

# Amana Domestic Electric Dryer—Technical Information

## 240 V, 60 Hz Models

### DLE330RAW PDLE330RAW

- Due to possibility of personal injury or property damage, always contact an authorized technician for servicing or repair of this unit.
- Refer to Service Manual RS3200007 for detailed installation, operating, testing, troubleshooting, and disassembly instructions.
- Refer to Parts Manual RP3200019 for part number information.



### CAUTION

All safety information must be followed as provided in this Technical Sheet and in Service Manual RS3200007.



### WARNING

To avoid risk of electrical shock, personal injury, or death, disconnect power to dryer before servicing, unless testing requires it.

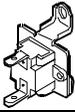
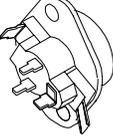
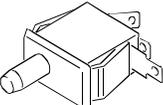
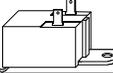
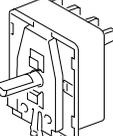
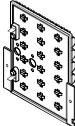
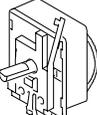
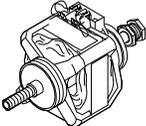
| Models                 | DLE330RAW | Models                      | DLE330RAW                           |
|------------------------|-----------|-----------------------------|-------------------------------------|
| <b>Power Source</b>    |           | <b>Temperature settings</b> | 3                                   |
| Voltage AC             | 240 VAC   | <b>Color coded control</b>  | Electromechanical<br>Bi-directional |
| Amperage (Single Unit) | 30 A      | <b>Features</b>             |                                     |
| Frequency              | 60 Hz     | Easy Access™ Opening        | X                                   |
| Motor horsepower       | 1/3       | Reversible door             | X                                   |
| <b>Dimensions</b>      |           | Upfront lint filter         | X                                   |
| <b>Cabinet</b>         |           | Front servicable            | X                                   |
| Height—overall         | 43"       | FabriCare™ system           | X                                   |
| Height of cabinet      | 36"       | Signal switch               | X                                   |
| Width                  | 27"       |                             |                                     |
| Depth                  | 28"       |                             |                                     |
| Clearance—dryer door   | 23 1/2"   |                             |                                     |
| <b>Weight</b>          |           |                             |                                     |
| Crated                 | 145 lbs.  |                             |                                     |

