



## **Elmo 16 – CL or KODAK CT1000**

### **Basic maintenance**

- 1 – Clean gate and pressure pad after each reel, or at least each show
- 2 – Use small brush or swab to clean under sound optics
- 3 – Take off lower sound control cover plate and clean out debris.
- 4 – Take off back cover and clean out dust and debris
- 5 – Check fuses – most notorious one to blow is the amplifier fuse which also controls rewind motor.
- 6 – Keep rollers clean, and regularly check for rubber deterioration
- 7 – Check for dried lubrication inside reel arms, if not already change take up to the sturdier notched belt system.
- 8 – Make sure slot-in roller turns freely

### **Film scratching**

Usual cause would be the slot in roller is stuck in place and not turning which will scratch the film.

### **Changing the rubber rollers**

The most notorious parts of the Elmo 16-CL are the rubber rollers. Thankfully due to the popularity of the projector a number of places offer replacements such as

Larry Urbanski at [urbanskifilm.com](http://urbanskifilm.com)  
Richard C Patchett at [rcsclassic16mm.com](http://rcsclassic16mm.com)

The best thing to do when acquiring a new Elmo is to touch all of the rollers and make sure none of the rubber comes off in your hand or leaves an indentation from where you touched it. If it does they need replacing, otherwise the rubber can get all over the machine and any films you run through it, and then the cleaning is a much more difficult procedure.



- 1 – Remove face plate and sound knobs depending on model.
- 2 – Change Brake roller by removing small nut and washer
- 3 – Change spring Brake roller by popping off the E-Ring
- 4 – To reach the next 2 pad rollers you need to make sure that the entire face plate has been removed.
- 5 – First remove the E-ring that holds the two shafts together and slip it off so you have access to both rollers.
- 6 – Next remove each E-ring to slide rollers off.
- 7 – replace all parts in reverse order of removal.

**Change out the takeup gear to the retrofitted toothed gear.**