

# Film ID

# Flasher System

Model 531

## Addendum for Users of FujiFilm and AGFA Film Cassettes

February 2008  
Version 1.01

**Important:** Failure to correctly follow the set-up procedure described in this document might lead to damage to FujiFilm and AGFA film cassettes. LPI is not responsible for damage which may occur if this procedure is not performed or is performed incorrectly.



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The Livingston Products Inc. 531 Film ID is **set up at the factory for Kodak and Sterling film cassettes**. If the customer uses **FujiFilm or AGFA cassettes**, the following one time set-up procedure must be performed by a trained, qualified technician. **FujiFilm and AGFA Cassettes can be damaged** if the 531 Film ID is used without correctly performing the appropriate set-up procedure.

### **Tools You Will Need**

The following tools are needed to perform the set-up procedure:

- Phillips head screwdriver;
- 7/64 Allen wrench;
- 1/16 Allen wrench with right angle bend;
- 5/64 Allen wrench with right angle bend (FujiFilm only);

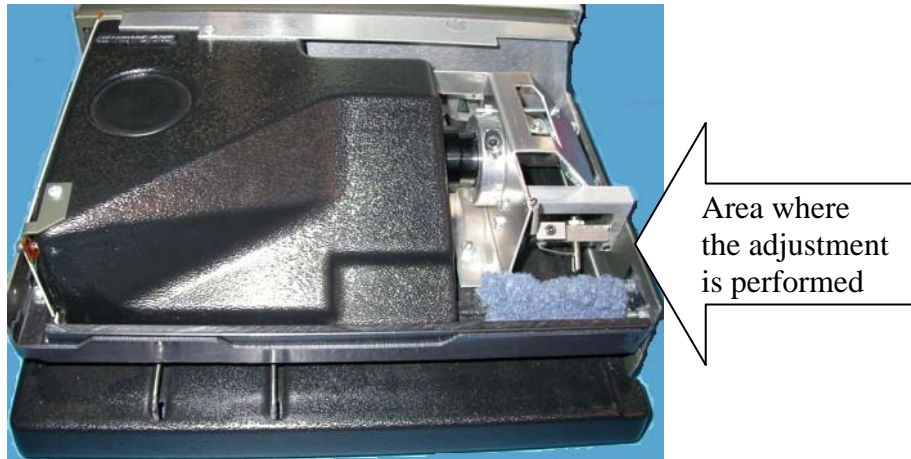
**WARNING:** The 531 unit contains electronics which can be damaged by static electricity discharged from the technician into the unit. **ESD protection must be observed during the procedure.**

The technician should wear a grounding strap during the procedure. If this is not possible, the technician should discharge static by touching a grounded metal surface which is **not** a part of the 531 unit. **The technician should not touch any part of the 531 unit to discharge static.**

### **Common Initial Set-up Procedure**

For FujiFilm and AGFA cassettes, perform the steps described below. Then continue with the steps which are described for the cassette type which is being used.

You will be working in the area shown in the following picture (the 531 unit with its cover removed).



**Figure 1-COM**

Procedure to perform:

1. Turn OFF the 531 Film ID unit.
2. Unplug the power adapter power cord at the rear of the 531 unit (15VDC connector).
3. Remove the cover by doing the following:

Remove two Phillips head screws from the lower left side of the cover;

Remove two Phillips head screws from the lower right side of the cover; Save these screws for the cover replacement later in the procedure.

