

## Label Dispenser Option

The factory installed label dispenser option allows you to print a label with backing (liner/web) being removed from the label as it prints, ready for application. When printing multiple labels, removing the dispensed (peeled) label notifies the printer to print and dispense the next label.

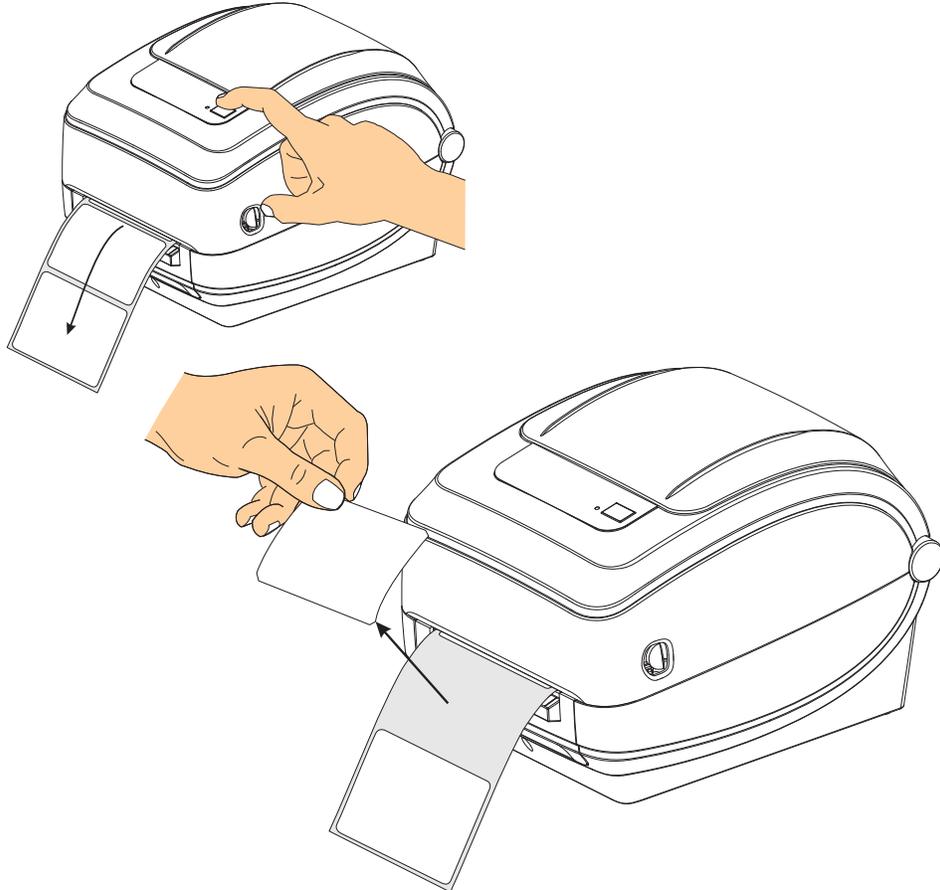
To use dispenser-mode correctly, use your printer driver to activate the label (taken) sensor along with these typical label settings which include but are not limited to length, non-continuous (gap), and web (liner). Otherwise, you must send the ZPL or EPL programming commands to the printer.

**When programming in ZPL**, you can use the following command sequences shown below and refer to your *ZPL Programming Guide* for more information on ZPL programming.

