

K-200

Installation Instructions

Repair Parts List



Henkel, Inc.
P.O. Box 1322
Hammond, LA
70404
(985) 345-2171

www.keenovens.com



Henkel, Inc.

P.O. Box 1322 * Hammond, Louisiana * 70404 * (985) 345-2171
www.keenovens.com

**Model K-200 Bench Type Oven
Installation Instructions & Repair Parts List**

One Year Limited Warranty

.....
Henkel, Inc. warrants its products against defects in material and workmanship. Henkel, Inc. will either repair or replace without charge any properly installed product which fails under normal operating conditions within one year from date of installation, provided it is returned to our factory, transportation prepaid, and our inspection determined it to be defective under the terms of this warranty. The warranty covers only equipment manufactured by Henkel, Inc., and does not extend to transportation, installation, or replacement charges at the buyers' facility; nor does it apply to any other equipment of another manufacturer used in conjunctions with Henkel, Inc. equipment. No other warranty, expressed or implies exists beyond that included in this statement.
.....

Recommended Spare Parts

**When it is critical to have continuous operation of this unit;
we suggest having the following spare parts on hand:**

- Heating Element**
- Power Cord**
- Thermostat**

General Information

Model K-200 Keen ovens are designed for the small to medium shop. These ovens are compact and energy efficient. Model K-200 has a capacity of 200 lbs. The K-200 is thermostatically controlled. Construction is of steel, which has been treated and then painted with a chemical-resistant blue finish. All models are Mercury free.

Keen Ovens

Model K-200

Specifications

Electrode Capacity	200lbs. 18" rods
Volts (Specify)	120V or 240V AC
Watts	500W
Thermostat	Factory Present/Field Adjustable
Temperature	Preset 275°F : Range 100°F-300°F
Insulation	1"
Interior Dimensions	12.5" X 12.5" X 18.25"
Net Weight	53lbs.
Shipping Weight	66lbs.
Shipping Dimensions	19.5" X 17.5" X 26"

Installation

Locate oven in an area free of flammable material and near appropriate electrical source.

Safety Precautions

Read all instructions completely before attempting to operate this unit.

***** SAVE THESE SAFETY INSTRUCTIONS *****

To reduce the risk of electrical shock, fire, or personal injury follow the guidelines below:

- Before connecting unit to a power source, be sure the voltage supplied is the same as that specified on the name plate of the unit.
- Check outlet to ensure proper grounding of the electrical cable. Have a licensed electrician check the A/C power outlet if you are not sure.
- Use this unit for its intended purpose as described by literature.

- Make sure power cord is located so that it will not be stepped on, tripped over, or otherwise subjected to stress of heat, oil, or sharp edges. Do not close doors on the cord.
- To reduce the risk of damage to the electric plug and cord, disconnect by plug rather than by the cord.
- Do not use this unit if cord or plug is in poor condition. If it has been exposed to weather or immersed in water, have a qualified serviceman inspect and replace parts as necessary.
- **WARNING! NEVER HANDLE PLUG, CORD, OR UNIT WITH WET HANDS OR WHILE STANDING IN WATER.**
- Use special care when moving heavily loaded units.
- Do not store combustible material on or around the unit.
- Do not operate this unit empty.
- When using the unit at a distance where an extension cord becomes necessary, a 3-conductor grounding cord of adequate size must be used for safety, and to prevent loss of power and overheating. Use only a UL listed extension cord suitable for outdoor use. Make certain wire size is large enough for A/C amperage rating of unit.

Operation

To load oven, open latch on lid and simply place desired amount of electrodes in oven. To turn on the unit, simply plug the 8' UL listed power cord into power source of appropriate voltage. Oven may be operated on direct current IF AMPLE VOLTAGE IS AVAILABLE. (Check name plate for voltage.) Unit will not heat to capacity without appropriate voltage.

Thermostat is factory preset. All units meet electrical code requirements when used with a grounding plug and a grounded receptical. **LOCATE IN AN AREA FREE OF FLAMMABLE MATERIAL AND NEAR APPROPRIATE ELECTRICAL SOURCE.**

***** CAUTION : DO NOT USE ON D/C POWER SUPPLY!! *****

Temperature Setting

The model K-200 oven is thermostatically controlled oven with a temperature range of 100°-300°F. The thermostat is factory preset at 275°F, ($\pm 15^\circ\text{F}$). To adjust temperature setting, first disconnect oven from power source. Remove solid chrome plug from back of oven to gain access to thermostat set screw. Use small screwdriver and turn set screw. (Turning set screw clockwise decreases temperature. Turning set screw counter-clockwise increases temperature. One-fourth [1/4] turn equals approximately 35°F.) Replace chrome plug and reconnect oven to power source.

CAUTION

Surface temperature of heating element will exceed 300°F. Electrodes adversely affected by high heat should be stored on upper oven shelves.

