Discharge (ESD) Sensitive Electronics

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

- Use an anti-static wrist strap. Connect wrist strap to green earth connection point or unpainted metal in the appliance.
– OR –
Touch your finger repeatedly to a green earth connection point or unpainted metal in the appliance.
- Before removing the part from its package, touch the anti-static bag to a green earth connection point or unpainted metal in the appliance.
- Avoid touching electronic parts or terminal contacts; handle electronic control assembly by edges only.
- When repackaging main control assembly in anti-static bag, observe above instructions.

IMPORTANT SAFETY NOTICE — “For Technicians only”

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

For full version of install guide, use and care guide, video guided installation and product information please visit <http://maytagcommercialliterature.com/> or scan below.



GENERAL USER INFORMATION

Blank display

This condition indicates the appliance is inoperative. Check power to the machine. (**Note:** On electric models upper and lower dryers have separate power cords, check power to both dryers). If the machine has the correct power supply; enter Service Mode and check diagnostics codes.

'0 Minutes' showing in display

This indicates the previous cycle is complete or a machine reset was performed. Opening the door(s) will restore the display to the Vend Price or Available state.

Factory Default Setting

Dryer is programmed at the factory as follows:

- 45 minutes dry time for PR models; 5 minutes per Coin or Debit Pulse (see value of Coin 1) for PD models.
- 1.50 dry price (fixed cycle with top off - PD Models).
- 0.00 dry price (fixed cycle - PR Models).

Warm Start (after power failure)

A few seconds after power is restored, if a cycle was in progress at the time of the power failure, 'RESELECT CYCLE' will flash in the display. This is to indicate the need for a fabric setting keypad to be pressed to restart dryer.

There are 4 types of pricing:

Fixed 'Vend' Pricing

A dryer set up for 'Fixed Cycle' operation can only accept additional time accumulated by increments equal to the length of a complete dry cycle. A maximum of 75 minutes may be purchased; no additional credit is given when 75 minutes is in the display. This option is for PN/PR models only.

Accumulator Pricing

If the price is set to one coin (coin 1), then accumulator mode is in effect (stacked PD models also require Fixed Cycle with Top Off option to be selected). Cycle time can be purchased one coin at a time (PD models) up to the maximum time of 75 minutes. Stacked PD dryers will credit all money to a cycle with a single button press while in accumulator pricing.

Fixed Cycle with Top Off Pricing (PD models must be set up with this option)

A dryer set to offer 'Top Off' capability will allow time to be added to an existing dry cycle in increments equal to the number of minutes of dry time per one Coin or Debit Pulse up to 75 minutes, regardless of the cost required to start the dryer. No credit is given for coins or debit inputs entered when the control is displaying 75 minutes.

PN/PR Models: In Enhanced Debit Mode, the top off price can be set independently (see VALUE OF COIN 2), and the top off time is calculated according to the following equation:

$$\frac{\text{top off price}}{\text{full cycle price}} = \frac{\text{top off time}}{\text{full cycle length}}$$

Hundredth increment offset is not applied to top off purchases.

Free Cycles and PN/PR Models

This is established by setting the cycle price to zero. When this happens, 'SELECT CYCLE' will appear rather than a cycle price. Any cycle started as a free cycle will automatically terminate when the door is opened.

Debit Card Ready

This model is not debit card ready, but the dryer control board is debit card capable.

CONTROL SET-UP PROCEDURES

IMPORTANT: Read all instructions before operating.

The fabric setting keypads along with the digital display are used to set-up the dryer controls.

The display can contain 4 numbers and/or letters and a decimal point. These are used to indicate the set-up codes and related code values available for use in programming the dryer.

How to use the keypads to program the controls

1. The HEAVY DUTY keypad is used to adjust the values associated with set-up codes. Pressing the keypad will increment the value by 1. Rapid adjustment is possible by holding the keypad down.
2. The NORMAL keypad advances the display through the set-up codes. Pressing the keypad will advance the display to the next available set-up code. Holding the keypad down will automatically advance through the set-up codes at a rate of 1 per second.
3. The DELICATES keypad is used to select or deselect options.

Start Operating Set-Up

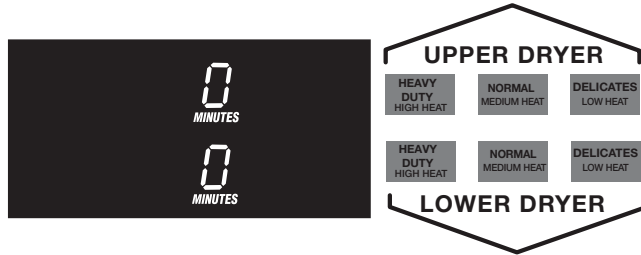
- PD Models: Insert access panel key and turn counter-clockwise.
- PR Models: Once the debit card reader is installed (according to the reader manufacturer's instructions), the set-up mode can be entered by inserting a manual set-up card (supplied by the reader manufacturer) into the card slot. If manual set-up card is not available, manual set-up mode can be entered by turning the access panel key.

The dryer is now in the set-up mode. Before proceeding it is worth noting that, despite all the options available, an owner can simply choose to uncrate a new commercial dryer, hook it up, plug it in and have a dryer that operates.

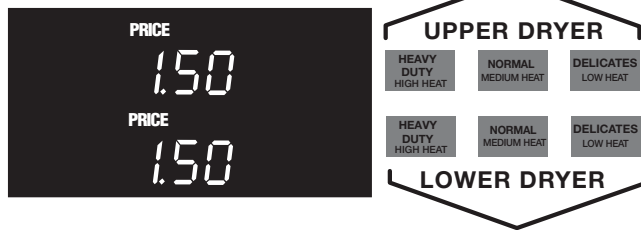
DISPLAY

After the dryer has been installed and plugged in, the display will show '0 minutes.'

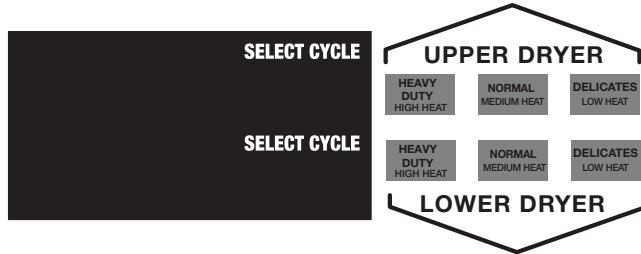
Once the dryer has been plugged in and the dryer door opened and closed, the display will show the price. In PR models set for free cycles, the display will flash 'SELECT CYCLE'.