# Component Testing Information



## WARNING

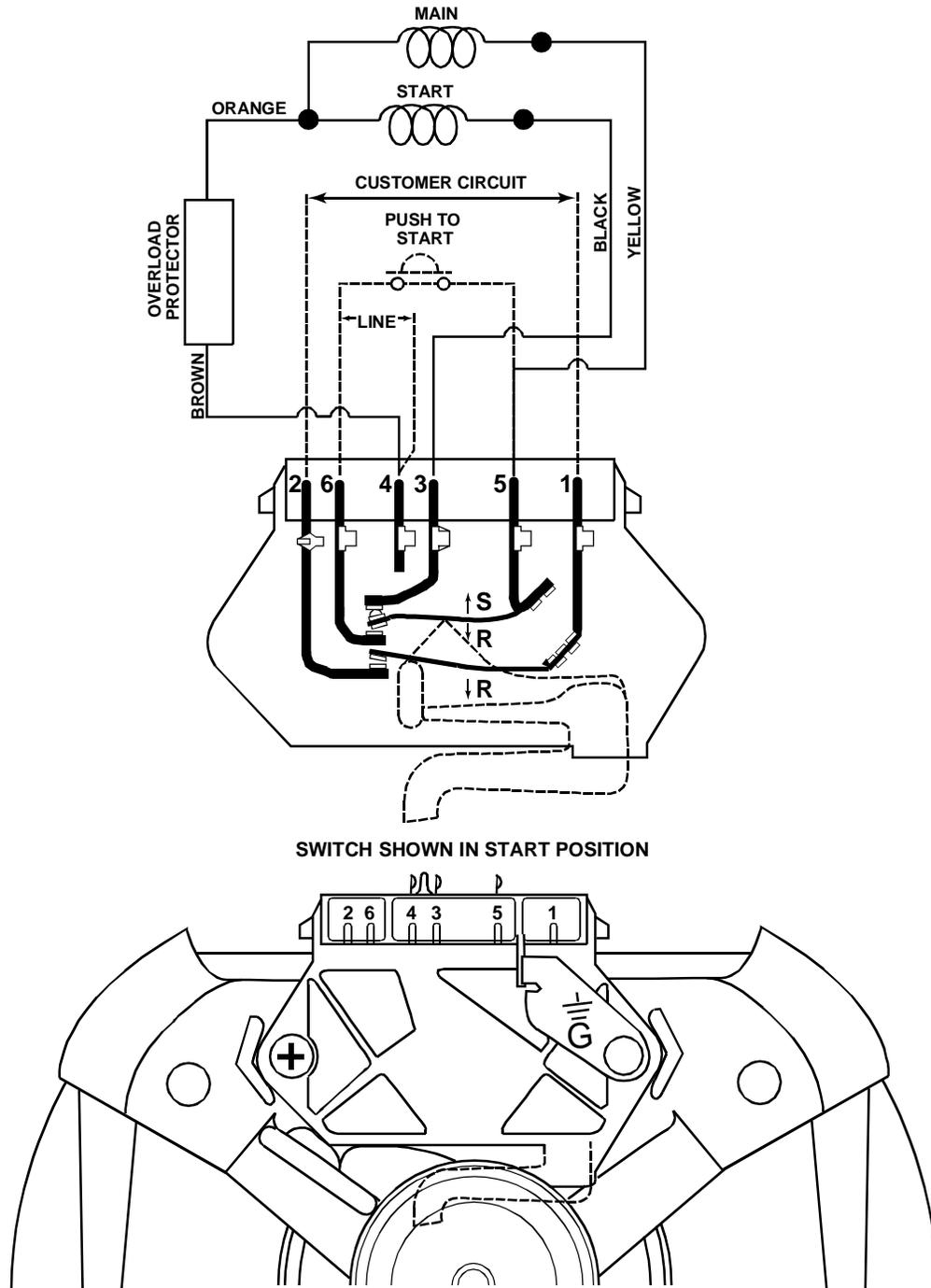
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| Illustration   | Component  | Test Procedure   | Results   |  |      |      |      |                    |   |   |   |          |   |   |   |       |   |   |   |
|--|--|--|---|--|------|------|------|--------------------|---|---|---|----------|---|---|---|-------|---|---|---|
| 62600<br>                 | Thermal fuse                                       | Measure resistance of thermal fuse from terminal to terminal.<br><br>Open at $360^{\circ} \pm 12^{\circ} \text{ F}$ ( $182^{\circ} \pm 7^{\circ} \text{ C}$ ) ....<br>Auto reset $-31^{\circ} \text{ F}$ ( $-35^{\circ} \text{ C}$ ) | If thermal fuse is open, both <u>thermal fuse</u> and <u>limit thermostat</u> <b>must be replaced</b> .<br><br>Continuity < $1 \Omega$  |  |      |      |      |                    |   |   |   |          |   |   |   |       |   |   |   |
| Red – 62641<br>           | Thermostat limit<br><br>S.P.S.T. – 2 terminals     | Measure resistance of the following terminals:<br><br>Terminals 1 – 2 .....  | Open at $225^{\circ} \pm 7^{\circ} \text{ F}$<br>Close at $185^{\circ} \pm 9^{\circ} \text{ F}$<br><br>Continuity < $1 \Omega$  |  |      |      |      |                    |   |   |   |          |   |   |   |       |   |   |   |
| Pink / White – 503979<br> | Thermostat cycling<br><br>S.P.D.T. – 3 terminals   | Measure resistance of the following terminals:<br><br>Terminals 1 – 3 .....<br>Heat thermostat with a small flame until a distinct click is heard.<br>Terminals 1 – 2 .....  | Open at $153^{\circ} \pm 5^{\circ} \text{ F}$<br>Close at $138^{\circ} \pm 5^{\circ} \text{ F}$<br><br>Continuity < $1 \Omega$<br><br>Continuity < $1 \Omega$   |  |      |      |      |                    |   |   |   |          |   |   |   |       |   |   |   |
| 61623<br>                 | Thermostat heater                                  | Disconnect wire terminals and measure resistance of terminals.<br><br>Terminal to terminal.....  | $2400 \pm 240 \Omega$   |  |      |      |      |                    |   |   |   |          |   |   |   |       |   |   |   |
| 504570<br>               | Door switch<br><br>1 – COM<br>2 – N.C.<br>3 – N.O. | Measure resistance of the switch:<br>Door closed<br>Terminals 1 – 3 .....<br>Door opened<br>Terminals 1 – 2 .....  | Continuity < $1 \Omega$<br>Continuity < $1 \Omega$  |  |      |      |      |                    |   |   |   |          |   |   |   |       |   |   |   |
