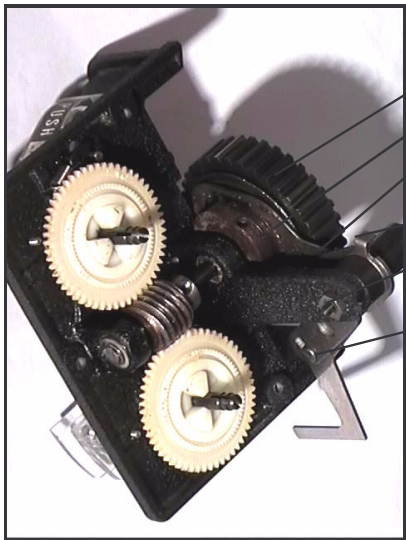


# TVT-R8 Claw Adjustment



- Timing Pulley
- Claw Arm
- Claw Pivot
- Claw Horizontal Position Adjust Tab
- Claw Position Locking Nut
- Framer Adjusting Screw

Sometimes for unknown reasons the Claw gets out of adjustment. It moves in an arc and at no point of its up-down in-out travel should it rub against the edges of the channel that it protrudes through. If it is off sideways, loosen the Locking Nut slightly and move the Tab a little to center the claw sideways in the channel. Retighten the Locking Nut. Turn the Manual Advance knob to check that the position is still good. Readjust and retighten as many times as needed.



- Upper Sprocket
- Aperture
- Claw
- Lower Sprocket

Gently turn the Manual Advance knob several turns each, while trying the Framer lever in the extreme top and bottom positions. If it is touching the top or bottom of the channel at any point, correct with the Framer Adjusting Screw. Do not force the claw against the top or bottom of the channel or the brittle hardened steel teeth will break off. If the claw is off to the left or right too far for any position of the Framer lever it may be necessary to repeat the above Tab adjustment.

To gain access to the mechanism rear, use a .050" Allen hex key to remove the Manual Advance knob. Then use a #2 Phillips screwdriver to remove the 12 screws around the edge holding the front panel to the case.

While you have it apart, also squirt some aerosol grease into the Claw Pivot. This is where the claw arm hinges up and down, and in and out, to advance the film in rapid jerks. A pressurized aerosol is recommended in order to get the grease down into the up and down hinge area of the Pivot. Excessive wear here could allow the Claw to drift to the left and right and give erratic performance requiring mechanism replacement.

If the film still loses the loops even while running undamaged film, it may be necessary to return the entire machine to TCS for examination, and possible replacement of the claw or mechanism portion.