

## **ASSEMBLY THROW ARM COCKING PIN**

Slide the spacers and bushings onto the bolt as pictured in Diagram 23.

Turn the nut on by hand until it is against the spacer.

Screw the Cocking Pin Assembly into the bottom of the gear belt pulley wheel until the nut contacts the wheel.

Now, tighten the nut against the wheel as tight as possible (35-40 ft/lbs. torque) See Diagram 24.

**IMPORTANT:** Do not tighten the bolt against the nut because it will compress the rubber bushings and defeat their purpose.

## **GENERAL MAINTENANCE**

The machine must be released and turned off before performing any work.

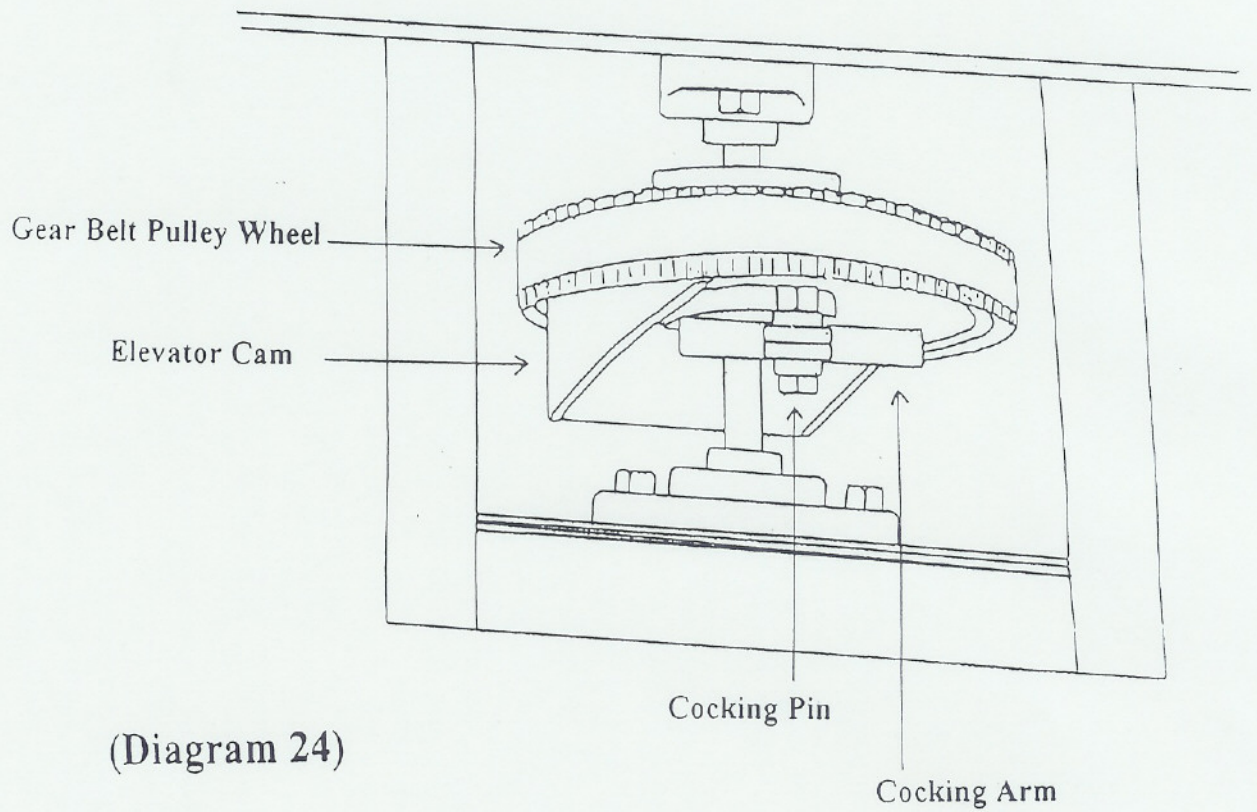
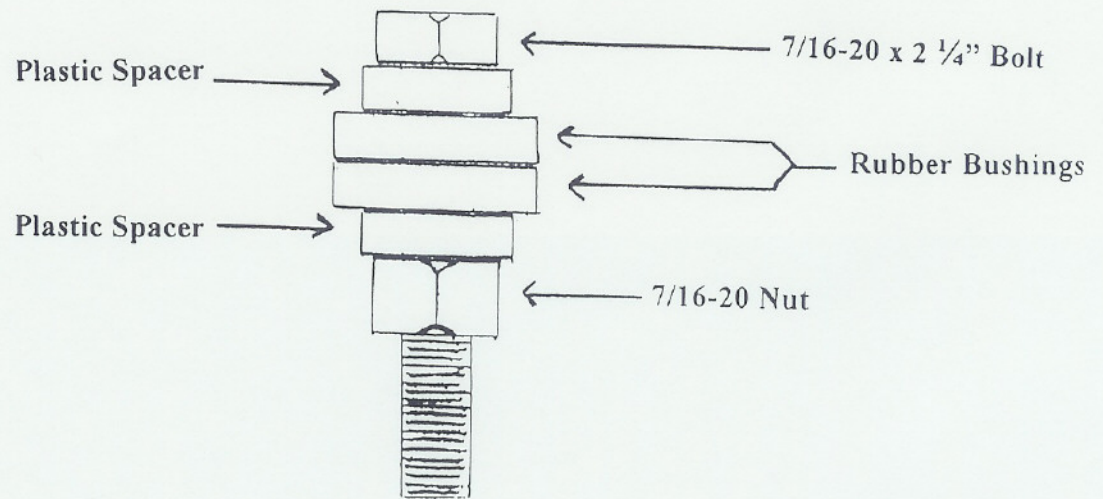
Rotate the bushings 90 degrees after approximately 40,000 to 50,000 throws (see counter).

The bushings should be easy to rotate by hand without having to loosen the bolt.

Replace the bushings if worn or cracked: approximately every 80,000 to 100,000 throws.

***THE "G" SERIES MACHINES WITH A MAIN SHAFT CLUTCH SYSTEM DO NOT REQUIRE THIS MAINTENANCE (BEGINNING WITH SERIAL NUMBER G2842).***

(Diagram 23)



(Diagram 24)



# **INSTALLATION OF THE "X" DOUBLES FINGER**

1. Release the throw arm and turn off the machine.
2. Remove the old Doubles Finger and replace with the "X" Doubles Finger.
3. Set the "X" Doubles Finger so that the right-hand end measures  $7/8$ " up from the bottom edge of the throw plate. Tighten the bolt. This is the approximate position of the Doubles Finger for level double targets. See Diagram 34
4. Loosen the nut on the Singles Finger and move the Singles Finger downwards so that the right-hand tip of the Singles Finger measures  $4\ 3/8$ " from the left-hand end of the "X" Doubles Finger. When tightening the nut, hold back on the Singles Finger so that it does not rotate upwards.
5. Check to see that the throw arm clears the "X" Doubles Finger.
  - A. Reduce the main spring tension (unwind the crank handle)
  - B. Disconnect the Uni-Band (main spring) --- see appropriate section in this manual.
  - C. Move the throw arm manually past the brake and through the area of the "Doubles Finger" to check clearance. Water-pump pliers can be used if the Doubles Finger needs to be bent downwards. A long screwdriver can be used if the "Doubles Finger" needs to be pried upwards.

Presuming the machine is sitting on a level platform, with no wind; these directions should yield a level pair of Doubles.

# POSITION OF DOUBLES "X" FINGER and SINGLES FINGER

(Diagram 34)