PD Models



PR Models



SET-UP CODES

FOR PR MODELS: The set-up codes are the same as for the PD models except where noted.

NOTE: On all stacked dryer models, programming selections apply to both dryers. Stacked dryer selections are accessed by pressing the LOWER DRYER keypads.

The set-up codes is indicated by the one or two left-hand characters. The set-up code value is indicated by the two or three right-hand characters.

NOTE: Set-up codes marked with * are able to transfer from one machine to another (must be same model type) via USB stick.

CODE	EXPLANATION
<u>5.06</u>	REGULAR CYCLE AMOUNT TO START*
<u>5.06</u>	Represents the number of Coins or Debit Pulses required to start a Regular Cycle (See Value of Coin 1). PD models Factory set for 6. PR models Factory Set for 0 (Free Cycle).
<u>6.00</u>	PR MODELS ONLY: Factory default of 6 00, or 0 coins.
→ Press NORMAL keypad once to advance to next code.	
<u>7.05</u>	REGULAR DRY TIME*
<u>7.05</u>	Represents the number of minutes per Coin or Debit Pulse. Factory default of 5 minutes per Coin or Debit Pulse. Example: 6 coins x 5 minutes = 30 minutes. By pressing the HEAVY DUTY keypad, value adjusts from 1–75 minutes.
<u>7.45</u>	PR MODELS: Represents the cycle length for free cycles. As example: '7 45' = 45 minutes.
→ Press NORMAL keypad once to advance to next code.	
<u>8.00</u>	TYPE OF DRYER PRICING*
<u>8.00</u>	Fixed Cycle with Top Off. For detailed description, see General User Information.
<u>8.FC</u>	Fixed Cycle. For detailed description, see General User Information. Use DELICATES keypad to make this selection. PR MODELS ONLY: Factory default of FC.
→ Press NORMAL keypad once to advance to next code.	
<u>9.00</u>	CYCLE COUNTER OPTION* This option is either SELECTED 'ON' or NOT SELECTED 'OFF'.
<u>9.00</u>	Not Selected 'OFF'.
<u>9.0C</u>	Selected 'ON' and not able to be deselected. Press DELICATES keypad 3 consecutive times to select 'ON'. Once selected 'ON' it cannot be deselected.
→ Press NORMAL keypad once to advance to next code.	
<u>1.00</u>	MONEY COUNTER OPTION* This option is either SELECTED 'ON' or NOT SELECTED 'OFF'.
<u>1.00</u>	Not Selected 'OFF'.
<u>1.0C</u>	Selected 'ON'. Press DELICATES keypad 3 consecutive times to select 'ON' and 3 consecutive times to remove (Not Selected 'OFF'.) Counter resets by going from 'OFF' to 'ON'.
<u>1.0C</u>	Selected 'ON' and not able to be deselected. To select 'ON' and not able to be deselected, first select 'ON', then within two seconds press DELICATES twice, HEAVY DUTY once, and exit the set-up mode.
→ Press NORMAL keypad once to advance to next code.	
<u>2.00</u>	SPECIAL PRICING OPTIONS This option is either SELECTED 'ON' or NOT SELECTED 'OFF'.
<u>2.00</u>	Not Selected 'OFF'.
<u>2.5P</u>	Selected 'ON'. Press DELICATES keypad once to change this selection.

FOR SERVICE TECHNICIAN ONLY - DO NOT REMOVE OR DESTROY

CODE	EXPLANATION																								
If SPECIAL PRICING OPTION is selected, there is access to codes '3.' through '9.'																									
→ Press NORMAL keypad once to advance to next code.																									
	OPTIONS TO USE IF SPECIAL PRICING IS SELECTED:																								
<u>3.06</u>	SPECIAL CYCLE AMOUNT TO START																								
<u>3.06</u>	Represents the number of Coins or Debit Pulses required to start a Special Cycle (See Value of Coin 1). PD models Factory set for 6. PR models Factory Set for 0.																								
<u>3.00</u>	PR MODELS: Factory default of 0 coins.																								
→ Press NORMAL keypad once to advance to next code.																									
<u>4.05</u>	SPECIAL DRY TIME																								
<u>4.05</u>	Represents the number of minutes per Coin or Debit Pulse. Factory default of 5 minutes per Coin or Debit Pulse. Example: 6 coins x 5 minutes = 30 minutes. By pressing the HEAVY DUTY keypad, the value can be adjusted from 1–75 minutes.																								
<u>4.45</u>	PR MODELS: Represents the cycle length for free cycles. As example: '4.45' = 45 minutes.																								
→ Press NORMAL keypad once to advance to next code.																									
<u>5.00</u>	TIME-OF-DAY CLOCK, MINUTES																								
<u>5.00</u>	This is the TIME-OF-DAY CLOCK, minute setting; select 0–59 minutes by pressing HEAVY DUTY keypad.																								
→ Press NORMAL keypad once to advance to next code.																									
<u>6.00</u>	TIME-OF-DAY CLOCK, HOURS NOTE: Uses the 24 hour clock.																								
<u>6.00</u>	This is the TIME-OF-DAY CLOCK, hour setting; select 0–23 hours by pressing HEAVY DUTY keypad.																								
→ Press NORMAL keypad once to advance to next code.																									
<u>7.00</u>	SPECIAL PRICE START HOUR NOTE: Uses the 24 hour clock.																								
<u>7.00</u>	This is the start hour; 0–23 hours. Select START HOUR by pressing HEAVY DUTY keypad.																								
→ Press NORMAL keypad once to advance to next code.																									
<u>8.00</u>	SPECIAL PRICE STOP HOUR NOTE: Uses the 24 hour clock.																								
<u>8.00</u>	This is the stop hour; 0–23 hours. Select STOP HOUR by pressing HEAVY DUTY keypad.																								
→ Press NORMAL keypad once to advance to next code.																									
<u>9.10</u>	SPECIAL PRICE DAY																								
<u>9.10</u>	This represents the day of the week and whether special pricing is selected for that day. A number followed by '0' indicates no selection that particular day (9.10). A number followed by an 'S' indicates selected for that day (9.1S). Day of week (1-7) can be chosen by pressing the HEAVY DUTY keypad. Press DELICATES keypad once to select special pricing for each day chosen. When exiting setup code '9.', the display must show current day of week:																								
	<table><tr><th>DISPLAY</th><th>DAY OF WEEK</th><th>CODE (selected)</th></tr><tr><td>10</td><td>Day 1 = Sunday</td><td>1S</td></tr><tr><td>20</td><td>Day 2 = Monday</td><td>2S</td></tr><tr><td>30</td><td>Day 3 = Tuesday</td><td>3S</td></tr><tr><td>40</td><td>Day 4 = Wednesday</td><td>4S</td></tr><tr><td>50</td><td>Day 5 = Thursday</td><td>5S</td></tr><tr><td>60</td><td>Day 6 = Friday</td><td>6S</td></tr><tr><td>70</td><td>Day 7 = Saturday</td><td>7S</td></tr></table>	DISPLAY	DAY OF WEEK	CODE (selected)	10	Day 1 = Sunday	1S	20	Day 2 = Monday	2S	30	Day 3 = Tuesday	3S	40	Day 4 = Wednesday	4S	50	Day 5 = Thursday	5S	60	Day 6 = Friday	6S	70	Day 7 = Saturday	7S
DISPLAY	DAY OF WEEK	CODE (selected)																							
10	Day 1 = Sunday	1S																							
20	Day 2 = Monday	2S																							
30	Day 3 = Tuesday	3S																							
40	Day 4 = Wednesday	4S																							
50	Day 5 = Thursday	5S																							
60	Day 6 = Friday	6S																							
70	Day 7 = Saturday	7S																							

