

# Lid Spring Replacement Instructions

Controlled Document

## Introduction

This instruction sheet outlines the procedure for replacement of the lid spring for the Mark 1 moisture analyzer.

## Instrument Cover Removal

1. Unplug unit power cord.
2. Remove pan support and breeze shield.
3. Remove paper dispenser from printer.
4. Locate heater and printer cover hinge point near the center of the unit. Depending on instrument version, remove nut from the shoulder bolts or remove cotter pin and printer cover to expose E-Clip. Remove E-clip and pin.
5. Remove printer cover.
6. Position the heater in the upright position. Remove (4) corner screws from heater connector cover marked "Danger-High Voltage".
7. Document order/color of heater wires then disconnect heater wires. Heater can now be removed.
8. Remove (2) grill screws located where the breeze shield and pan support are normally place. Remove grill plate.
9. Remove (2) pan head screws below the grill plate where the case is mounted to the base.
10. Remove (3) pan head screw located behind the heater and printer cover hinges.
11. Remove (3) pan head screws located at the upper rear of the unit.
12. Place unit on its side. Remove long pan head located on the bottom left front side of the unit.
13. Lift case cover gently. Pull heater wires through the case hole. Unplug (2) connectors attached to the case below the keypad. Case cover can is now completely detached. Remove instrument cover.

## Spring Replacement

1. Locate spring mounted on center partition of instrument base. Remove bolt using a 3/32" hex key. Replacement is easier if the hex key is cut short to 1/4" in length to avoid moving the balance.
2. Install new spring and tighten hex head bolt.

## P-Clamp Replacement (if necessary)

1. Locate p-clamp mounted on the L-bracket attached to the left side of the heater hood.
2. Use loctite adhesive when reinstalling new p-clamp. *Note: P-clamp must be positioned towards back of the instrument when installing on lid spring. If the p-clamp is installed backwards, the heater hood will not open completely.*

## Reassemble

1. Reassemble in reverse order of case removal.

If you have any questions, please call Omnimark's Service Dept. at 1-800-835-3211.