DSTR FIELD SERVICE BULLETIN 02/27/04

It has been found that, in a few cases, film error rates become rather high as a result of very low film tension at the entrance to the DSTR.

SOLUTION: Increase the film tension within the closed loop.

Method:
Remove film from the DSTR.
Remove the rear cover from the DSTR.
Remove flywheel from the drum shaft.
Referring to figure 1, tie upper film idler downward firmly with either a string or rubber bands, as shown.

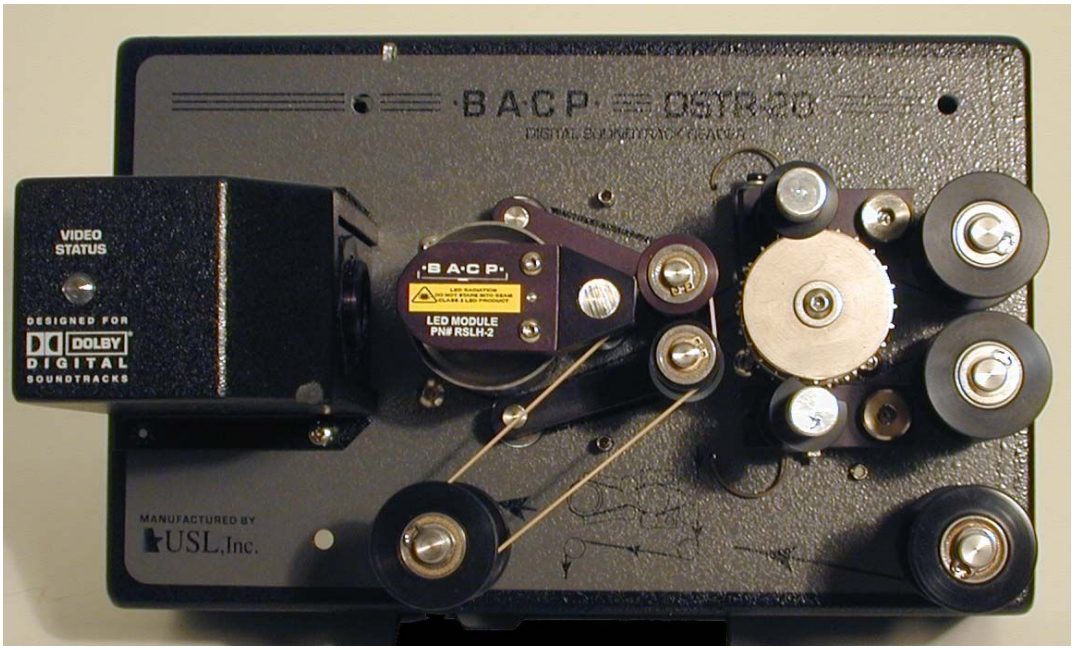

Figure 1

Reffering to figure two, draw a pencil line along the edge of the idler arm as shown.

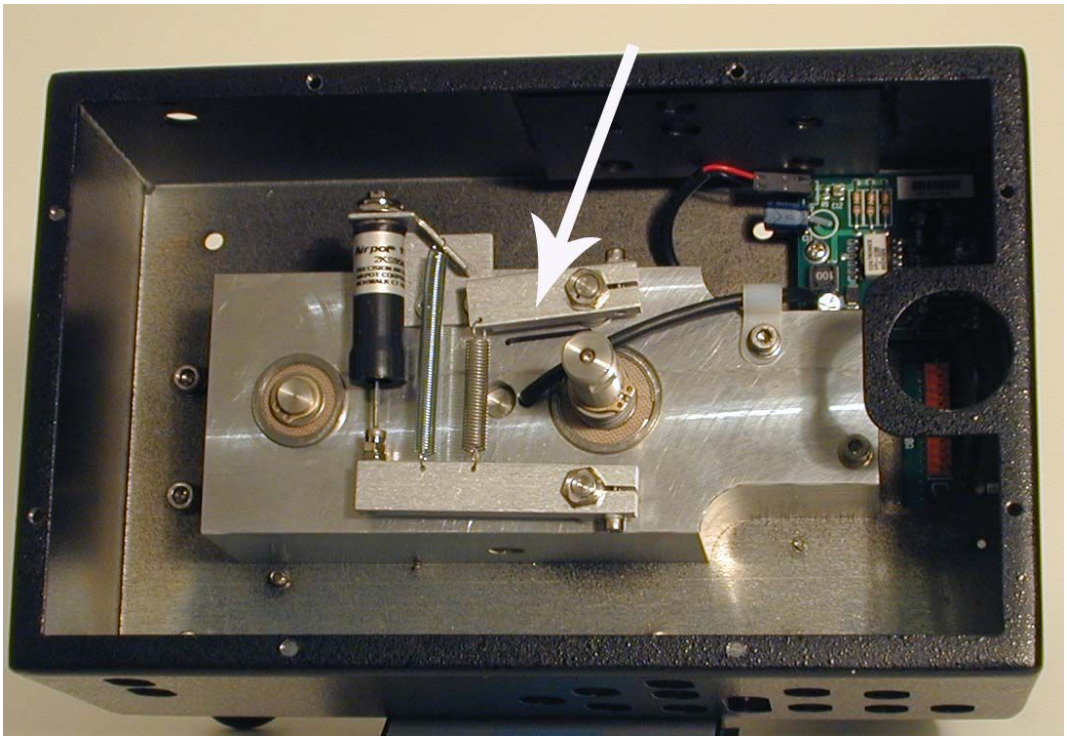

Figure 2

Refer to figure three.
Loosen indicated locking screw with a 2.5mm Allen Wrench.
Rotate idler arm clockwise and hold it at a position so that there is approximately 1/8th of an inch of space between the pencil mark and the arm.