CODE	EXPLANATION
→ Press NORMAL keypad once to advance to next code.	
<u>R.00</u>	VAULT VIEWING OPTION* This option is either SELECTED 'ON' or NOT SELECTED 'OFF'.
<u>R.00</u>	Not Selected 'OFF'.
<u>R.5C</u>	Selected 'ON'. Press DELICATES keypad once to change this selection. When selected, the money and/or cycle counts will be viewable (if counting is selected) when the coin box is removed.
→ Press NORMAL keypad once to advance to next code.	
<u>b.05</u>	VALUE OF COIN 1*
<u>b.05</u>	This represents the value of coin 1 in the quantity of 5% increments of the larger coin value. $5 \times 5\% = 25\%$. By pressing the HEAVY DUTY keypad, there is the option of 1–199 for the quantity of 5% increments. With coin slide activation, this represents the total vend price.
→ Press NORMAL keypad once to advance to next code.	
<u>C.20</u>	VALUE OF COIN 2*
<u>C.20</u>	This represents the value of coin 2 in the quantity of 5% increments of the larger coin value. $20 \times 5\% = 100\%$. By pressing the HEAVY DUTY keypad, there is the option of 1–199 for the quantity of 5% increments.
<u>C.05</u>	PR MODELS: This represents the value of coin 2 in the quantity of 5% increments of the larger coin value. Factory default = $5 \times 5\%$ of the larger coin value. PR MODELS USING ENHANCED DEBIT: This represents the value of top off in quantity of 5% increments of the larger coin value. Factory default = $5 \times 5\%$ of the larger coin value.
→ Press NORMAL keypad once to advance to next code.	
<u>E.00</u>	ADD COINS OPTION* This option is either SELECTED 'ON' or NOT SELECTED 'OFF'. This option causes the customer display to show the number of coins (coin 1) to enter, rather than the amount.
<u>E.00</u>	Not Selected 'OFF'.
<u>E.8C</u>	Selected 'ON'. Press DELICATES keypad 3 consecutive times for this selection. PR MODELS ONLY: In enhanced debit mode, this option is not selectable.
→ Press NORMAL keypad once to advance to next code.	
<u>J.Cd</u>	COIN/DEBIT OPTION*
<u>J.Cd</u>	Both coin & debit selected.
<u>J.C_</u>	Coins selected, debit disabled. Press DELICATES keypad to change this selection.
<u>J._d</u>	Debit Card selected, coin disabled. Default for PN/PR models, and for PN/PR operation, must be set as J._d. Press DELICATES keypad to change this selection.
<u>J.Ed</u>	Enhanced debit is self-selected when a Generation 2 card reader is installed in the dryer. The 'Ed' option cannot be manually selected or deselected.
→ Press NORMAL keypad once to advance to next code.	
<u>L.00</u>	PRICE SUPPRESSION OPTION* This option is either SELECTED 'ON' OR NOT SELECTED 'OFF'. This option causes the customer display to show 'AVAILABLE' or 'ADD' rather than the amount of money to add. (Used mainly in debit installations.)
<u>L.00</u>	Not Selected 'OFF'.
<u>L.P5</u>	Selected 'ON'. Press DELICATES keypad once for this selection.

FOR SERVICE TECHNICIAN ONLY - DO NOT REMOVE OR DESTROY

CODE	EXPLANATION
→ Press NORMAL keypad once to advance to next code.	
	CLEAR ESCROW OPTION* This option is either SELECTED 'ON' OR NOT SELECTED 'OFF'. When selected, money held in escrow for 30 minutes without further escrow or cycle activity will be cleared.
	Selected 'ON'.
	Not Selected 'OFF'. Press DELICATES keypad once to deselect this option.
→ Press NORMAL keypad once to advance to next code.	
F0	Wi-Fi MENU - Access Wi-fi Menu by pressing the POWERWASH button while on the "F0" screen. The Wi-fi Menu allows you to see Wi-fi connection status as well as Wi-fi setup options. See the Wi-fi Menu section for more information.
→ Press NORMAL keypad once to advance to next code.	

Wi-Fi MENU

Pressing the HEAVY DUTY key while on the F0 screen enters into the Wi-Fi mode. To advance through the Wi-Fi sub menu, use the NORMAL key. The DELICATES key is the Select key. Press the HEAVY DUTY keypad at any time to exit Wi-Fi Menu.

