

# Important Instructions

**Subject** Wiring Marathon Fan Motor with Booted Centrifugal Switch

**Use With** 75 Pound Nonreversing Tumble Dryers



## WARNING

This kit is to be installed in accordance with the manufacturer's instructions and all codes and requirements of the authority having jurisdiction. In Canada, this conversion/installation shall be carried out in accordance with the requirements of the provincial authorities having jurisdiction and in accordance with the requirements of the CAN/CGA-B149.1 and CAN/CGA-B149.2 installation code. Failure to follow instructions could result in serious injury, death or property damage. The qualified agency performing this work assumes all responsibility for this kit installation.

W013R4

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the tumbler before servicing.
- Close gas shut-off valve to gas tumbler before servicing.
- Close steam valve to steam tumbler before servicing.
- Never start the tumbler with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the tumbler is properly grounded.

W002

**Kit No. 44245501 for Models starting Serial No. 0904004427 consists of:**

- 1 - 44242501 Motor
- 1 - 44245201 Motor Harness
- 1 - 44245301 Contactor Harness
- 1 - 70321701 Motor-Harness Bracket
- 2 - 23222 Screws
- 1 - 12-11-396R5 Kit Instructions

**Kit No. 44245502 for Models through Serial No. 0904002963 consists of:**

- 1 - 44242501 Motor
- 1 - 44250101 Motor Harness
- 1 - 70321701 Motor-Harness Bracket
- 2 - 23222 Screws
- 1 - 12-11-396R5 Kit Instructions

1. Remove power to machine.
2. Record location of harness power wiring for future reference.
3. Remove existing motor and harness (es).
4. Where applicable, install new contactor harness provided with 44245501 kit.
5. Using screws (P/N 23222 provided in kit) install bracket (P/N 70321701 provided in kit) onto new motor.
6. Connect motor harness to motor bracket.
7. Determine if motor is to be operated at "Low" voltage (100-120v) or "High" voltage (200-240v).
8. Proceed to appropriate voltage section below for wiring the motor.

### LOW Voltage Applications (100-120v)

- a. Connect light blue harness wire to LINE 4. Refer to *Figure 1*.
- b. Connect black harness wire to LINE 1. Refer to *Figure 1*.
- c. Verify that black internal motor wire (P2) is connected to terminal 2.



- d. Verify that blue internal motor wire is connected to terminal “LINE 4”.
- e. Connect brown/white and white/brown or white/brown and orange/brown harness wires to black motor wires. Refer to *Figure 2*.
- f. Proceed to step 9.

**NOTE: Do not connect any external wires to terminals 3, 5 or 6. Any existing internal motor wires should remain on these terminals.**

**HIGH Voltage Applications (200-240v)**

- a. Connect light blue harness wire to LINE 4. Refer to *Figure 1*.

- b. Connect black harness wire to LINE 1. Refer to *Figure 1*.
- c. Move black internal motor wire (P2) from terminal 2 to terminal 6.
- d. Move blue internal motor wire from terminal “LINE 4” to terminal 2.
- e. Connect brown/white and white/brown harness wires to black motor wires. Refer to *Figure 2*.
- f. Proceed to step 9.

**NOTE: Do not connect any external wires to terminals 3 or 5. Any existing internal wires should remain on these terminals.**