| 38424W<br>              | ON / OFF Signal switch                             | Measure resistance of switch positions:<br>ON (Closed position) .....<br>OFF (Open position).....  | Continuity < $1 \Omega$<br>Infinite > $1 \text{ M}\Omega$   |  |      |      |      |                    |   |   |   |          |   |   |   |       |   |   |   |
| 40119401<br>            | Signal buzzer                                      | Measure resistance of the buzzer:<br><br>Terminal to terminal.....   | $1.2 \text{ K} - 1.4 \text{ K } \Omega$   |  |      |      |      |                    |   |   |   |          |   |   |   |       |   |   |   |
| 40084101<br>            | Fabric selector<br>3 position switch               | Place switch in the positions indicated in the chart.<br>Measure resistance of the terminals indicated.<br><br>X indicates continuity ( $< 1 \Omega$ )   | <table border="1"> <thead> <tr> <th></th> <th>L1-1</th> <th>L1-2</th> <th>L1-3</th> </tr> </thead> <tbody> <tr> <td>Perm Press/Regular</td> <td>—</td> <td>X</td> <td>—</td> </tr> <tr> <td>Delicate</td> <td>X</td> <td>X</td> <td>—</td> </tr> <tr> <td>Fluff</td> <td>—</td> <td>—</td> <td>X</td> </tr> </tbody> </table> |  | L1-1 | L1-2 | L1-3 | Perm Press/Regular | — | X | — | Delicate | X | X | — | Fluff | — | — | X |
|  | L1-1   | L1-2   | L1-3  |  |      |      |      |                    |   |   |   |          |   |   |   |       |   |   |   |
| Perm Press/Regular   | —  | X  | —   |  |      |      |      |                    |   |   |   |          |   |   |   |       |   |   |   |
| Delicate   | X  | X  | —   |  |      |      |      |                    |   |   |   |          |   |   |   |       |   |   |   |
| Fluff  | —  | —  | X   |  |      |      |      |                    |   |   |   |          |   |   |   |       |   |   |   |
| 503978<br>              | Heating element                                    | Measure resistance of element from terminal to terminal.   | $10.01 - 9.43 \Omega$   |  |      |      |      |                    |   |   |   |          |   |   |   |       |   |   |   |
| 40112601<br>            | Timer  | Verify input and output voltage is present.  | Refer to specific model Technical Sheet for timing sequence chart and functional description of the component.  |  |      |      |      |                    |   |   |   |          |   |   |   |       |   |   |   |
| 40099801<br>            | Motor  | See “Internal Motor Diagram and Schematic” section.  | <b>See following section “Internal Motor Diagram and Schematic” for correct wiring contacts.</b>  |  |      |      |      |                    |   |   |   |          |   |   |   |       |   |   |   |