Code	Explanation
F0.En	Wi-Fi Enable/Disable option. This is either selected Enabled or Disabled.
F0.dS	Wi-Fi disabled. Press the DELICATES key 3 times to disable Wi-Fi.
F0.En	Wi-Fi Enabled. Press the DELICATES key 3 times to enable Wi-Fi.
F0.nA	Wi-Fi Module not available (Status Only).
→ Press the NORMAL key once to advance to next code.	
F1.dS	Connection Status Mode (Status only) allows user to see machine's current Wi-Fi connection status.
F1.dS	(Status) This will be displayed if Wi-Fi Module is disabled.
F1.nC	This will be displayed if machine is not connected to router and not connected to Whirlpool Server.
F1.Cr	(Status) This will be displayed if machine is connected to router but NOT connected with Whirlpool server.
F1.CS	(Status) This will be displayed if machine is connected to router AND connected with Whirlpool server.
→ Press the NORMAL key once to advance to next code.	
F2.En	uAP Setup Mode allows machine to connect to Wi-Fi via uAP. To begin connection process, use mobile device (laptop, tablet, phone) to search for Wi-Fi network broadcasting the MAC ID of the machine to be provisioned. Once found, connect to that network and use the machine's SAID (without WPR prefix) as the network security key to connect. Next, open a web browser and direct it to the address 192.168.10.1. This will direct you to the webpage needed to complete the connection process.
F2.En	This will be displayed, if uAP provisioning is enabled. This will flash on the display when the Wi-Fi Module has started the provisioning process.
F2.dS	This will be displayed, if uAP provisioning is disabled and machine is currently not connected to the router or Whirlpool server. In order to disable setup via uAP press the DELICATES key 3 times.
F2.Cr	(Status) This will be displayed if machine is connected to router but NOT connected with Whirlpool server.
F2.CS	(Status) This will be displayed if machine is connected to router AND connected with Whirlpool server.

Code	Explanation
F2.CE	(Status) This will be displayed if the Wi-fi Module provisioning has failed.
F2.nC	(Status) This will be displayed if machine is not connected to router and not connected with Whirlpool server.
→ Press the NORMAL key once to advance to next code.	
F3.dS	WPS Setup Mode allows machine to connect to Wi-Fi via WPS.
F3.dS	This will be displayed, if WPS provisioning is disabled and machine is currently not connected to the router or Whirlpool server. This will also be displayed if WPS connection not successful before the WPS timer expired.
F3.En	This and WPS countdown timer will toggle on the display, if WPS provisioning is enabled and machine is currently searching for the router. Press the WPS button on the connecting router to complete the connection.
F3.Cr	(Status) This will be displayed if machine is connected to router but NOT connected with Whirlpool server.
F3.CS	(Status) This will be displayed if machine is connected to router AND connected with Whirlpool server.
F3.nC	(Status) This will be displayed if machine is not connected to router and not connected with Whirlpool server.
→ Press the NORMAL key once to advance to next code.	
F4	Signal Strength Mode allows machine to show current signal strength of Wi-Fi.
F4	Pressing the DELICATES key while on the F4 screen will toggle between F4 and the signal strength in dBm.
F4 Err	(Status) F4 screen will toggle between F4 and Err if the Wi-fi Module is disabled.
F4.00	(Status) F4 screen will toggle between F4 and 00 if the Wi-fi Module is deprovisioned.
→ Press the NORMAL key once to advance to next code.	
F5	Deprovision Mode allows machine to be disconnected from Wi-Fi.
F5	This will be displayed, if no action is taken.
F5.dP	This will flash on the display for 5 seconds while the machine disconnects from Wi-Fi. In order to deprovision the machine press the DELICATES key 3 times.
→ Press the NORMAL key once to advance to next code.	

If cycle counter (9 0C) is selected, the following is true:

1 00 Represents the number of cycles in HUNDREDS.	1 02 = 200
2 00 Represents the number of cycles in ONES.	2 25 = 25
TOTAL CYCLES = 225	

This is 'VIEW ONLY' and cannot be cleared.

Press the NORMAL keypad once to advance to next code.

If money counter (1.0C or 1.C0) is selected, the following is true:

3 00 Currency amount in HUNDREDS.	3 01 = 100.00
4 00 Currency amount in ONES.	4 68 = 68.00
5 00 Currency amount in HUNDREDTHS.	5 75 = 00.75
TOTAL = 168.75	

END OF SET-UP PROCEDURES

EXIT FROM SET-UP MODE

- Turn access panel key back to original position.

DRYER DIAGNOSTIC MODE

This mode is entered by pressing DELICATES for one second while in set-up code 6 or 7 (or while dAS displays if operating with Maytag Data Acquisition

setup) or with a diagnostic code present. Diagnostic codes are cleared on entry and all display segments should flash. If a diagnostic code persists, it must be corrected before the diagnostic cycle may be executed.

1. Upper Dryer Field Diagnostic Cycle – With the entire display flashing, the cycle is started by pressing the upper dryer NORMAL keypad. The cycle consists of seven minutes of heat and one minute of cool down. The upper dryer HEAVY DUTY keypad will increment the diagnostic cycle minutes up to 75, then roll over to 2 minutes. Pressing the lower dryer DELICATES keypad will cancel this cycle and exit the diagnostic mode.
2. Lower Dryer Field Diagnostic Cycle – With the entire display flashing, the cycle is started by pressing the lower dryer NORMAL keypad. The cycle consists of seven minutes of heat and one minute of cool down. The lower dryer HEAVY DUTY keypad will increment the diagnostic cycle minutes up to 75, then roll over to 2 minutes. Pressing the lower dryer DELICATES keypad will cancel this cycle and exit the diagnostic mode.

DRYER HELP MODE

Dryer help mode is entered by pressing the HEAVY DUTY keypad while in in set-up option 2.XX (or while dAS displays if operating with Maytag Data Acquisition setup). In help mode, the software revision is displayed in the digits. Press the HEAVY DUTY keypad at any time to exit help mode.

SUBMODE	DESCRIPTION	NOTE
USB	While on this screen, press the HEAVY DUTY button to enter into USB menu. USB menu allows for software update and import/export machine settings.	Allows user to enter USB menu. See USB MENU section for more info.
S0	While on this screen, press the HEAVY DUTY button to enter into Model/Serial Number menu. Model/Serial Number menu allows for updating the UI and/or ACU model and serial numbers.	Allows user to enter Model/Serial Number menu. See MODEL/SERIAL NUMBER MENU section for more info.

