

5.14 Slack Loop Test Procedure

NOTE: The slack loop test works only for thin media (4 mil and under). It is disabled for thick media (over 4 mil).

The slack loop test is used to determine the adjustment setting of the slack loop flag as well as the speed of the bridge and take-up motors, based on the number of times the slack loop is formed during a feed of a given length. The test is performed as follows:

1. The slack loop test function is located on the Secret Screen of the Avantra Control Panel. Press the proper key sequence on the "Configuration" Screen to enter this special screen. Refer to Figure 5-6.

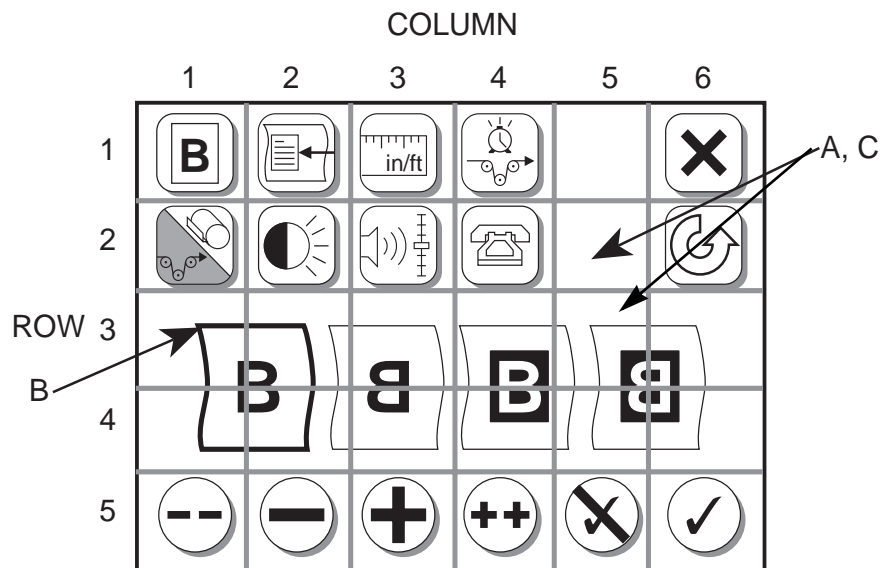






Figure 5-6 The Secret Screen.

- | | | |
|---------------------------|----|---------------------------|
| A) Press button 5,2 first | or | A) Press button 5,3 first |
| B) Press button 1,3 twice | | B) Press button 1,3 twice |
| C) Press button 5,2 again | | C) Press button 5,3 again |

NOTE: If there is an icon in location 5,2, use location 5,3.

2. Locate the key marked "Slack Loop Off" on the Secret Screen. Pressing this key will toggle the slack loop test function on and off. After enabling the slack loop test, exit the screen. Refer to Figure 5-7.

	1	2	3	4	5	6
1	Look	Fix	Save		Errors are On	
2	Cass 1 Cass 1 Cass 1	P 0 = P 1 = P 2 =	00000000h 00000000h 00000000h		Feed is On	
3	Cass 1 Cass 1 Cass 1	P 3 = P 4 = P 5 =	00000000h 00000000h 00000000h		Buffer On/not in use	Slack Loop On
4	Cass 1 Cass 1 Cass 1	P 6 = P 7 = P 8 =	00000000h 00000000h 00000000h		Proc On/not in use	OCP DEC Off
5						

- A) Press button 6, 3 to toggle
Test ON/Off first
B) Press button 6, 1 to Exit

Figure 5-7 Exiting the Secret Screen.

- On the "User Defaults" screen, set the user feed length to 44".
- Go to the "Utility" screen and execute a "User Feed". The number of loops appears in the lower right of the "User Feed" icon in the center of the screen. When the feed is complete the number gets updated. This number represents the number of slack loops completely formed (i.e. slack loop formed and unformed).
- The number of slack loops formed for a 44" feed should be at least 11. Perform several "User Feeds" to determine an average number of loops formed. If the number is less than four, go to Step 6. If there are only four to ten slack loops, the bridge speed parameters should be adjusted. Perform the following steps:
 - Using AVDIAG, download the "DEC Machine Parameters". Select "Image/Focus/Bridge" and locate the Bridge parameters.
 - Adjust the following parameters up or down accordingly, by steps of approximately 50.

Ubr Fast Sp Thin - 4500 (nominal)
Ubr Slow Sp Thin - 6500 (nominal)

NOTE: Raising the number decreases the speed. Lowering the number increases the speed.