

5.8 Blade Tensioner



WARNING! Before performing service near moving parts such as blades, pulleys, motors, belts and chains, first turn the key switch to the OFF (#0) position and remove the key. If the key is turned on and moving parts activated, serious injury may result.

1. Lubricate the chrome rods of the tensioner system with a heavy duty teflon spray lubricant, such as Gunk L508, every fifty hours of operation.
2. Lubricate the tensioner screw handle with a NLGI No. 2 grade lithium grease as needed.

See Figure 5-5.

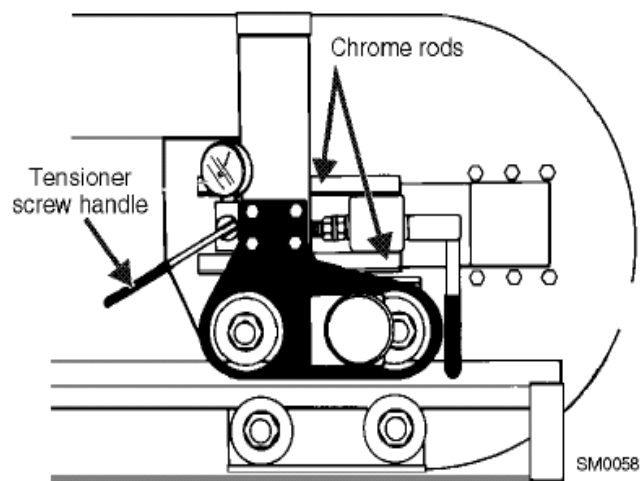


FIG. 5-5

3. Add an Automatic Transmission Fluid (ATF) such as Dexron III ATF to the hydraulic blade tensioner as needed.

See Figure 5-6. To add enough fluid to completely fill the tensioner block:

- Remove the tensioner handle and ball. Remove the sawmill blade housing covers, and blade.
- Push the idle-side shaft housing all the way in to collapse the rear tensioner piston and fully extend the front piston. The front piston should reach the threaded area of the piston guide. **NOTE:** If the hydraulic fluid level is extremely low, collapsing the rear piston may not fully extend the front piston. If it does not, finish the fill procedure in its entirety and repeat. The first pass should add enough fluid to allow the front piston to fully extend. The second pass should add enough fluid to completely fill the block.
- Locate the fill plugs (behind the tension gauge and on the rear tensioner block). Clean any dirt and debris from the plug areas. Use a 7/16" wrench to remove the plugs, making sure to keep the plug o-rings with the plugs.
- Manually extend the rear piston (the front piston should remain extended). Use pliers if necessary, but only grip the outer 1/4" of the rear piston. Gripping or marring the surface of the piston beyond this point could result in seal damage and prevent the system from holding tension.
- Use a small funnel or cup to completely fill the block with hydraulic fluid through either of the fill plug holes. When full, reinsert the plugs into the fill plug holes and thread 1-2 turns. Manually push the rear piston all the way in to allow excess oil and air to bleed from system through the plug. Tighten the plugs all the way.
- Reinstall the blade and blade housing covers. Reinstall the tensioner ball and handle.

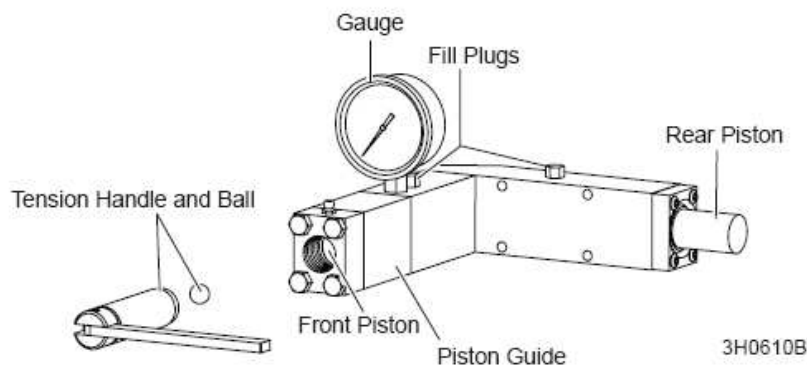


FIG. 5-6