Help Codes

Help Code	Description
71	Generation 2 debit card cycle polling message out of sequence
74	Generation 2 debit card remaining balance message out of sequence
75	Generation 2 debit card new card balance message out of sequence
88	Invalid messaging state found in da communications comm_suprv () routine

UPPER DRYER ONLY – UPPER HALF OF DISPLAY

 upper dryer motor sensed running
 ° (circle beside digit) upper dryer door closed
 COOL upper dryer 140° thermostat closed
 OR upper dryer heater relay on
 & upper dryer motor relay on

LOWER DRYER ONLY – LOWER HALF OF DISPLAY

* low voltage present (below about 90 VAC)
 lower dryer motor sensed running
 ° (circle beside digit) lower dryer door closed
 COOL lower dryer 140° thermostat closed
 OR lower dryer heater relay on
 & lower dryer motor relay on

USB MENU

To access USB menu enter into Help Mode. While on the USB screen press the HEAVY DUTY key. To advance through the USB sub menu, use the

NORMAL key. The DELICATES key is the Select key. Press the HEAVY DUTY keypad at any time to exit USB Menu.

CODE	EXPLANATION
U0.00	USB drive Inserted? (Status only)
U0.00	This will be displayed if USB drive is NOT detected.
U0.01	This will be displayed if USB drive IS detected.
→ Press the NORMAL key once to advance to next code.	
U1.00	Programming Mode.
U1.00	This will be displayed if USB drive not detected.
U1.01	This will be displayed if USB drive is detected. If you wish to reprogram the controls Press the DELICATES key 3 times. Display will toggle between U1.01 and ProG while programming in process. Please wait until process is complete, this could take several minutes. After software is successfully downloaded to machine, the control could take several minutes to reset. After reset is complete the machine will return to customer mode or service mode depending on Service Switch status.
FCE4 or FCE5	If the software programming was unsuccessful the display will toggle between U1.01 and FCE4 or FCE5.
→ Press the NORMAL key once to advance to next code.	
U2.00	Export Machine Settings to USB Drive. To find a list of the settings available to Export, see programming section.
U2.00	This will be displayed if USB drive is not detected.
U2.01	This will be displayed if USB drive is detected. If you wish to export machine settings to USB drive press the DELICATES key 3 times. Display will toggle between U2.01 and --.-- while export in process.
donE	Display will toggle between U2 and donE when export finished successfully.
FCE4 or FCE5	If the export was unsuccessful the display will toggle between U2.01 and FCE4 or FCE5.
→ Press the NORMAL key once to advance to next code.	
U3.00	Import Machine Settings from USB Drive. To find a list of the settings available to Import, see programming section.
U3.00	This will be displayed if USB drive is not detected.
U3.01	This will be displayed if USB drive is detected. If you wish to import machine settings from USB drive to machine press the DELICATES key 3 times. Display will toggle between U3.01 and --.-- while import in process.
donE	Display will toggle between U3 and donE when import finished successfully.
FCE4 or FCE5	If the import was unsuccessful the display will toggle between U3.01 and FCE4 or FCE5.
→ Press the NORMAL key once to advance to next code.	
U4.00	Export Machine Audit Data to USB Drive.
U4.00	This will be displayed if USB drive is not detected.
U4.01	This will be displayed if USB drive is detected. If you wish to export machine audit data to USB drive press the DELICATES key 3 times. Display will toggle between U4.01 and --.-- while export in process.
donE	Display will toggle between U4.01 and donE when export finished successfully.
FCE4 or FCE5	If the export was unsuccessful the display will toggle between U4.01 and FCE4 or FCE5.

MODEL/SERIAL NUMBER MENU

To access Model/Serial Number menu enter into Help Mode. While on the S0 screen press the HEAVY DUTY key. To advance through the Model/Serial sub menu, use the NORMAL key. The DELICATES key is the Select key. Press the HEAVY DUTY keypad at any time to exit Model/Serial Menu.

CODE	EXPLANATION
S0.00	Model/Serial Error Status (Status only).
S0.00	This will be displayed if no error present.
S0.20	This will be displayed if Model and Serial number on the control are blank (replaced with a new part).
→ Press the NORMAL key once to advance to next code.	
S1.00	Run Model/Serial Number Check.
S1.00	This will be displayed if no action taken. In order to run the Model/Serial check press the DELICATES key while on the S1.00 screen. The display will then toggle between S1.00 and --.-- while the check is in process.
donE	donE and S1.00 will toggle on the display after the Model/Serial check is complete. To view the results of the check, scroll to S0 Mode to see if an error was detected.
→ Press the NORMAL key once to advance to next code.	
S1.03	Write Model and Serial number from USB to UI and ACU.
S1.03	This will be displayed if no action taken. In order to write Model/Serial number to UI and ACU from USB drive press the DELICATES key 3 times while on S1.03 screen. S1.03 and --.-- will toggle on the display while update is in process.
donE	donE and S1.03 will toggle on the display after update is successfully completed.
FCE4 or FCE5	If the update was unsuccessful the display will toggle between S1.03 and FCE4 or FCE5.
→ Press the NORMAL key once to advance to next code.	

