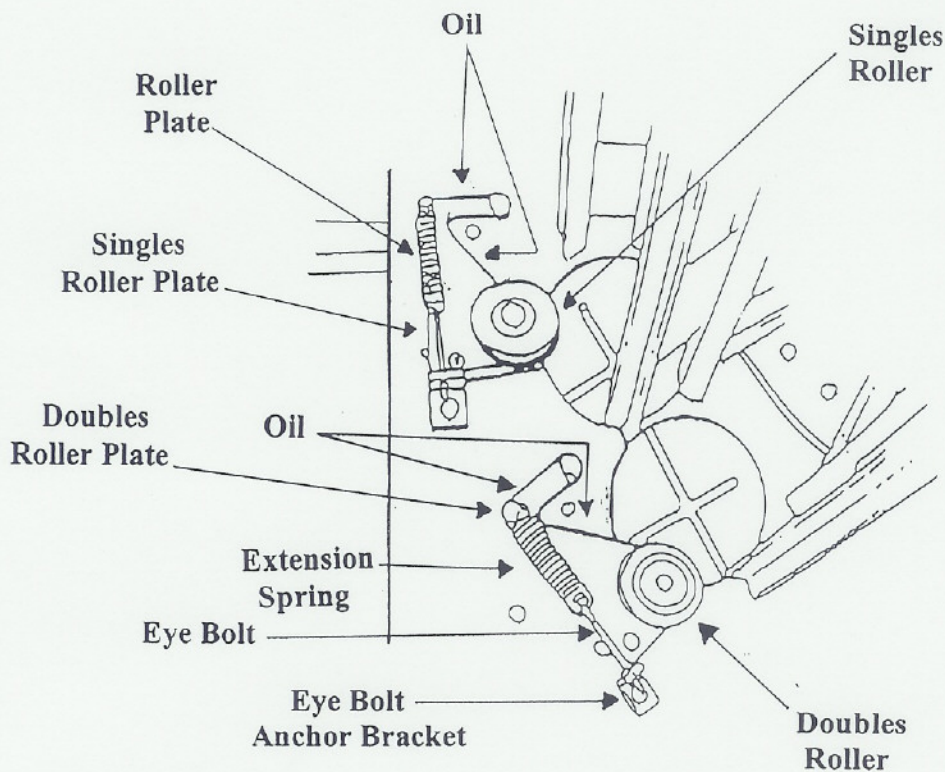


ROLLER PLATE MAINTENANCE

Up to Serial # 2892



NOTE: There needs to be enough spring tension to keep the stack of targets from slipping down past the target rollers. The tension is pre-set at approximately fourteen (14) pounds.

PROBLEM:

1. Dropping Doubles while in Singles mode
2. Breaking targets

SOLUTION:

Place a few drops of light oil under the top edges of the roller plates. Be sure to *inspect the roller plates every few weeks*: do this by pulling back and forth on the wheel while pressing down to see that they slide smoothly. Any excessive oil might drop down onto the throw arm and brake causing the machine to cycle.

Do not use sprays such as RemOil, WD-40 or other such oils as they may dissolve the clay target dust. Use 3 & 1 oil or a synthetic lubricant with teflon----such as Super Lube.

POSITIONING OF THE ROLLER PLATES

From Serial # 2893

The roller plates must be positioned as shown in Diagram 81. The measurement to both of the roller plates is taken from the face of the kingpin shaft to the face of the roller shaft.

If an adjustment is necessary, then the roller plate stop will have to be turned until the roller plate stops at the given measurement.

To set the position of the roller plate stop:

1. Remove the extension spring
2. Adjust jam nut "A" so that when the nut "Y" is tightened the roller plate will pivot freely: with no more than 1/64" of up/down play between the roller plate shaft and jam nut "A".
3. Use an adjustable wrench to turn the roller plate stop to the correct position.
4. Hold back on the roller plate stop with the adjustable wrench while tightening the nut "Y". Torque nut "Y" to 35-40 ft/lbs.
5. Tighten jam nut "B" against nut "Y" while holding back against the roller plate stop with the adjustable wrench. Torque jam nut "B" to approximately 15 ft/lbs.
6. Check for free pivot of the roller plate after tightening.
7. Check the measurement to each roller plate.
8. Reconnect the extension spring.