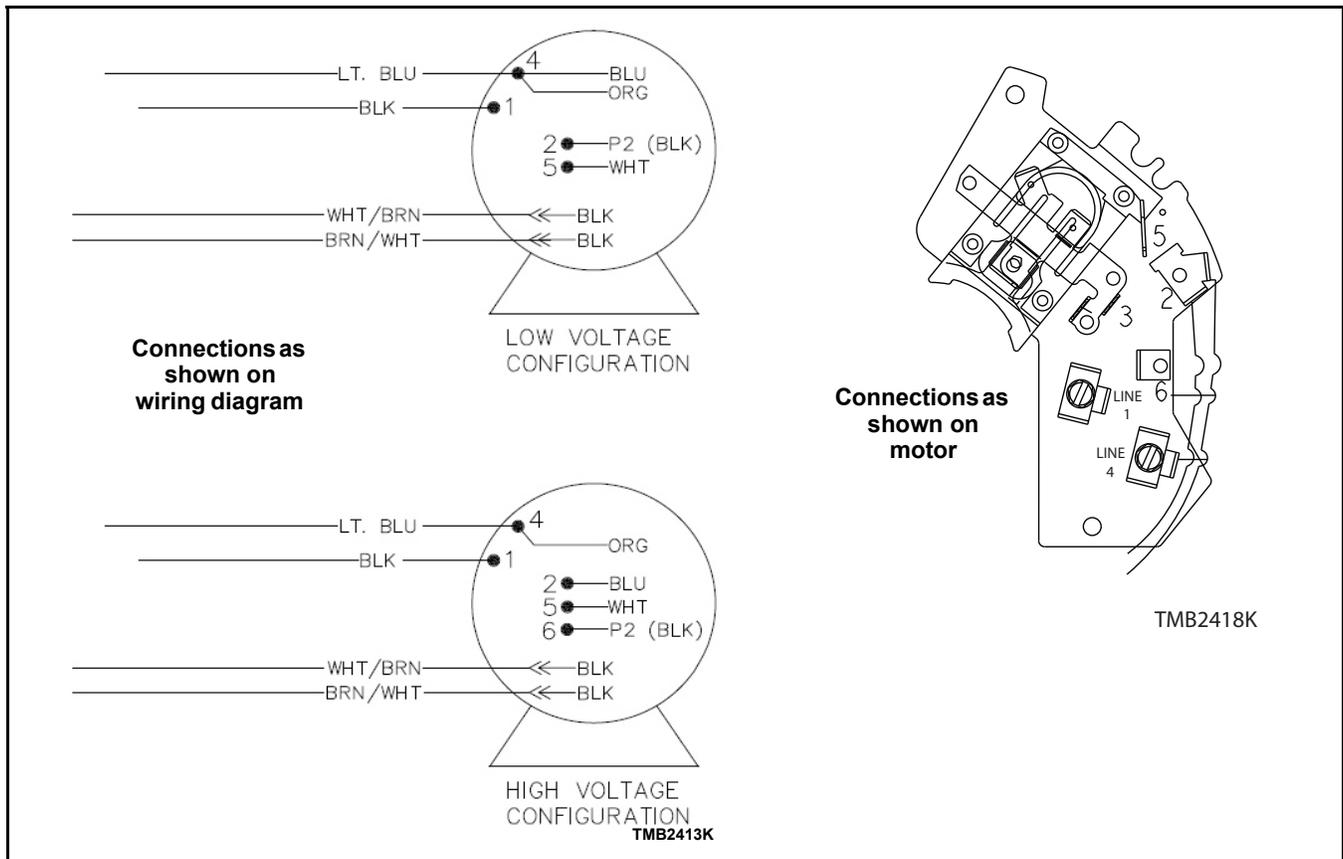


Figure 1

9. Install new motor and connect motor harness. Refer to *Figure 3*. Verify that all wires are connected properly and protected from sharp objects.

**IMPORTANT: Re-using existing harnesses may result in poor performance and overheating of connector.**

10. Apply power to machine and start a normal cycle. Ensure that motor rotation direction is correct and that heat circuit is functional.