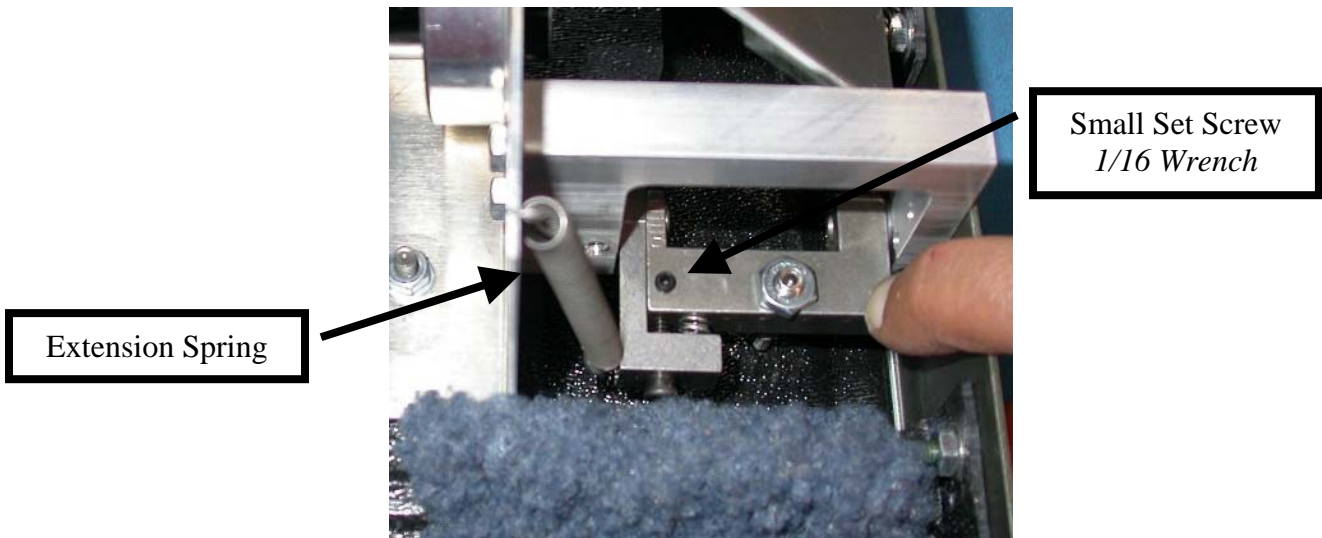
Using both hands at the back edge of the cover, grasp the cover on the left and right sides and pull forward without raising until the indented edge clears the back plate of the 531 unit. Then raise the cover a few inches and remove by pulling forward. This will expose the area where the adjustment is performed, as shown in Figure 1-COM.

4. Proceed to the FujiFilm Set-up procedure or the AGFA Set-up procedure, depending on the type of cassettes being used with the 531 unit.

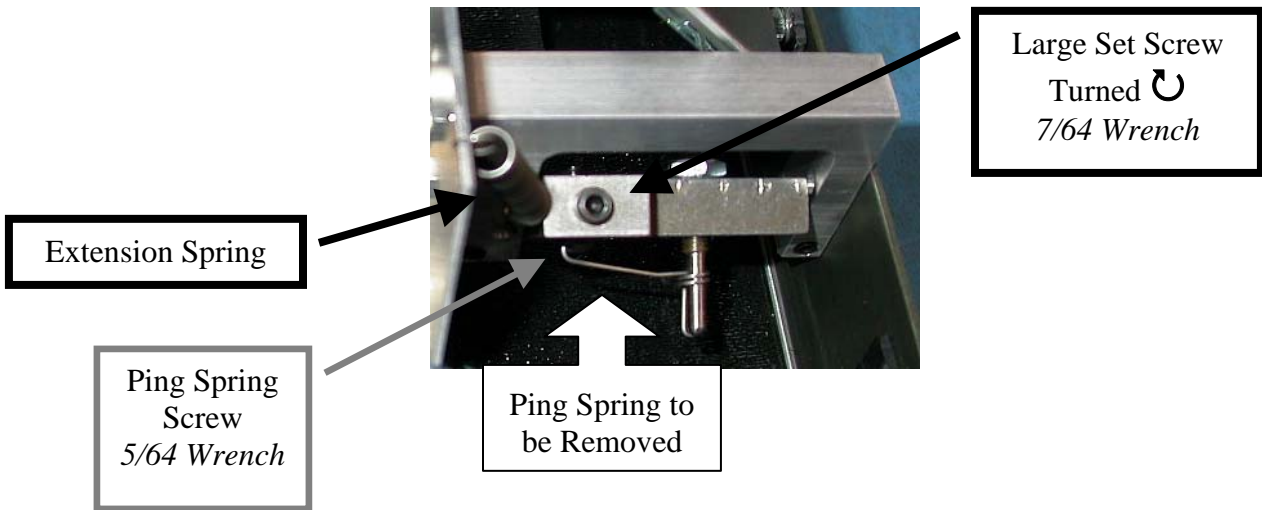
## **FujiFilm Cassette Set-up Procedure**

The rocker arm is located at the right of the 531 unit when faced from the front. This procedure removes the ping spring from the arm and adjusts the position of the cassette window pin. Use the pictures shown below to help identify the parts and the work positions.