RETROFITTING OF THE ROLLER PLATES

If this a new installation (retro fit) to your machine, you will first have to drill out the two 1/4" holes to 3/8" for the roller plate shaft bolt. See Diagram 83 for location. If an adjustment is necessary, set a pair of large water pump pliers (channel lock) vertically against the roller plate shaft and carefully bend in the direction needed.

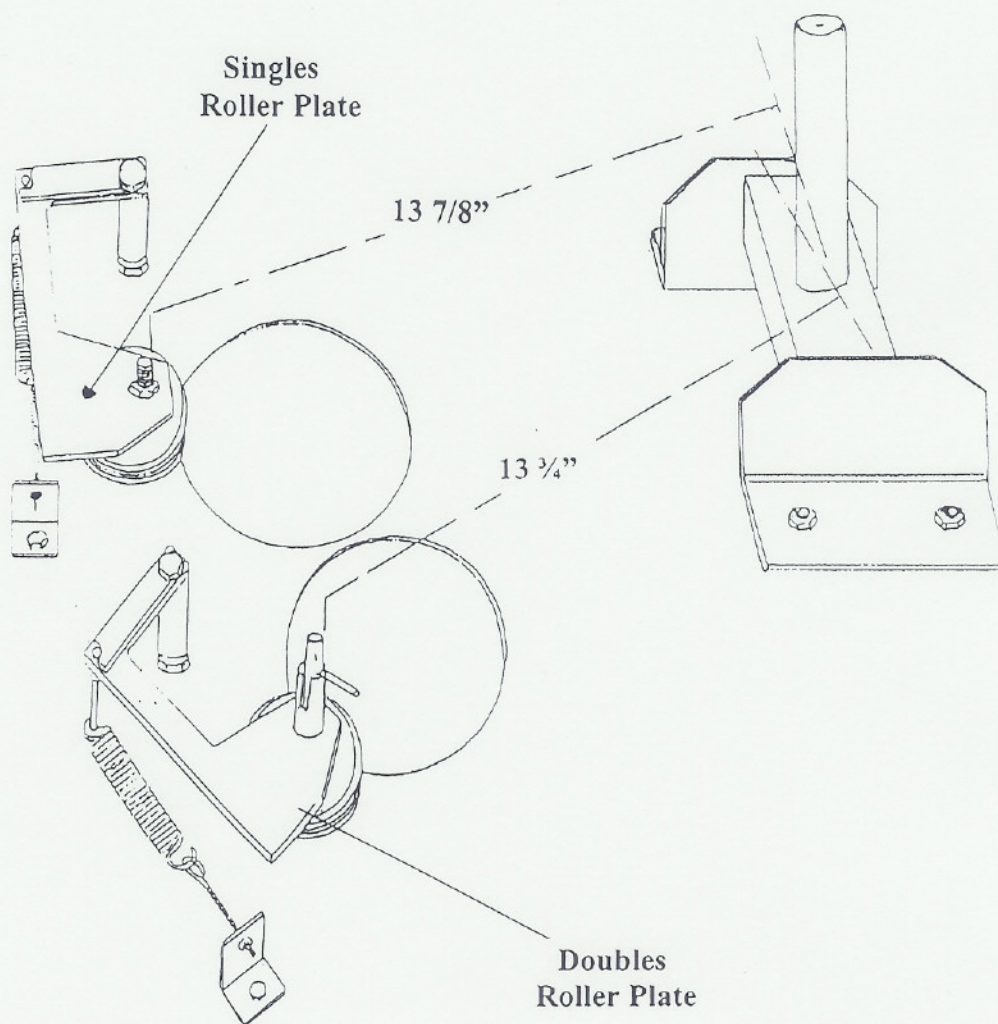
You will have to adjust the cant of both roller plates. Adjusting the cant needs to be made with the extension spring connected, and is the final step in the installation of the roller plate.