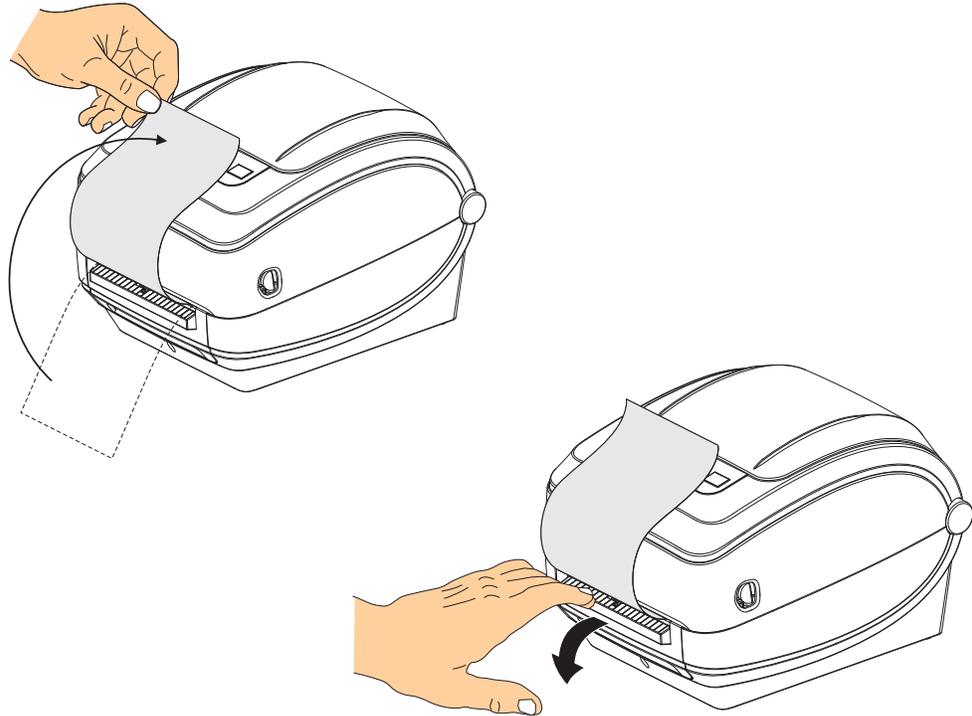
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^XA ^MMP ^XZ  
^XA ^JUS ^XZ
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**When programming in EPL**, send the Options (O) command with the 'P' command parameter (OP) to enable the Label Taken sensor. Other printer option parameters may also be included with the Options command string. Refer to your *EPL Programmer's Guide* for more information on programming with EPL and the Options (O) command behaviors.

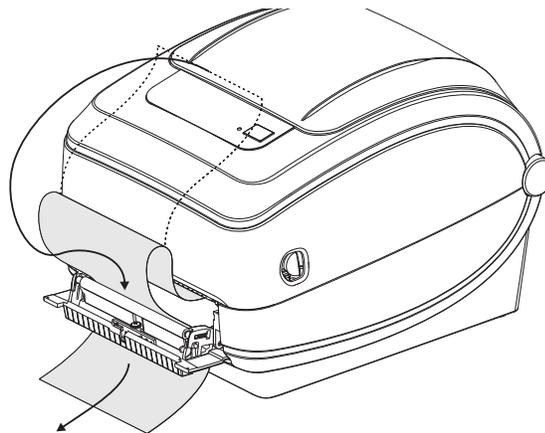
1. Load your labels into the printer. Close the printer and press the Feed button until a minimum of 4 inches or 100 millimeters of exposed labels exit the printer. Remove the exposed labels from the liner.



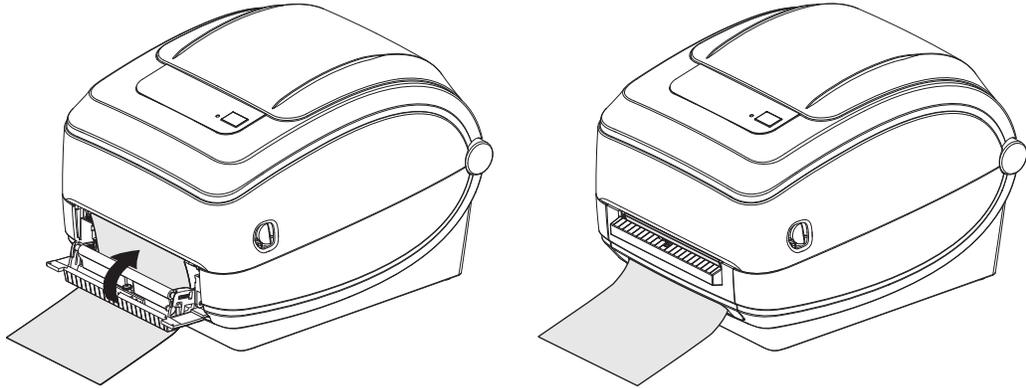
2. Lift the liner over the top of the printer and open the dispenser door.



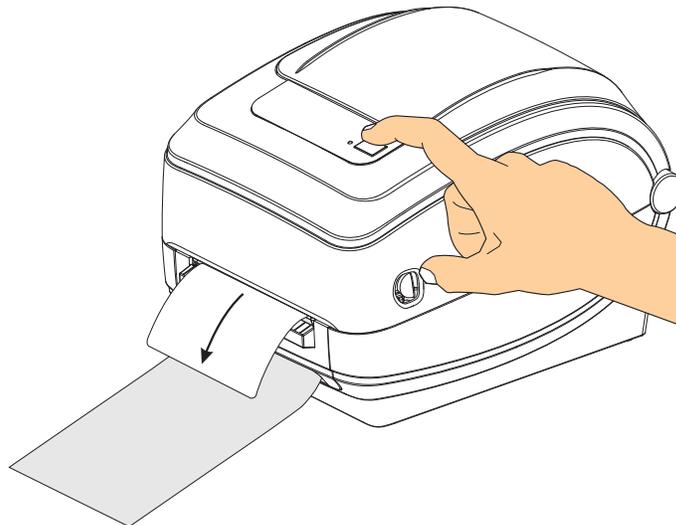
3. Insert the label liner between the dispenser door and the printer body.



