

## SUPER 8 SOUND PROJECTOR



Leon Norris 215-439-1228

- 1 – Keep machine well oiled – but make sure not to get any on rubber parts.
- 2 – Can rough u the rubber wheels with light sandpaper if needed.
- 3 – Make sure plastic guide doesn't catch on 1200 foot reels
- 4 – Check main drive and rewind belts and replace if necessary (many options online (ebay) to purchase belts)  
---If you have to change the belts you will probably have to use an entire box of q-tips cleaning all of the old black rubber goo from all inside the machine. Time consuming but necessary.
- 5 – Regularly exercise all buttons related to sound operation as oxide will build up and interrupt the sound.
- 6 – Check takeup arm - sometimes lubricant on the gear may have gotten into the (clutch) assembly and may be resolved by loosening the allen key and removing the gear and metal collar for cleaning and adjustment. If this is the clutch assembly then there should be a compression washer or material between the teflon gear and the metal collar that should be cleaned and then recompressed (the stronger the compression, the stronger the takeup torque). Just not too tight the takeup reel/spindle needs to slip or it can break the film at a splice or a brittle area."
- 7 - Switch the speed control back and forth between 18 – 24 while motor is not running to make sure things are switching smoothly

Alcohol on the pinch roller

<http://www.electrolube.com/docs/lubricantmain.asp?id=70>

molylube

### JITTERY IMAGE

- 1 –Can be dry film, which can be rectified with lubrications such as Filmgard

2 – Could be the metal guides either side of the back plate in film path. One is spring loaded and the other fixed. In time these guides get worn and grooves do appear in them, which can affect different thicknesses of film, acetate and polyester. One might project better than the other. There are two small screws to each plate, remove them, and unclip the spring on the other one. On examination you might find little notches have been worn into the metal, these can be rubbed out either on a fine oil stone or some fine carbide paper. After they have been rubbed, give them a quick polish on a piece of cloth and re install them. You may have to adjust the outer plate until it just frames your picture and does'nt have the sprocket hole in frame.

3 - Have a look at the snubber roller located below the sound deck, when the machine is running, if the roller dips and the film starts to jump it might be the tension needs adjusting on the spring which is easily done by just loosening the screw and a slight pull on the clip holding the spring then retighten screw.

#### SCRATCHING FILM

1 – Check the small plastic rollers on the top of the first sprocket wheel and always make sure they are free of flat spaces and turn freely. If it has silver rollers take the rollers off and clean them well with Alcohol. Also clean inside the rollers where the shaft/screw goes and clean the screws. I have found they run much better without grease being applied to the screw shafts. It's this grease that attracts the dirt which then stops the rollers from turning which in turn causes flats on the rollers with eventual scratching.

2 – Try to NEVER play the film in reverse. Elmo's tend to lose the loop and rub the film against any number of surfaces.