Guide to Storage

See the enclosed guide to storage. This guide may be used in the absence of storage information from the electrode manufacturer. In critical situations, contact your electrode manufacturer.

Functional Description

The model K-200 is an economically priced oven that allows the small to medium shop to store electrodes at moderate optimum temperatures providing protection from harmful moisture. The unique diagonal shelf design allows the storage of a 50 lb tin and 150 lbs of loose electrodes. The individual shelf compartments also facilitate the storage of different type rods in the same oven without disorder.

Scheduled Maintenance

The manufacturer recommends that the unit be unloaded and cleaned of debris and dust every six months. It is also recommended that a temperature probe be placed inside the unit and the thermostat calibration checked at this time.

Troubleshooting

The Keen oven model K-200 requires a minimal amount of electrical knowledge to repair if necessary.

IF OVEN FAILS TO OPERATE – NO HEAT

1. Check power source.
2. Check power cord continuity. Replace cord assembly if faulty.
3. If power supply cord checks out, disconnect oven from power supply and remove bottom cover and insulation.
4. Remove the two leads from thermostat terminals and check for continuity across terminals. If continuity is not present between thermostat terminals, replace thermostat.
5. If thermostat is good, check continuity of element. If continuity is not present, replace element.

IF OVEN OVERHEATS

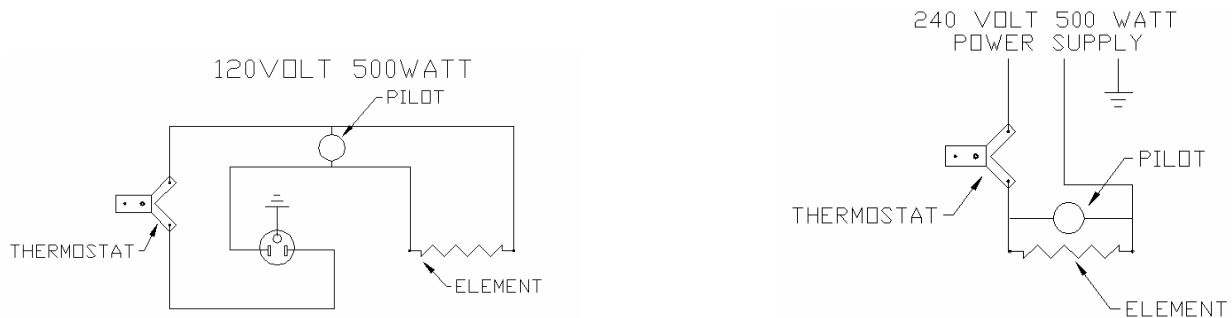
1. If oven overheats, adjust thermostat.
2. If thermostat calibration fails to lower temperature, replace thermostat.

Corrective Maintenance

CHANGING ELEMENT: K-200

1. Disconnect power source.
2. Remove back cover and insulation.
3. Remove electrical junction box cover.
4. Disconnect element leads from thermostat and power cord.
5. From interior of unit, remove element from mounting bolt and pull element out of oven.
NOTE: For Model K-200, shelving must be removed prior to removing and installing element.
6. Bolt new element into place and rewire leads to thermostat and power cord.
7. Replace insulation and covers.

Model K-200 Wiring Diagrams



CHANGING THE THERMOSTAT

1. Disconnect from the power source.
2. Remove back cover and insulation.
3. Disconnect two leads from the thermostat and remove thermostat.
4. Install new thermostat and reconnect thermostat leads. (Be sure thermostat terminals are clear of oven walls.)
5. Replace insulation and back cover.
6. After oven is put back in operation you may wish to take an interior temperature reading. If thermostat adjustment is needed, refer to "Temperature Setting" section.

THERMOSTAT CALIBRATION & ADJUSTMENT

1. Disconnect power cord.
2. Snap off solid chrome plug located at rear of oven.
3. Thermostat is readily visible in bottom of oven.
4. Use small screwdriver and turn set screw. (Turning set screw clockwise decreases temperature. Turning set screw counter-clockwise increases temperature. [1/4] turn equals approximately 35°F.)

Model K-200 Repair Parts List

ITEM #	QUANTITY	DESCRIPTION	PART NUMBER
1	1	Shelf Assembly	N/A
2	1	Name Plate	450103
3	1	Door Pull	430102
4	1	Elements 120V 500W	301022
		240V 500W	301039
5	1	Power Cord	120V 301155
			240V 301155
6	1	Thermostat	120V 301024
			240V 301024
7	1	Back Cover	N/A
8	1	Solid Chrome Plug	490107
9	1	Draw Pull Catch	430106
10	1	Neon Pilot Light	301085
11	1	Strain Relief	301043

(Item numbers refer to pictorial drawings below for repair parts.)

** Please state model number and serial number and specify voltage and wattage when ordering repair parts, spare parts, or accessory parts. All necessary attaching hardware is supplied with each part ordered.