4. Close the dispenser door.



5. Press the Feed button to advance the media.



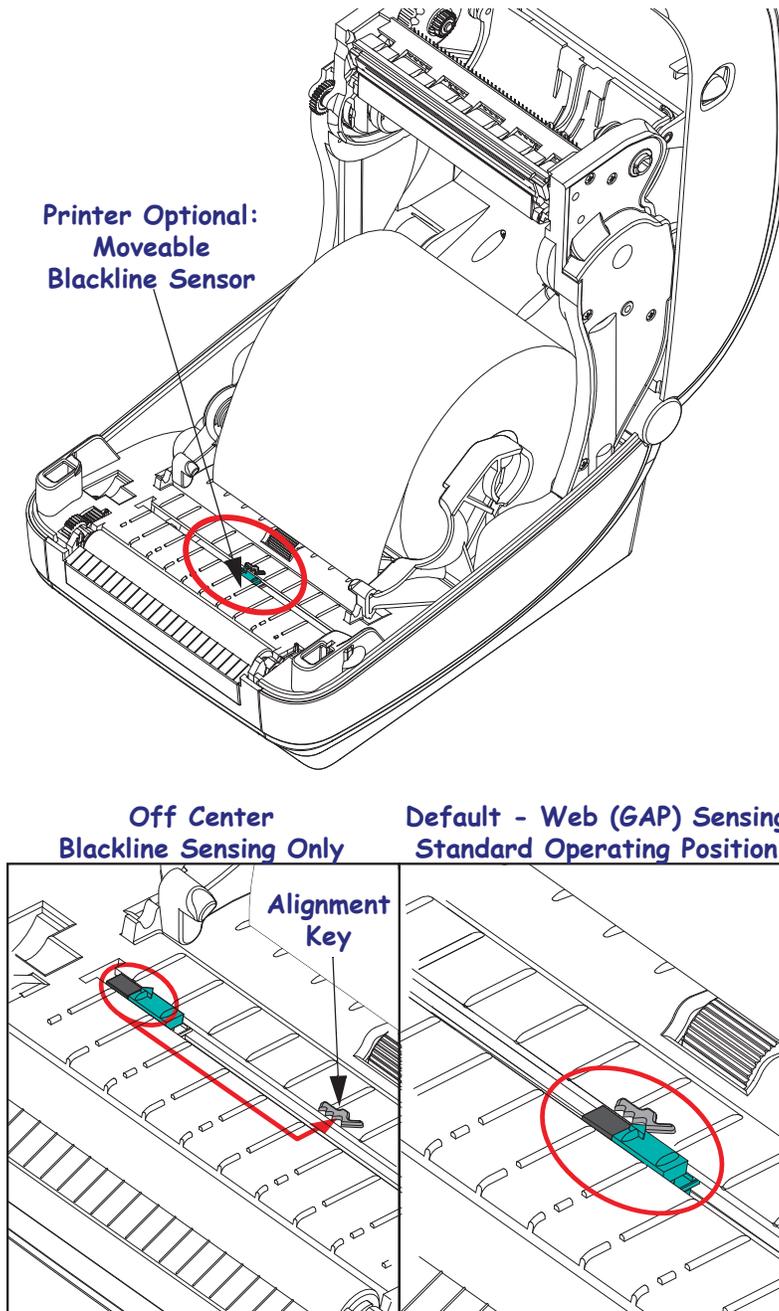
6. During the print job, the printer will peel off the backing and present a single label. Take the label from the printer to allow the printer to print the next label. Note: If you did not activate the label taken sensor to detect the removal of the dispensed (peeled) label with software commands, the printer will stack and eject peeled labels.

## Moveable Blackline Sensor Option

The factory installed moveable blackline sensor option allows the printer to use media with black marks or notches (holes) on the back side of the media (or media liner) that are not located in the center of the media.