**Figure 1F**  
**Rocker Arm in the DOWN position**



**Figure 2F**  
**Rocker Arm in the UP position**

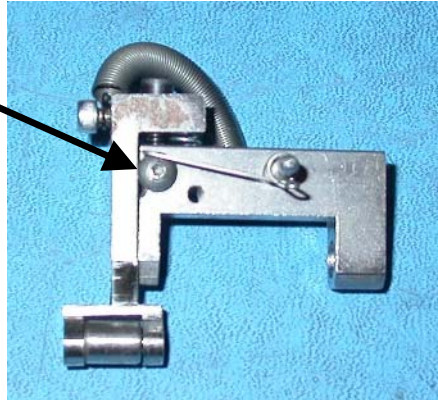


1. Hold the rocker arm in the up position with the thumb of one hand. The Extension Spring holds it, but you can push it slightly further with your hand.

With the other hand, use the short end of the Allen wrench to remove the screw which holds the ping spring onto the rocker arm. See Figure 2F.

*You will not be able to use a longer tool in this step because the mounting mechanism interferes with reaching the screw – it is pointing at a slightly downward angle.*

**Ping Screen Screw**  
*Shown from the bottom of a rocker arm which has been removed only to illustrate the screw position. The arm is not removed during the adjustment procedure.*



**Figure 3F**

The above picture shows how the ping spring screw attaches the spring to the rocker arm. This view is from the bottom of the rocker arm. The up position pictures do not show this clearly due to the angle.

2. Remove the ping spring from the rocker arm. Do not replace the screw which was removed in the prior step. See Figure 2F and Figure 3F.
3. Save the ping spring and screw in case the 531 unit must be adjusted in the future for a different cassette type.
4. Lower the rocker arm to the down position. The larger Extension Spring is now stretched out, so you must hold it in this position.
5. Loosen (⤴) the small set screw at the top left edge of the rocker arm (approximately 1 full turn). It should be made loose, but not removed completely. See Figure 1F.
6. Hold the rocker arm in the up position with the thumb of one hand. The large set screw next to the Extension Spring is now facing you.

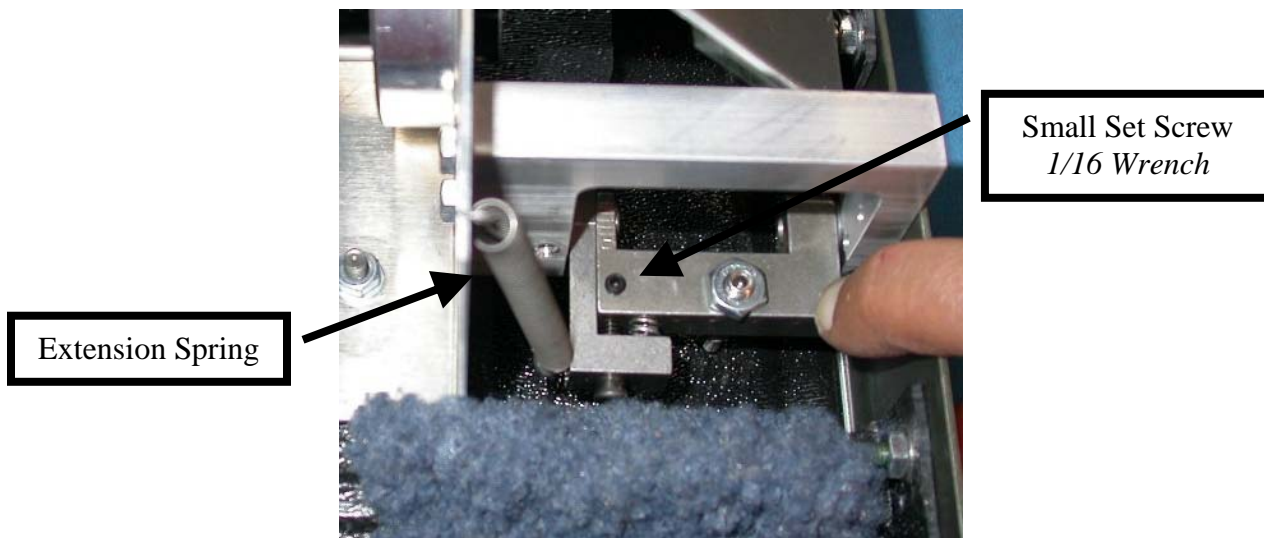
Turn the large set screw in a clockwise direction (⤵) until it will not turn any more. *Do not over tighten this screw.* See Figure 2F.

