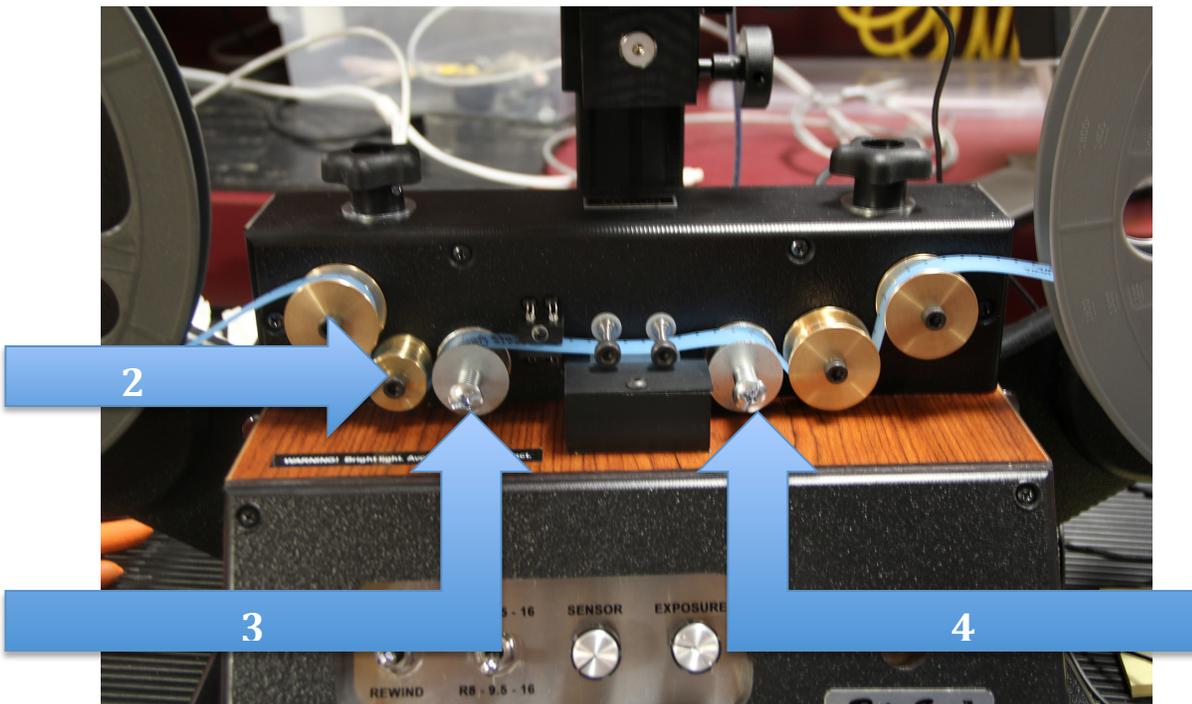


Threading Procedures for Retro Scan Film transfer system



Left-reel is the supply side and Right-reel is the take-up reel.
Depending supply reel size determines the threading procedure. The film leaves the reel on the bottom with the sprocket holes away from you.

- a. If it is a **large** reels go over the first spool and under the second spool (as pictured above)
- b. If it is a **small** reel go under the first two spools.



1. Thread over the third reel.
2. Thread through the LED sensors used the count sprocket holes and trip the camera to take a picture.
1. Continue to thread the film under the two posts over the light to the fourth reel.
2. Thread the film over the fourth reel, under the fifth reel and over the sixth reel.

Note: Spools 2, 3, 4 (pictured with arrows) do not rotate and do not adjust them! Spools 1, 5, 6 should rotate freely.

3. 16mm film spools should have two washer placed under the reels on both supply and take-up reels to ensure proper alignment.
4. The take-up wing nut should be very tight because the tension is needed to pull the film through the apparatus.
5. Get you retro scan program ready to ingest the video from the retro-scan camera before doing anything more on the projector. (See Retro Scan Program Procedure)
6. Switch the size switch to regular 16mm.
7. Flip the toggle switch to the forward position. The film light should light and film should pull forward. It captures at 17 fps. Don't worry your film will be transferred in the right frame.
8. If hear the motor running and the film does not move the wing nut (on the take up reel) is not tight enough, tighten it and try again.
9. Look at the computer screen to see if transfer is proceeding correctly if not adjust sensor for camera triggering and camera position is to correct camera framing.

Note: Never rewind film on this machine; it has a design flaw that will burn out the rewind motor in seconds.