# Internal Motor Diagram and Schematic

## **WARNING**

To avoid risk of electrical shock, personal injury, or death, disconnect power to dryer before servicing, unless testing requires it.

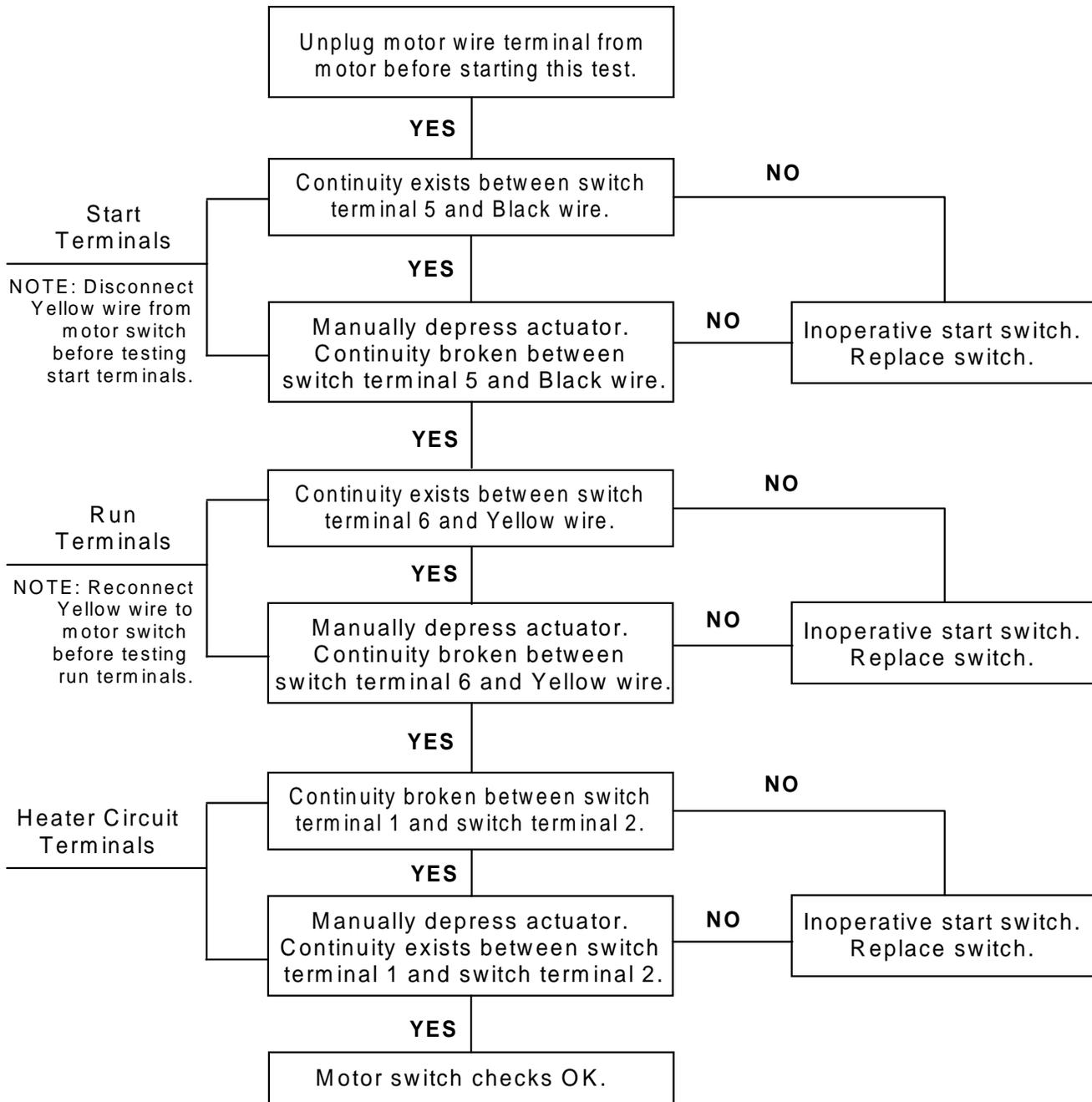


# Internal Motor Diagram and Schematic



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# Wiring Diagram and Schematic