7. Lower the rocker arm to the down position. The larger Extension Spring is now stretched out, so you must hold it in this position.
8. Tighten (⤵) the small set screw at the left edge of the rocker arm. See Figure 1F.
9. Perform the **Common Final Set-up Procedure** near the end of this document.

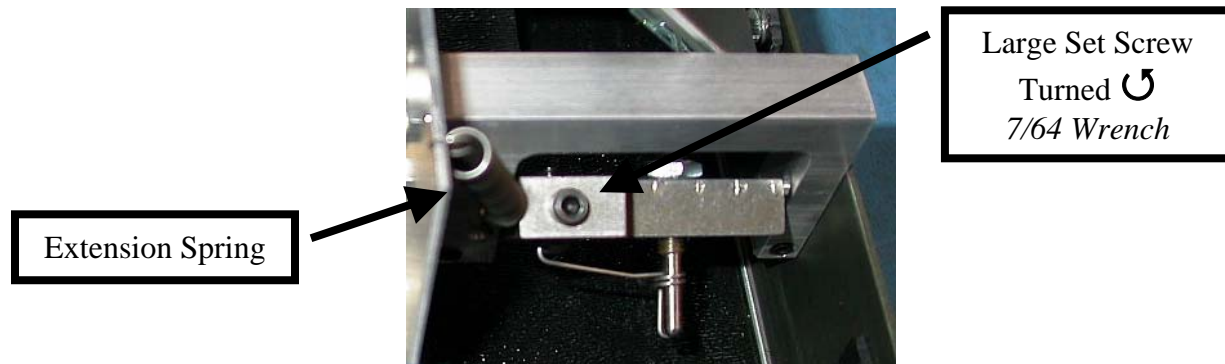
## AGFA Cassette Set-up Procedure

The rocker arm is located at the right of the 531 unit when faced from the front. This procedure adjusts the position of the cassette window pin. Use the pictures shown below to help identify the parts and the work positions.

**Figure 1A**  
**Rocker Arm in the DOWN position**



**Figure 2A**  
**Rocker Arm in the UP position**



Perform this procedure:

1. Lower the rocker arm to the down position. The larger Extension Spring is now stretched out, so you must hold it in this position.
2. Loosen (⤵) the small set screw at the left edge of the rocker arm. It should be loose, but not removed completely (approximately 1 full turn). See Figure 1A.
3. Hold the rocker arm in the up position with the thumb of one hand.

With the other hand, turn the large set screw in a **counter clockwise direction** (⤴) for about two full turns. This makes the gap wider in the rocker arm assembly. See Figure 2A.

4. Lower the rocker arm toward the bottom of the case. The larger Extension Spring is now stretched out, so you must hold it in this position.
5. Tighten (⤵) the small set screw at the left edge of the rocker arm. See Figure 1A.
6. Perform the **Common Final Set-up Procedure** near the end of this document.

### **Common Final Set-up Procedure**

Perform these steps after you are done with the steps that are described for one specific cassette type. They are performed for all cassette types.

1. Test the alignment by sliding a cassette (*without blank film*) slowly into the 531 unit. If it does not fit properly or correctly open the cassette window, repeat the adjustment steps you performed earlier for your cassette type.

*You may need to turn the large set screw a little less or a little more than described above to obtain smooth operation.*

2. Place the 531 unit cover over the top of the 531 unit, with the cover's beveled edge slightly in front of the 531 unit's back plate. Push down.

Hold the 531 unit from the back plate with one hand and push the cover toward the back plate with the other hand. The cover's beveled edge should slide into the back plate until the beveled edge is no longer visible.

3. Insert the cover screws into the right rear and left front cover holes and tighten with the Phillips head screwdriver.

Insert the cover screws into the left rear and right front cover holes and tighten with the

Phillips head screwdriver.

4. Reattach the power adapter cable.

You are now finished with the 531 unit physical set-up for these cassette types.

If you have problems performing this procedure, contact Technical Support at Livingston Products Inc. Do not attempt to use these cassette types if the set-up described in this document is not performed.