The moveable sensor's second functional feature is adjustable transmissive web (gap) sensing to positions that match legacy Zebra® desktop printer sensor locations and in between. This provides for use of some non standard media variations or irregularly shaped media.

The moveable blackline sensor can not properly sense continuous media or labels (for inter-label gap sensing) if the sensor is not in the default sensing area for web (gap) sensing. See [Adjusting the Moveable Sensor for Web \(Gap\) Sensing on page 58](#)



## Adjusting the Moveable Sensor for Black Marks or Notches

The blackline sensor looks for non-reflective surfaces such as black marks, black lines, notches or holes in the media which do not reflect the sensor's beam back to the sensor's detector. The sensor and its black mark detector are next to each other under the sensor cover (dark plastic cover translucent to the sensor's non-visible light).

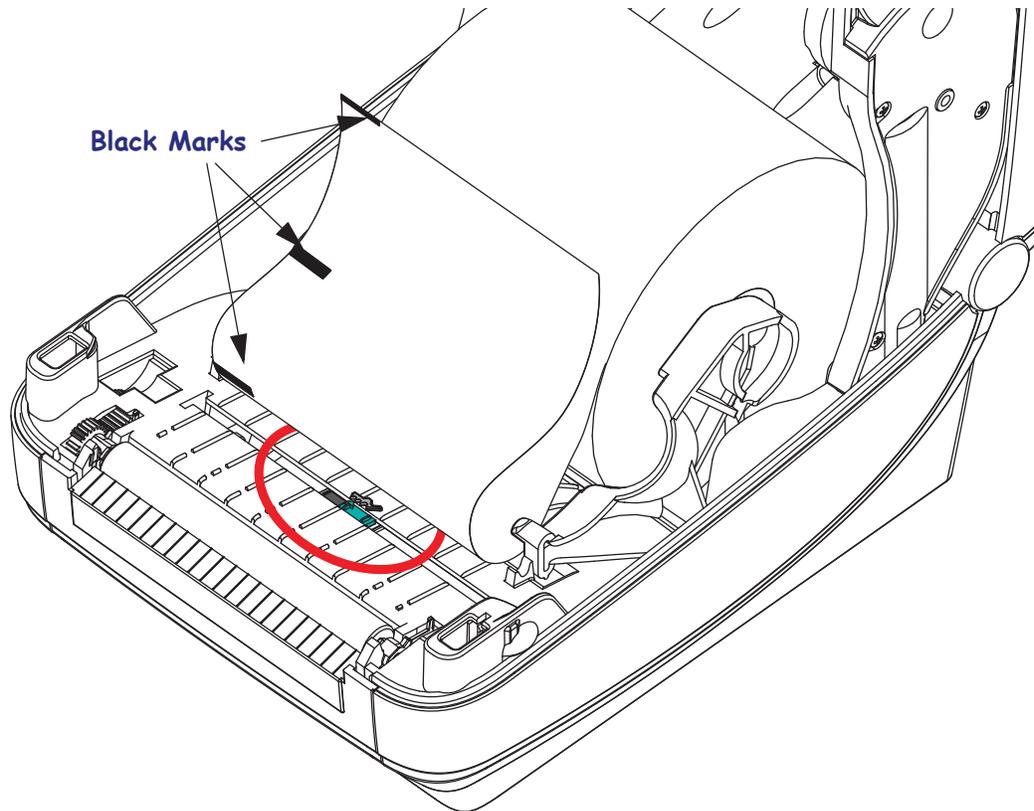
The sensor can be adjusted by two methods:

- 1) Preferred - Aligning the movable sensor's alignment arrow to the right side of a black mark or notch located in the center or left side of the printer, or
- 2) Align the center of the sensor cover under the oval notch or a right hand black mark (or notch).