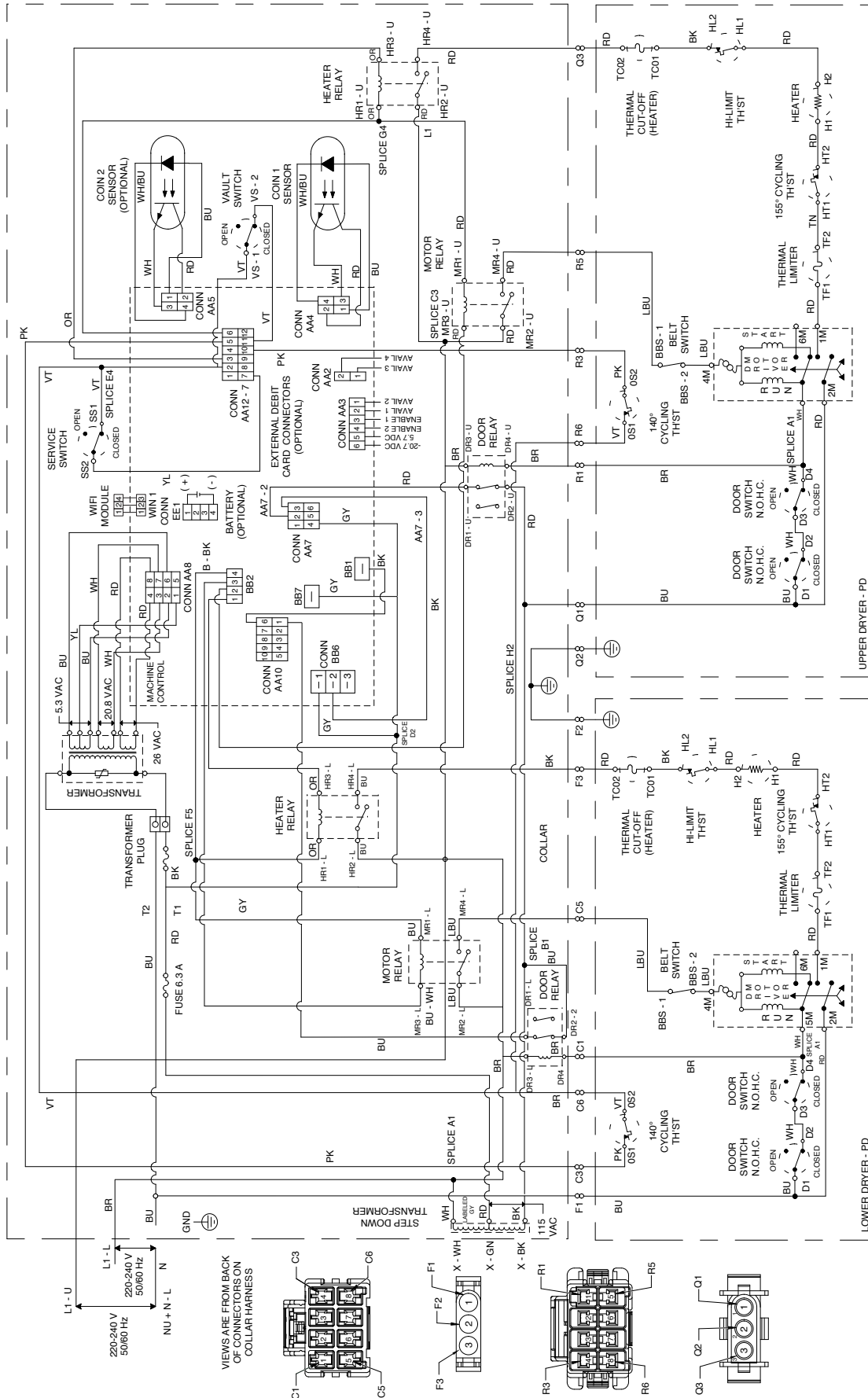
DIAGNOSTIC CODES

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

WiFi Enabled Stack Dryer Error Code List		
Code	Area	Explanation
F 0 E7	Low Voltage Error	Control board recognized line voltage below 90 VAC. Check supply power.
F1 E1	ACU Fault	Check harness connections on control board. Check Power supply.
F1 E7	ACU Voltage Input Fault	Check power supply. Check connections on control board. Check transformer.
F2 E1	Lower Dryer Keypad Stuck Error	Upper dryer keypad is sensed pressed for 10 seconds. Check keypad/membrane switch. This fault will auto-clear after 30 seconds if keypad is determined to not be pressed.
F2 E2	Upper Dryer Keypad Stuck Error	Upper dryer keypad is sensed pressed for 10 seconds. Check keypad/membrane switch. This fault will auto-clear after 30 seconds if keypad is determined to not be pressed.
F5 E1	Lower Dryer Door Circuit Error	Check door switch and door switch harness connections to control board. Clear fault code and run diagnostic cycle. If dryer operates it is a false indication or possible power line noise, check power supply.

WiFi Enabled Stack Dryer Error Code List		
Code	Area	Explanation
F5 E6	Upper Dryer Door Circuit Error	Check door switch and door switch harness connections to control board. Clear fault code and run diagnostic cycle. If dryer operates it is a false indication or possible power line noise, check power supply.
F7 E6	Lower Dryer Motor Circuit Error	Clear fault and run diagnostic cycle. If dryer operates it was a false indication. If fault reappears check harness connections at motor and control board and motor ground. If fault persists replace control board.
F7 E7	Upper Dryer Motor Circuit Error	Clear fault and run diagnostic cycle. If dryer operates it was a false indication. If fault reappears check harness connections at motor and control board and motor ground. If fault persists replace control board.
F7 E8	Lower Dryer Motor Sense Error	Clear fault code and run diagnostic cycle. If dryer operates it is false indication. If fault reoccurs, check motor connector, broken belt switch, and motor ground. If connections are verified, check thermal protect on motor didn't trip and verify connection to control pin 6 on connector AA10.
F7 E9	Upper Dryer Motor Sense Error	Clear fault code and run diagnostic cycle. If dryer operates it is false indication. If fault reoccurs, check motor connector, broken belt switch, and motor ground. If connections are verified, check thermal protect on motor didn't trip and verify connection to control pin 3 on connector AA7.
FC E1	Model/Serial not Programmed	Check Model/Serial in Help Mode Sub Menu programming.
FC E3	WiFi Connection Fault	Check WiFi status and module harness connections.
FC E4	USB Fault	USB Stick failure (USB full, not detected, or not accessible). Check USB Stick.
FC E5	Software Update Failure	Software uploaded from USB Stick does not match to model # of machine. Check software file loaded on USB Stick. Check Model/Serial in Help Mode Sub Menu programming.
FP E1	Coin 1 Circuit Error	Check for blocked Coin drop sensor. Check Coin 1 sensor connection AA4 at control board.
FP E2	Coin 2 Circuit	Check for blocked Coin drop sensor. Check Coin 2 sensor connection AA5 at control board.
FP E3	Card Reader Communication	Cycle power. Check connector from Card Reader to AA3 connection on control board.

