Media Sensor Position & Calibration Guide
Applies to: Toshiba TEC B-SX4 and B-SX5; Century Eagle 4

STEP 1: LOCATE THE MEDIA SENSOR

The media sensor allows the printer to find the end of one label or tag and the beginning of the next one. It is very important to place the sensor in the correct position for proper printing. Whenever you change the type of material you wish to print, you will need to adjust the sensor position.

Your printer has TWO types of sensors: REFLECTIVE and TRANSMISSIVE

REFLECTIVE SENSOR

TRANSMISSIVE SENSOR

IMPORTANT: The small black NUB next to each symbol is the guide you use to align your sensor.
**STEP 3: PLACE THE CORRECT SENSOR IN THE CORRECT POSITION**

Use the chart below to determine which type of sensor you need to use.

<table>
<thead>
<tr>
<th>REFLECTIVE SENSOR</th>
<th>TRANSMISSIVE SENSOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use for nursery potstakes, treetags...</td>
<td>Use for standard labels.</td>
</tr>
<tr>
<td>and for media that uses a “black mark.”</td>
<td></td>
</tr>
</tbody>
</table>

Loosen the GREEN thumbscrew

**Standard Labels**

Slide the sensor bar until the TRANSMISSIVE SENSOR is anywhere over the body of the label.
If your labels are TWO ACROSS make sure the TRANSMISSIVE SENSOR is over the BODY of one of the labels and NOT over the liner between labels.

**CORRECT**

**INCORRECT**

**Nursery Potstakes and Tags**

Slide the sensor bar until the REFLECTIVE SENSOR is over the gap as shown below.

Tighten the GREEN thumbscrew
**STEP 4: CALIBRATE THE SENSOR**

**NOTE: This step is not always required.**
You only need to calibrate the sensor if you are receiving consistent NO PAPER or PAPER JAM errors, which you cannot resolve by following the first three steps in this guide.

**To calibrate the sensor**

Turn off the printer.

Hold down both the FEED and PAUSE buttons and restart the printer. Continue to hold down both buttons until you see the DIAG. screen.

Press the FEED button repeatedly until you see the SENSOR ADJ. screen.

Press the PAUSE button repeatedly until you see either the [REFLECT] or [TRANS.] screen. Select the calibration screen that matches the media you will be printing.
Select the [REFLECT] screen to calibrate the REFLECTIVE sensor.

Select the [TRANS.] screen to calibrate the TRANSMISSIVE sensor.

Position any solid area of the potstake or tag under the sensor. Be careful not to place any of the gap areas under the sensor.

Remove several labels from the roll to expose a large area of liner. Position this liner area under the sensor.

Press and hold down the RESTART button until you see an ASTERISK next to the voltage value.

NOTE: The actual voltage values in these photos will be different on your printer.
Press the PAUSE button repeatedly until you see the [PE] screen (paper empty).

Remove all media from underneath the sensor.
Press and hold down the RESTART button until you see an ASTERISK next to the voltage value.

Press the PAUSE button repeatedly until you see the main SENSOR ADJ. screen.

IMPORTANT: If you do not select the main SENSOR ADJ. screen BEFORE powering down the printer, the calibration values will NOT be saved.

Calibration is complete. Turn the printer off, wait a few seconds, and then turn it back on.