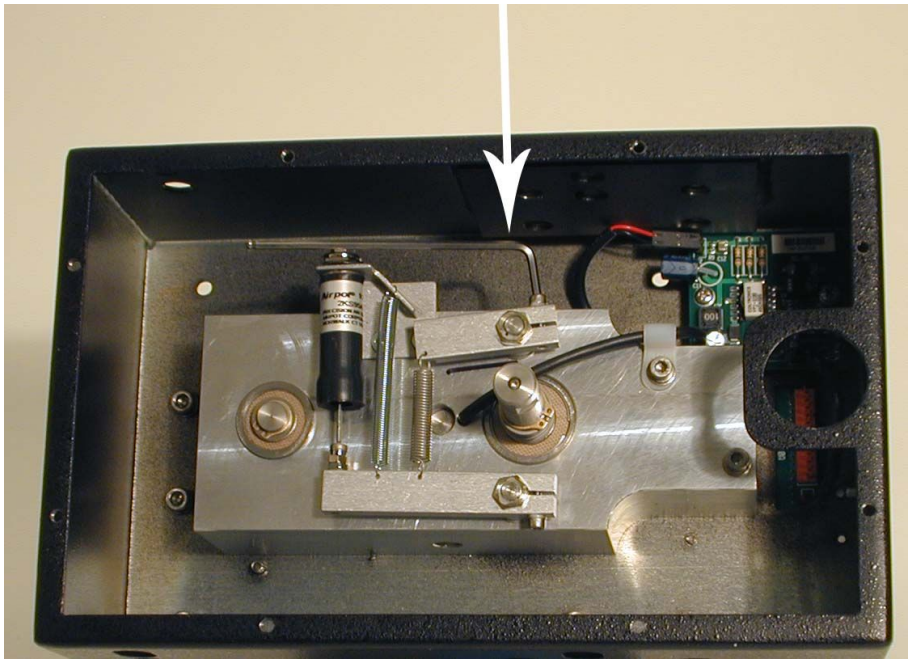

Figure 3

Refer to figure four
Tighten the locking screw.
The film loop tension has now been increased by approximately 10%.
Replace the flywheel and be careful to place the tip of the set-screw into the notch in the drum shaft.
Replace the rear cover.
The error rate now should be nearly independent of incoming film tension.

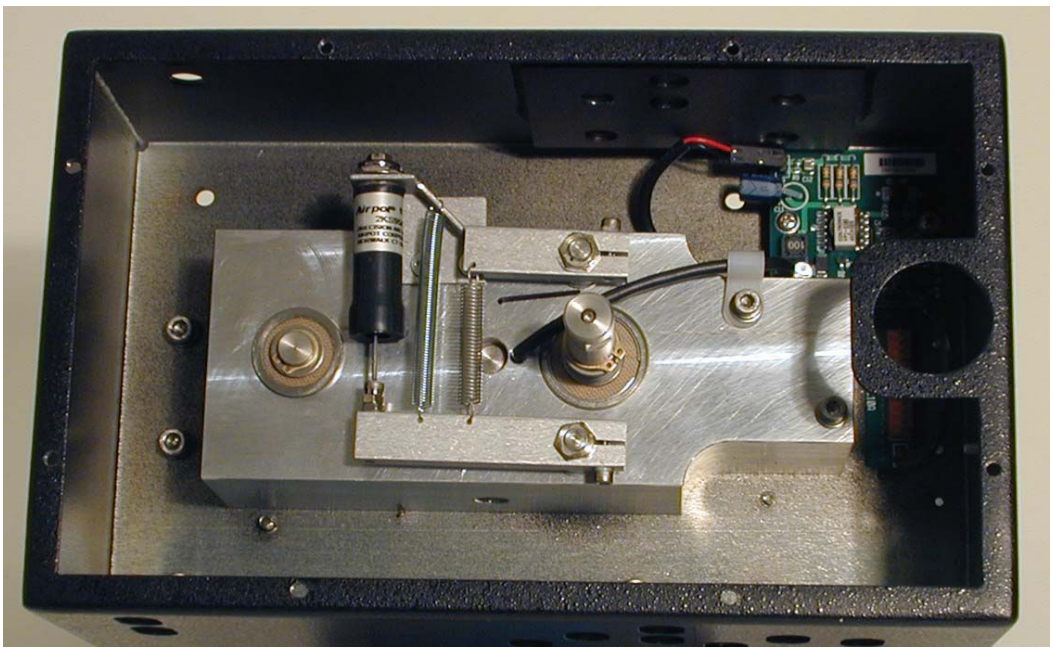

Figure 4

NOTE: Excessive tension within the loop will result in clicking or buzzing as the film enters the loop at the sprocket.

USL, Inc. 181 Bonetti Dr. San Luis Obispo Ca. 93401 tel 805-549-0161 fax 805-549-0163 email usl@uslinc.com