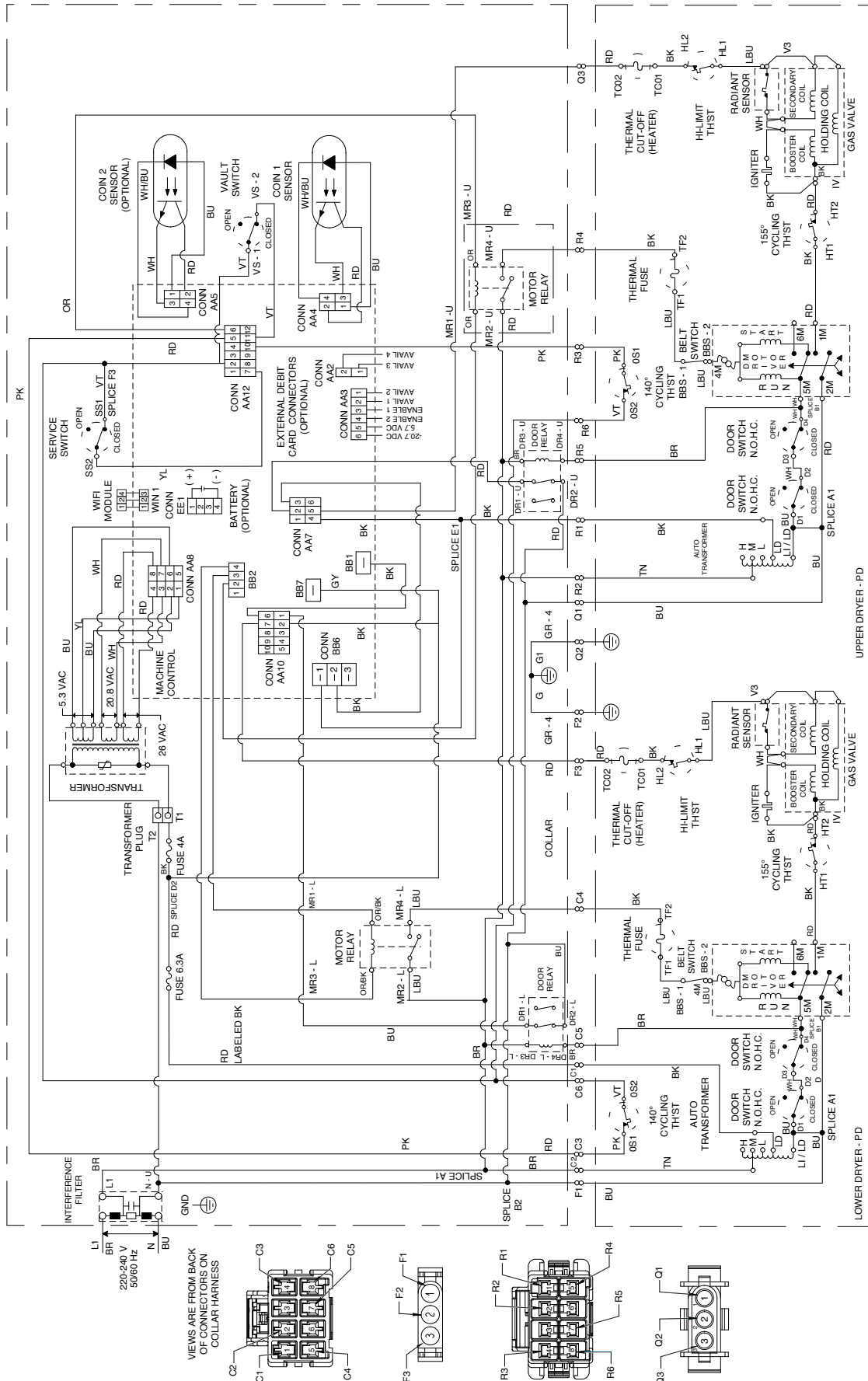
WIRING DIAGRAM - PD ELECTRIC MODELS



LEGEND

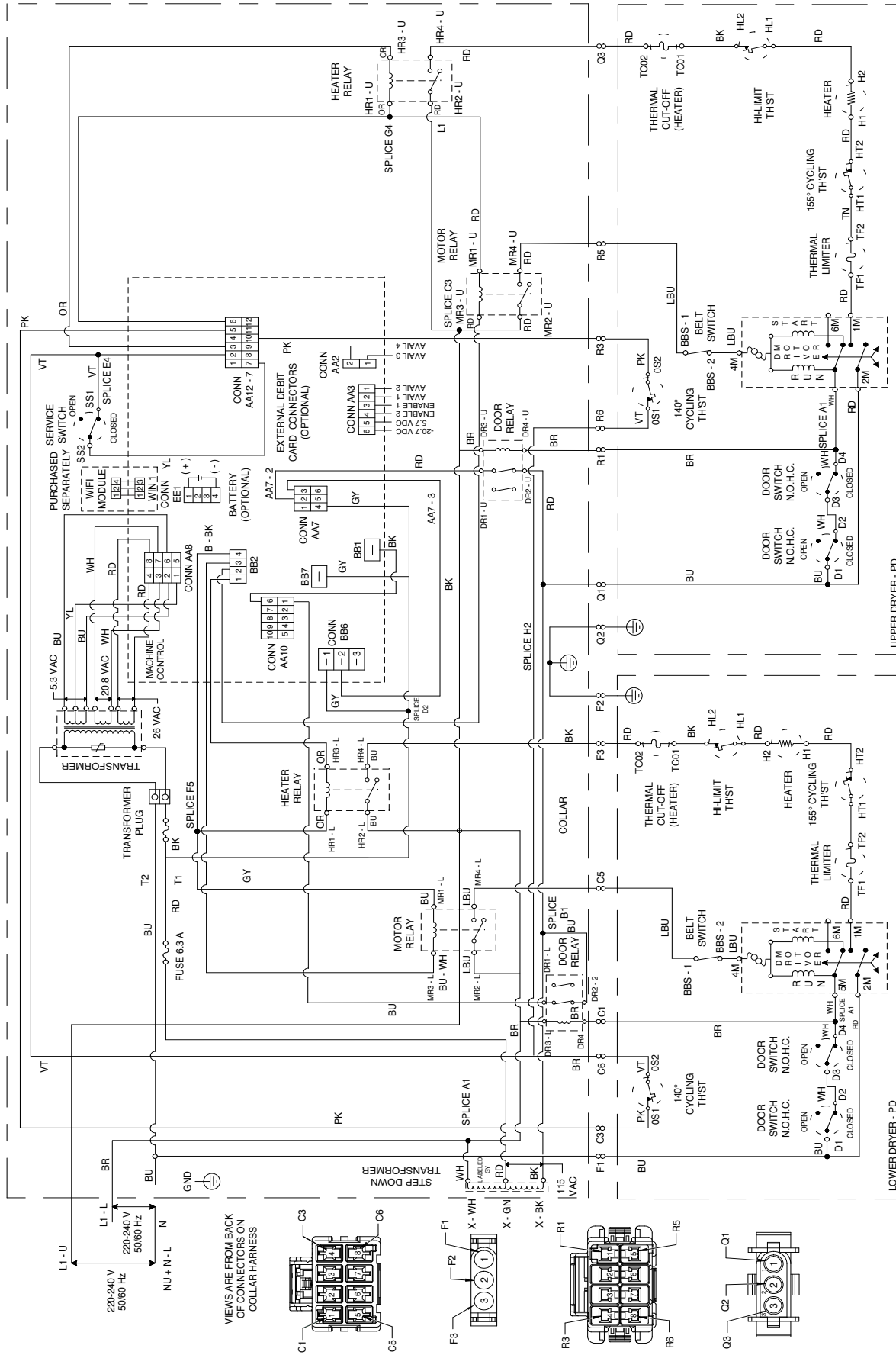
	Protective Earth (Ground)
	Connection
	No Connection
	Some On Models
	In-Line Connection
	P2-1 Connector P2, Position 1
	Enclosed Circuitry Within
	Terminals
	Single Switch
	Thermal Switch (opens on heat rise)
	Thermal Switch (closes on heat rise)
	Resistor or Element
	Motor
	Incandescent Light
	Non-Resettable Fuse
	Thermistor
	Light Indicator
	Triac
	Thermo Fuse
	Double Crimp
	Splice
	Temp Sensor