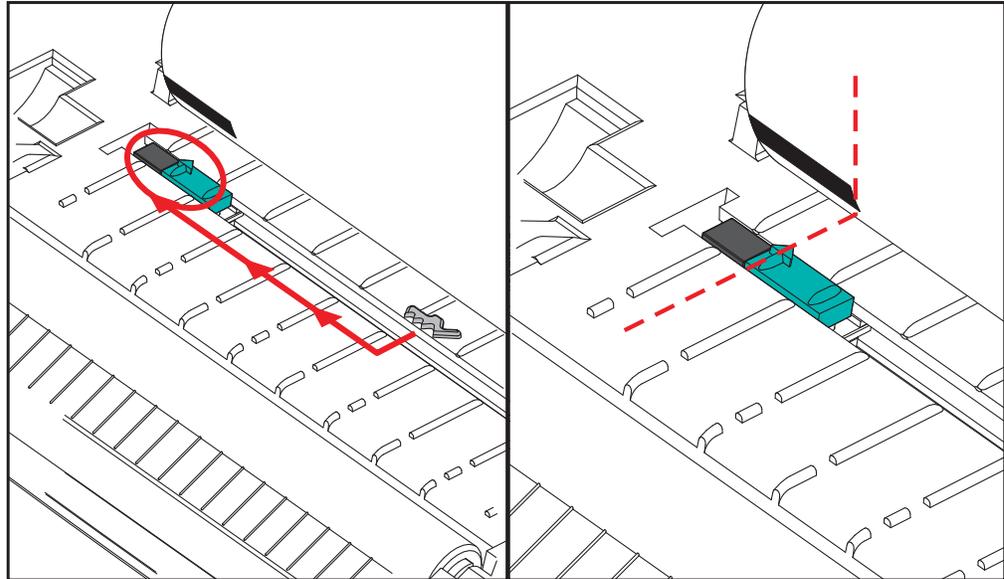
The sensor should be set as far as possible from the edge of media. The media can move from side to side and notches cut into the side of the media can become damaged.

Load the media. Before closing the printer, adjust the moveable blackline sensor as follows:

1. Flip the media back over the roll to expose the black marks or notches on the backside (non printing side) of the media.

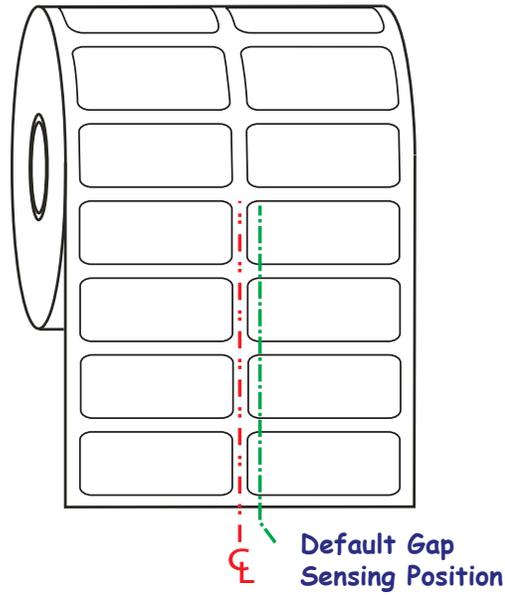


2. Slide the moveable sensor from the center default position to align with the black marks. The arrow on the moveable sensor should line up with the right edge of the black mark. This is true for marks or notches located on either side of the media (left side shown).

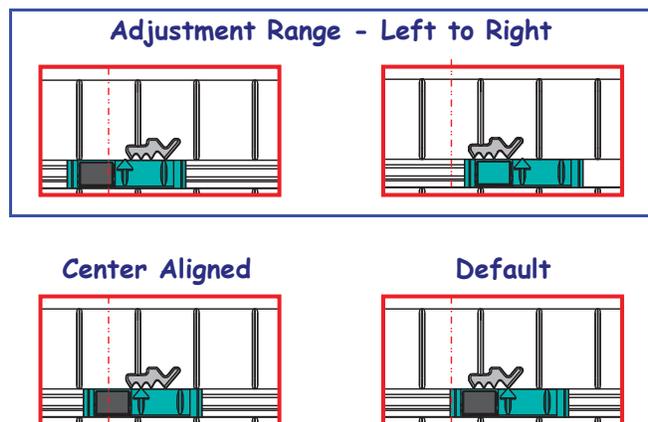


## Adjusting the Moveable Sensor for Web (Gap) Sensing

The moveable sensor supports the web/gap positions used by the legacy Zebra® desktop printer models and for some non standard media configurations. The G-Series™ printer's web (gap) sensing in the standard (fixed position) or the moveable sensor's default position are offset from the center of the printer to allow for gap sensing of labels that are side by side on a roll - see below.



Web (Gap) sensing with the movable sensor can only function when the sensor's alignment arrow points to any position on the alignment key. The sensor must be aligned with the labels (or other media) to sense the gap between the labels. The example above shows where the sensor is set if center aligned positioning is used. It will miss sensing labels with a 2-up label configuration and with the sensor in the 'default' position, it will be able to detect labels and the gaps between them.



- Default — Zebra Models: G-Series™ fixed position sensors, LP/TLP 2842™, LP/TLP 2844™, LP/TLP 2042™
- Center Aligned — Zebra Model: LP/TLP 2742™