

# RANGE OVEN MOTOR

## SD32244

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**IMPORTANT:** Unplug your appliance and turn off power at the breaker before servicing. If you have doubts or are unfamiliar with this type of installation work, seek the services of a qualified Service Technician. Supplying Demand assumes no responsibility for the improper installation of this product.

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### THIS KIT INCLUDES:

- 33800 (1) Motor, 208-240V, 1/2HP, 2 SP
- 57858 (2) Label, 5 wires motor connection

### INSTALLATION INSTRUCTIONS

1. Disconnect power supply
2. Remove the front cover, control over, and body side.
3. Remove wire racks and baffles to gain access to the blower wheel. Remove the blower wheel and dispose of a key-way.
4. Remove the motor
  - a. Remove motor wiring terminals from the terminal block located on the back perforated panel.
  - b. Remove the old wiring cable and connector (strain relief).
  - c. Older oven models may have a junction box on the back of the oven and will have wire nuts.
5. Install the new motor
  - a. Install the motor even with the bracket end and center it on the motor mount.
  - b. Note that on SHO and Zephaire ovens (and possible older models), the centrifugal switch (gray wires) will be connected to yellow and the remaining colors will be matched (black with black, white with white, and red with red) - Verify this with the wiring schematic.
6. Connect wires from FIR motor with the connectors or to the terminal block. Note that the new motor has different colors for Common, High, and Low speed.
  - i. Connect gray wires with gray
  - ii. Connect red (Common/Neutral on FIR) with white
  - iii. Connect FIR black with red
  - iv. Connect FIR white with yellow
  - v. Refer to wiring label on the motor (Common - Red)(High Speed - Black)(Low Speed - White)
    - a. Note: Single speed ovens will have only connection for high speed.
7. Apply provided note to schematic: Apply the label to the schematic (do not cover any information) for possible future explanation of wired motor. Apply one label on the inside of the control panel and one label on the back of the oven.
8. Install the blower wheel with distance between the blower wheel and back cavity wall at 3/8". Note that two blower wheel set screws will now tighten down on the flat sides of the motor shaft.
9. Install all covers, baffle, and wire racks. Reconnect power and gas, and test the oven for proper operation.