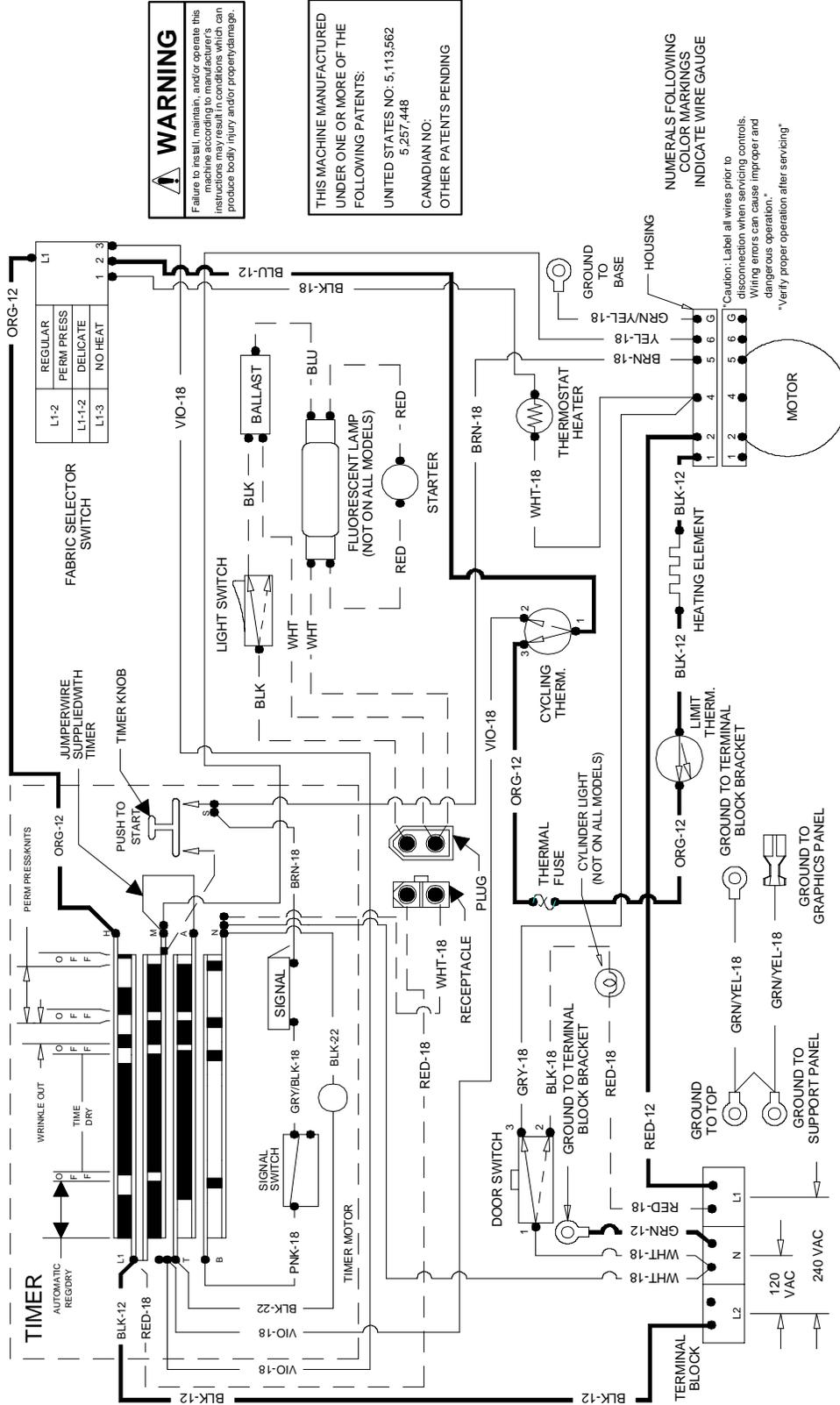


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**WARNING**  
 Failure to install, maintain, and/or operate this machine according to manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.

