

# SERVICE BULLETIN

**Subject: Computer Lane Monitor New Procedure Notification**

Date: 6/6/02

**Distribution: All ABC/WIBC Local Organizations**

Letter No. CEB02-3

## **New "Zero Tape" Procedure**

For maximum accuracy, it is recommended that you use the "Manual" Read Tape option to monitor the tape value as you advance the tape and assure that the Zero Tape Reading is taken on a stable part of the tape header that has not been contaminated with oil. Insert your tape sample into the Lane Monitor until it just engages into the drive rollers. Use the Advance Tape .21" button to move the tape to the first marked line (at 3.5", as per the manual) while noting the **lowest repeatable Tape Value** that is displayed after each advancement. Use the Reverse Tape .21" button to reposition the tape over the lowest repeatable Tape Value and then click on the Take Zero Tape Reading button. You can now advance the tape to the second marked line (at 5.5") and click on the Start Reading Tape button. This procedure is much more accurate than depending on first marked line at 3.5" or the Automatic Read Tape option to position the tape for the Zero Tape reading. Negative lane oil readings are most commonly caused when the Zero Tape Reading is taken too close to the lane edge marker or a section of the tape sample which contains oil.

## **UV Source Tube Replacement**

As the UV source tube ages, the Empty Tape Slot reading will decrease and become less stable. You may notice that it takes longer to pass the warm-up check and that the unit does not maintain its calibration as long. The age of the source tube will also effect the Calculated Calibration Value. You should monitor both the Empty Tape Slot reading and the Calculated Calibration value during the calibration process. When the Empty Tape Slot reading drops below 15 and the Calculated Calibration Value increases above 1.5, it is time to replace the UV source tube, Brunswick part number 61-100061-000. New replacement UV source tubes now require 96 hours of "burn-in" time. Previously, the burn-in period was 48 hours, but this has changed due to manufacturing environmental regulations. New UV source tubes will rattle, which is caused by a special pellet that is injected into the source tube and will evaporate during the burn-in period. **DO NOT** use GE brand UV source tube replacements.

## **Calibration Strips**

The Standard calibration option must be used the first time that the Computer Lane Monitor software is loaded into your computer. After that, it is recommended that you routinely use the Short calibration option, since the software program will automatically prompt you when it is necessary to run the Standard calibration. You should record the first use date on one of the three calibration strips and use this same strip for Short calibration for the first four months. The second strip should be used with the Short calibration for the next four months with the third strip being used for the last four months of the year. The four month suggested life for each calibration strip is based on normal (daily) use of the same strip.

## **Other Operating Suggestions**

The best accuracy is obtained when the tape samples are read immediately after the reader is calibrated. For this reason, it is recommended to repeat the Short calibration every hour while reading tape samples.

Another tip is to use the Optical Reader without the stand while calibrating and reading tapes. This reduces most bright ambient light from entering the "Tape In" slot which may cause errors in accuracy.

## Contact Information

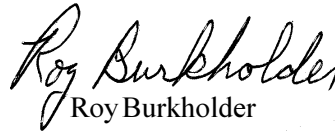
If you have questions regarding this bulletin, or need any lane equipment information, please contact the Brunswick TechTeam at 1-800-323-8141 (select option #1, then option #3) or internationally at 1-231-725-4966. Our E-mail address is [TechTeam@brunbowl.com](mailto:TechTeam@brunbowl.com)

If you are not completely satisfied with the technical support you receive from Brunswick, please contact:

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