WIRING DIAGRAM - PD GAS MODELS



FOR SERVICE TECHNICIAN ONLY - DO NOT REMOVE OR DESTROY

WIRING DIAGRAM - PR ELECTRIC MODELS



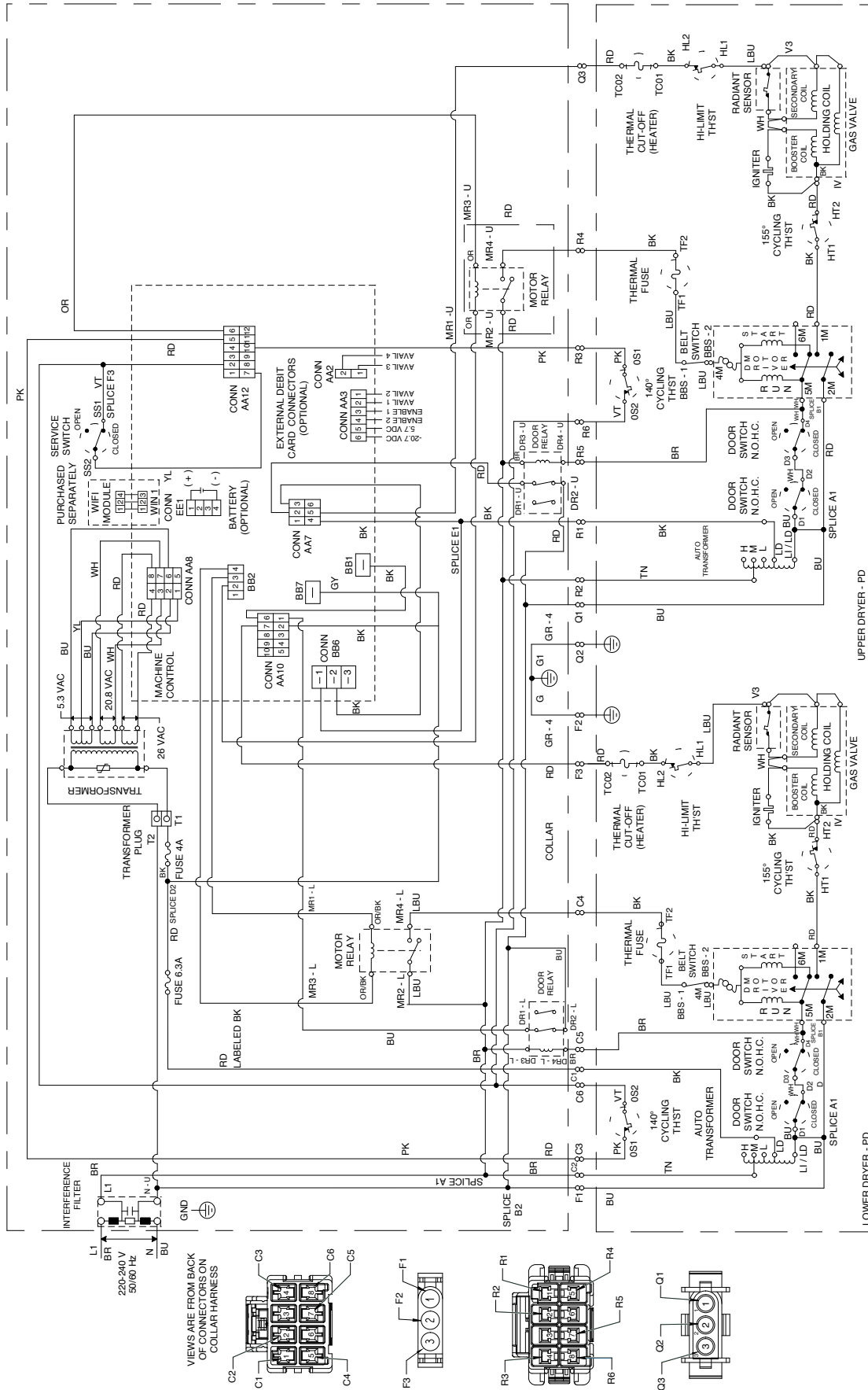
WARNING - DISCONNECT FROM ELECTRICAL SUPPLY BEFORE SERVICING UNIT.

LEGEND

	Protective Earth (Ground)
	Connection
	No Connection
	On Some Models
	In-Line
	Connector P2, Position 1
	Enclosed Circuity Within
	Terminals
	Single Switch
	Thermal Switch (opens on heat rise)
	Thermal Switch (closes on heat rise)
	Resistor or Element
	Motor
	Light Incandescent
	Fuse Non-Resettable
	Thermistor
	Light Indicator
	Triac
	Thermo Fuse
	Double Crimp
	Splice
	Temp Sensor

FOR SERVICE TECHNICIAN ONLY - DO NOT REMOVE OR DESTROY

WIRING DIAGRAM - PR GAS MODELS



WARNING - DISCONNECT FROM ELECTRICAL SUPPLY BEFORE SERVICING UNIT.

LEGEND

	Protective Earth (Ground)
	Connection
	No Connection
	On Some Models
	In-Line Connection
	Connector P2, Position 1
	Enclosed Circuity Within
	Terminals
	Single Switch
	Thermal Switch (opens on heat rise)
	Thermal Switch (closes on heat rise)
	Resistor or Element
	Motor
	Light Incandescent
	Fuse Non-Resettable
	Thermistor
	Light Indicator
	Triac
	Thermo Fuse
	Double Crimp
	Splice
	Temp Sensor

NOTES

NOTES

NOTES

NOTES

