

K-360-36

Instructions

Repair Parts List



HENKEL, INC
P.O. BOX 1322
HAMMOND, LA 70404
(985) 345-2171
www.keenovens.com



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P.O. Box 1322 * Hammond, Louisiana * 70404 * (985) 345-2171
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**Model K-360-36 Holding Ovens
Installation Instructions & Repair Parts List**

One Year Limited Warranty

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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.
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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 Assembly**
- Power Cord**
- Thermostat Assembly & Thermometer Kit**

General Information

The K360-36 oven with its superior structural design and energy efficient heat exchange will provide many years of durable, trouble free service.

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

Load oven with desired amount of electrodes. To turn on the unit, simply plug the power cord into appropriate single phase A/C source and adjust thermostat to desired setting. (Check name plate for voltage.) All units meet electrical code requirements when used with a grounding plug and a grounded receptacle.

Temperature Setting

The thermostat is adjustable from 150°F (37.8°C) to 550°F (287.8°C). Turn thermostat knob to desired temperature by aligning with red line on chrome bezel. Pilot light indicates when power supply is supplied to the heating elements. The thermostat is accurate to $\pm 23^{\circ}\text{F}$ (14°C) at the sensor. Temperature variance is minimal throughout the oven due to the heat exchanging qualities of the Keen shelving system.

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

***** CAUTION: SURFACE TEMPERATURE OF HEATING ELEMENTS WILL EXCEED 550°F. ELECTRODES ADVERSELY AFFECTED BY HIGH HEAT SHOULD BE STORED ON UPPER SHELVES OF OVEN. *****

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-360-36 require 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 pilot light glows, voltage is being supplied by elements. Check elements. Check element continuity. If defective, replace.
4. If thermostat cannot be heard clicking on and off when dial is rotated, and if pilot light fails to operate, replace thermostat.

IF OVEN OVERHEATS

If oven fails to cycle on and off and reaches temperatures above 550°F thermostat is faulty and needs replacing. If oven operates but is off from setting see calibration instructions.

Corrective Maintenance

CHANGING THE HEATING ELEMENT

1. Disconnect oven from power source.
2. Remove back cover and insulation from rear of unit.
3. Disconnect electrical leads from elements.
4. Remove any materials from bottom shelf and remove shelf from oven
5. Unscrew element bracket from oven and remove element.
6. Install new element and replace shelf in oven.
7. Attach electrical leads to new element and replace back cover.

CHANGING THE THERMOSTAT

1. Disconnect from the power source.
2. Remove control box cover
3. Loosen set screw in thermostat knob and remove knob. Remove chrome mounting ring (bezel).
4. Remove sensing tube from holder.
5. Remove wire connectors from thermostat leads and remove thermostat by pulling sensing tube through oven wall.
6. To replace new thermostat, attach electrical leads to thermostat and pass sensing tube through oven wall and into holder.
7. Mount thermostat to control box loosely with red indicating line in upward position. Place knob on thermostat stem and check rotation of knob. When knob turns freely, remove and tighten chrome mounting ring (bezel).
8. Replace thermostat knob and control box cover.

THERMOSTAT CALIBRATION & ADJUSTMENT

1. Turn on unit. Set control dial at desired temperature.
2. Allow control to cycle at least three times and observe temperature at the middle of the fourth cycle.
3. If calibration is required, carefully remove dial knob. Do not turn shaft.
4. Turn calibration screw in center of dial shaft clockwise to lower temperature and counter-clockwise to increase temperature.
5. Allow unit to cycle three times and observe temperature at middle of fourth cycle. Readjust calibration screw if necessary.
6. Replace dial knob.