

K-15 &

K-15 WT

Installation Instructions

Repair Parts List



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**Models K-15 & K-15 W/T
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 conjunction 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**
- Power Cord**
- Thermostat**

General Information

The K-15 and K-15 W/T portable ovens are designed for use in the shop or field. These ovens will protect electrodes from moisture during transfer from a holding oven to the job. They are light and easy to carry. The square shape gives these ovens greater stability vertically and horizontally. They are made of steel, treated, and then painted with a chemical-resistant blue paint. All Keen ovens are Mercury free.

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 nameplate 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, lift handle and place plunger into loading position by hooking tab located on center rod of plunger onto lip of center tube. To unload, simply lift plunger and remove electrodes. The oven capacity is 15 lbs. of 18" electrodes.

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 nameplate for voltage.) Unit will not heat to capacity without appropriate voltage.

On 240V models, the plug is not supplied due to the many different receptical configurations in the field. When attaching the plug to the power cord, be sure the plug is an approved component and is rated for the proper voltage and amperage. All units meet electrical code requirements when used with a grounding plug and a grounded receptical.

Temperature Setting

The model K-15 is a non-thermostatically controlled oven with a temperature range of 100°-300°F depending on the length of time used and the amount of electrodes stored. The element wattage in this unit is designed so that temperatures will not exceed 300°F.

The model K-15 W/T is a thermostatically controlled oven with a temperature range of 100°-300°F. The thermostat is factory preset at 275°F, but it is field adjustable. To change thermostat setting, see “Corrective Maintenance” section.

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

Model K-15 and K-15 W/T ovens are portable units. They are not designed for long-term storage. The units hold 15lbs. of 18” electrodes and are used for transfer of electrodes from holding ovens to the job site.

Scheduled Maintenance

The manufacturer recommends that the unit be unloaded and cleaned of debris and dust every three months by removing the plunger from center tube and turning unit upside down and tapping gently on bottom. It is recommended to inspect the power supply cord for damage at this time. Replace cord if damaged.

Troubleshooting

The Keen oven models K-15 and K-15 W/T require a minimal amount of electrical knowledge to repair if necessary.

IF OVEN FAILS TO OPERATE – NO HEAT

K-15

1. Check power source.
2. Check power cord continuity. Replace cord assembly if faulty.
3. Check heating element continuity. If no continuity is present, replace element.

K-15 W/T

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. (See “Corrective Maintenance” section.)
5. If thermostat is good, check continuity of element. If continuity is not present, replace element.

IF OVEN OVERHEATS

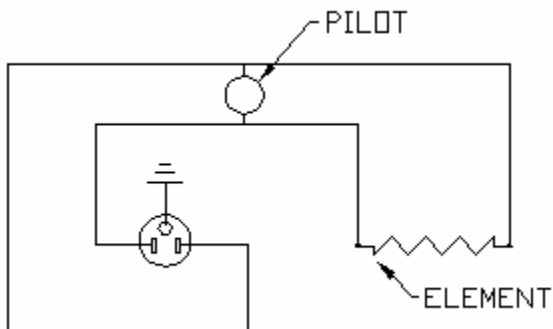
1. If oven overheats, adjust thermostat. (See "Temperature Setting" section.)
2. If thermostat calibration fails to lower temperature, replace thermostat. (See "Corrective Maintenance" section.)

Corrective Maintenance

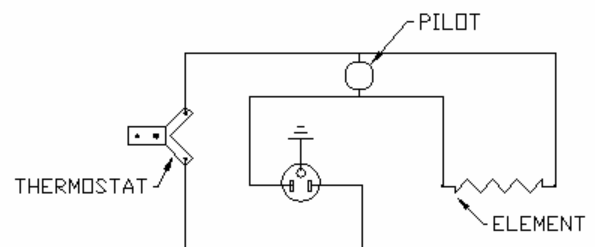
CHANGING ELEMENT FOR K-15 & K-15 W/T

1. Disconnect power source.
2. Remove two screws from bottom of oven.
3. Remove bottom cover.
4. Remove leads from old element and remove element.
5. Install new element and attach leads.
6. Replace insulation and bottom cover.
7. See wiring diagram.

Wiring for K-15



Wiring for K-15 W/T



Keen Ovens

Models K-15 and K-15 W/T

Installation Instructions & Repair Parts List

K-15 SPECIFICATIONS

Electrode Capacity	15lbs. 18" rods
Volts	120V AC/DC
Watts	100W
Temperature	100°F - 300°F
Insulation	1"
Interior Dimensions	3.3" D X 19" H
Net Weight	13lbs.
Shipping Weight	16lbs.
Shipping Dimensions	10.5" X 9" X 22.75"

K-15 W/T SPECIFICATIONS

Electrode Capacity	15lbs. 18" rods
Volts (Specify)	120V or 240V AC/DC
Watts	100W/150W
Thermostat	Factory Present/Field Adjustable
Temperature	Preset 275°F : Range 100°F-300°F
Insulation	1"
Interior Dimensions	3.3" D X 19" H
Net Weight	13lbs.
Shipping Weight	16lbs.
Shipping Dimensions	10.5" X 9" X 22.75"

CHANGING THE THERMOSTAT: MODEL K-15 W/T

1. Disconnect from the power source.
2. Remove two screws from bottom of oven.
3. Remove bottom corner and insulation.
4. Disconnect wires from thermostat.
5. Remove hex nut and lock washer from mounting bolt; remove thermostat.
6. Replace new thermostat in same position.
7. Rewire as in diagram
8. Replace insulation and bottom, making sure wires are insulated from element.

THERMOSTAT CALIBRATION: MODEL K-15 W/T

1. Follow instruction is numbers 1, 2, and 3 above.
2. Thermostat is readily visible in bottom of oven. Use small screwdriver and turn set screw. (Turning set screw clockwise decreases temperature. Turning setscrew counter-clockwise increases temperature. One-fourth [1/4] turn equals approximately 35°F.)
3. Replace insulation and bottom of oven.

Model K-15 & K-15 W/T Repair Parts List

ITEM #	QUANTITY	DESCRIPTION	PART NUMBER
1	1	* Elements 120V	301021
		W/T 120V	301019
		W/T 240V	301020
2	1	Power Cord	301155
3	1	Chest Handle	430103
4	1	Bottom Cover	100103
5	1	Thermostat	301043
		K-15 W/T 120V	301024
		K-15 W/T 240V	301024
6	1	Rod Lifter Assembly	100107
7	1	Strain Relief	301043
8		Neon Pilot Light	301085

* **Note:** 301021 - 240V 400W used in the K-15 Oven produces 100W output.

K-15 & K-15 W/T ACCESSORIES LIST

THERMOMETER

** 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.

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