SETTING SINGLES/DOUBLES

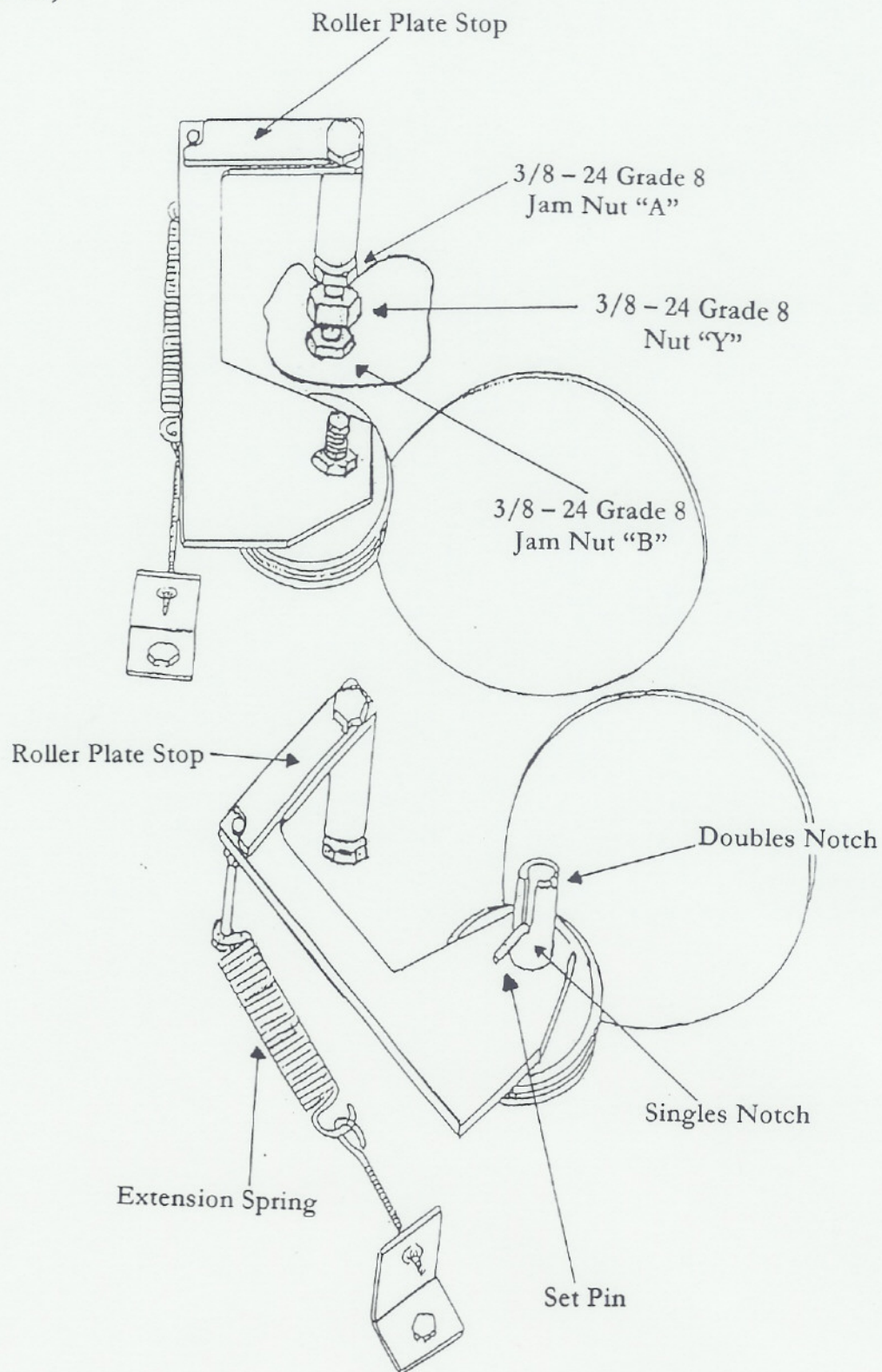
For Singles, move the set pin to the lower (Singles) notch.

For Doubles, move the set pin to the upper (Doubles) notch. See Diagram 82

(Diagram 81)



(Diagram 82)



(Diagram 83)