THIS MACHINE MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING PATENTS:  
 UNITED STATES NO. 5,113,562  
 5,257,448  
 CANADIAN NO. OTHER PATENTS PENDING



NUMERALS FOLLOWING COLOR MARKINGS INDICATE WIRE GAUGE

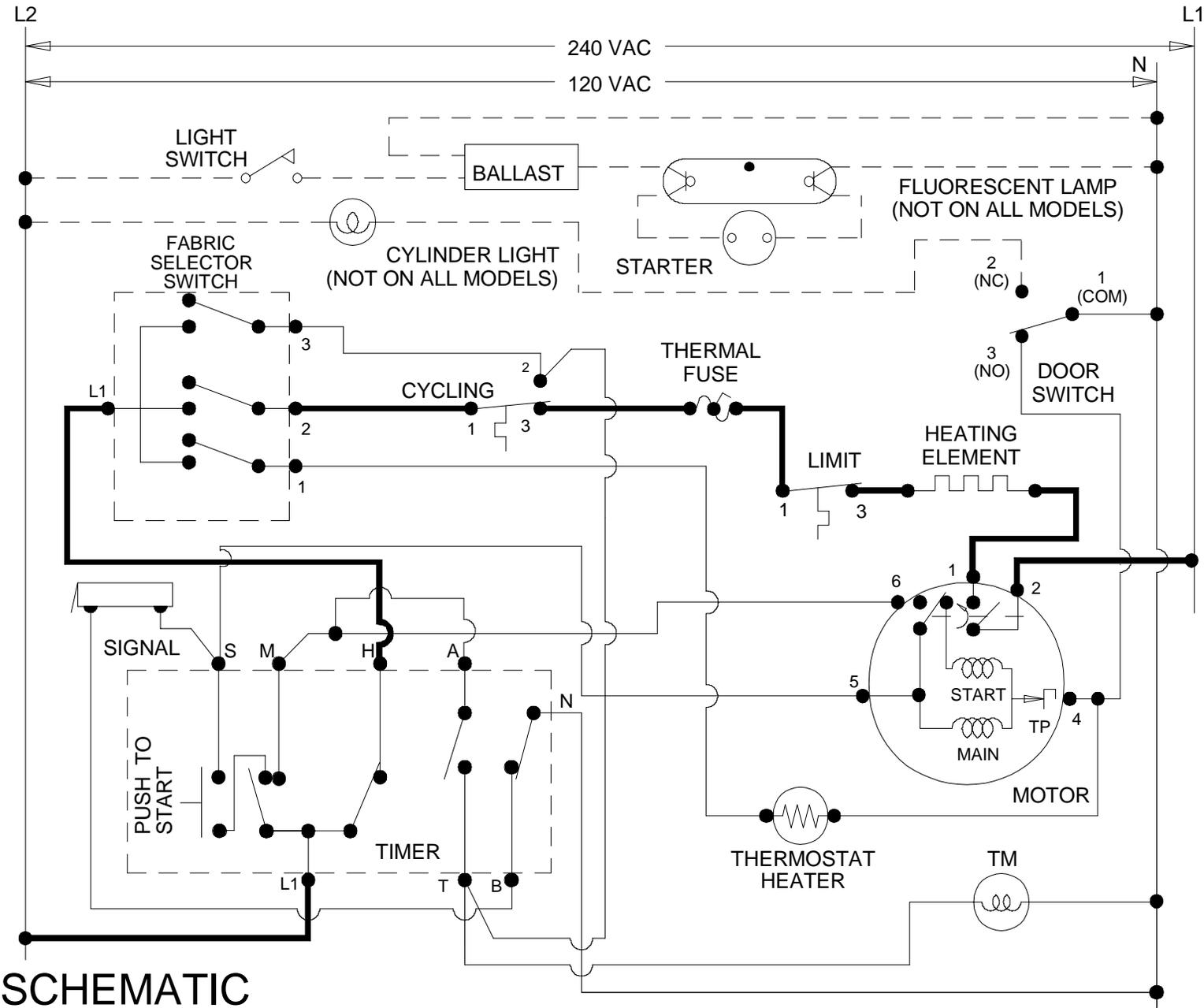
Caution: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation.  
 \*Verify proper operation after servicing\*

PART NO. 40119202

CONNECTION DIAGRAM

# Wiring Diagram and Schematic

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**SCHEMATIC**