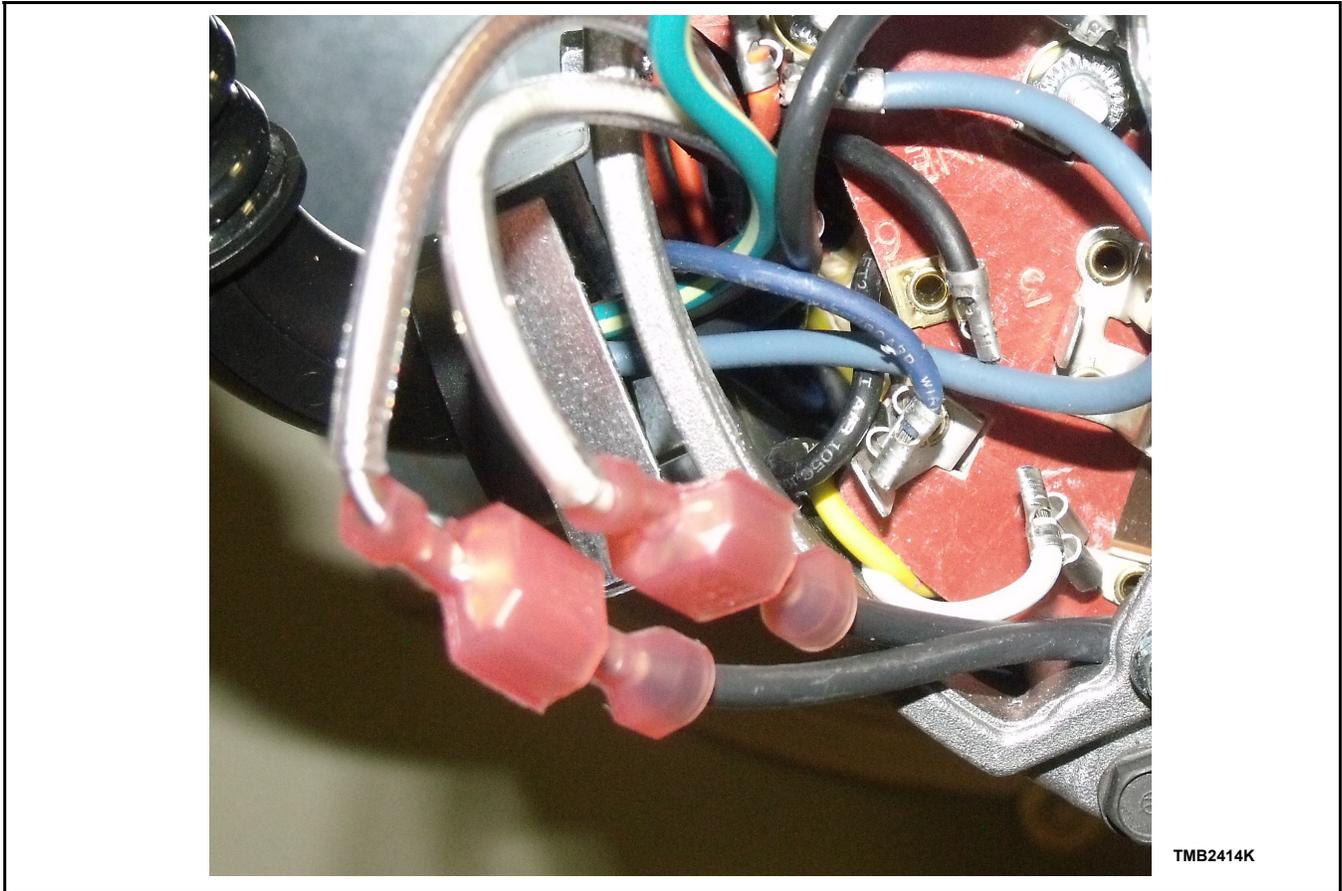
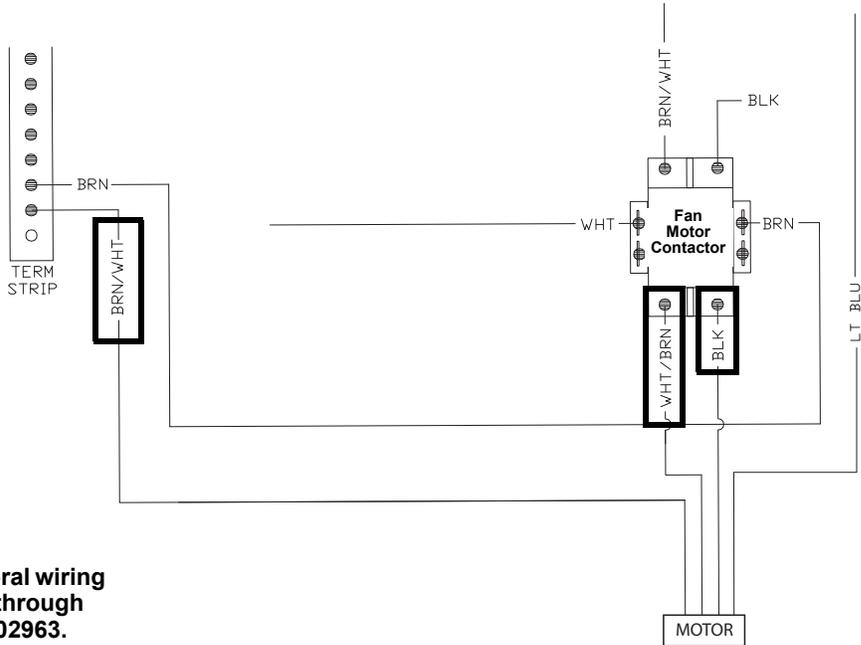


Figure 2

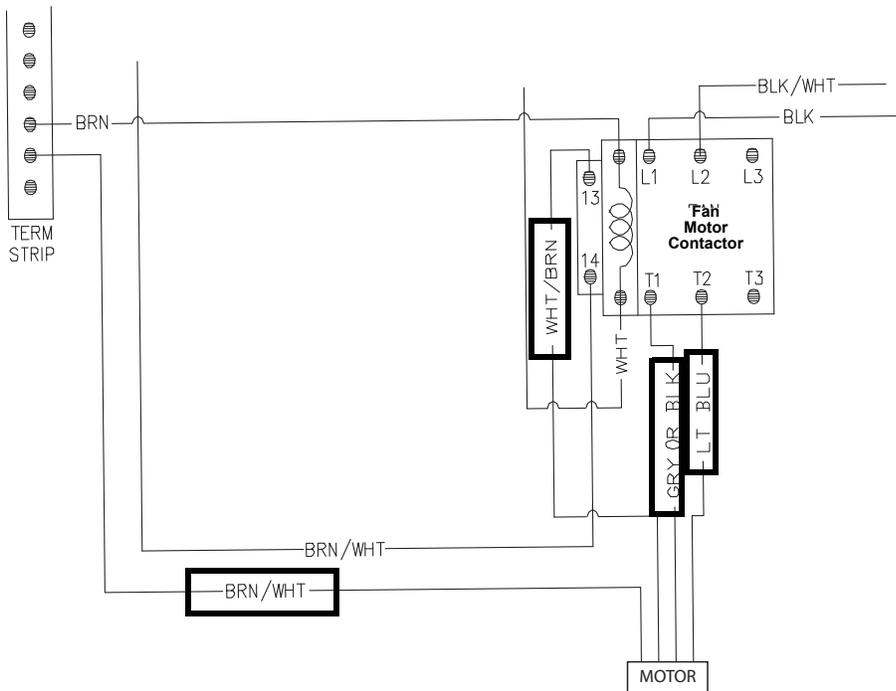
**Low Voltage Application**



**NOTE: This is a general wiring guide for models through Serial No. 0904002963.**

TMB2419K

**High Voltage Application**



TMB2420K

Figure 3