

TARGET ELEVATOR GUIDE ADJUSTMENT

IMPORTANT: NEVER STAND IN FRONT OF A TRAP MACHINE. THE TRAP MACHINE MUST BE TURNED OFF AND THE SPRING RELEASED BEFORE ENTERING THE TRAP HOUSE. NEVER ATTEMPT TO MAKE ANY ADJUSTMENT WHEN THE THROW ARM IS COCKED.

The elevator is held in the center of the slots by the two elevator guides. The guides are set 1/64" away from the elevator to allow free up and down travel of the elevator. Refer to Diagram 97

PROBLEM:

If the elevator guides are pressing against the elevator then too much friction may result. If this occurs, then the elevator spring might not be able to pull the elevator all of the way up. This could cause the clay target to slide out of position and either cause target breakage or hard right hand targets.

SOLUTION:

Fire a target and shut the machine off as soon as the elevator rises (when the cam leaves the bearing).

Disconnect the extension spring. Hold onto the elevator rod and move it up and down. There should be free travel. After pushing the elevator rod all of the way up it should fall back down when you let go of it.

The sides of the elevator could have an accumulation of dust. If so, scrape it off.

If you need to reposition the elevator guides, move only *one* at a time. Use a 7/16" wrench. When re-tightening the bolts, make them lightly snug, so as not to deform the material.

Because the bolts are just lightly snug an alternative way to move the guides is by tapping on them lightly with a hammer and square ended wood stick to tighten. To loosen the guides, use a screw-driver between the elevator and elevator slot and pry lightly towards the guide.

(Diagram 97)

Elevator Guide

Elevator Guide

Singles Finger

Edge of Throw Plate

Doubles Finger

