

Two Ways of Converting Stock Two-Way 330 Replacement Triggers into a Tension Adjustable Design.

Scott Smith, Wildlife Biologist, Region 3, New Paltz

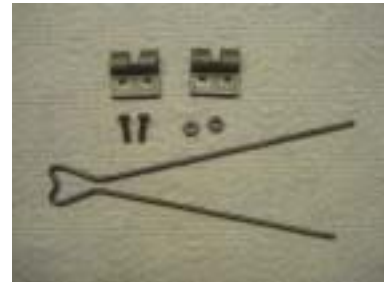
Here are two simple methods of adding a tension adjustable feature to stock two way replacement triggers. These conversion only require a few hand tools and a minimum of time.

I. Bending Trigger Assembly

Create a tension adjustable trigger by changing the curvature of a two way replacement trigger assembly so that both halves make contact with the trap frame.

Equipment needed:

- II. Vice
- III. Hammer
- IV. Two Way Replacement Trigger



Parts of a two way replacement trigger



Procedure:

1) Place one half of the trigger assembly in the vice jaws.



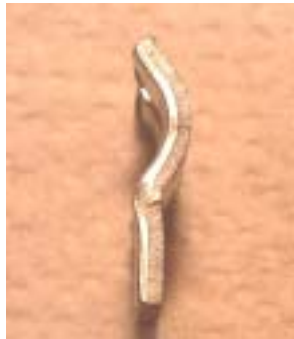
2) Squeeze in the vice until the bottom edge of the flat portion makes contact with the vice jaws.



Squeezed assembly(l) Original (r)



3) Place the flat end in the vice and strike the convex side of the part which goes around the trap frame with a hammer to straighten.



Final shape

4) Repeat the entire procedure with the other half of the trigger assembly.



5) Assemble the trigger on the trap frame with the two supplied nuts and bolts. Tightening the nuts and bolts will now provide tension on the trigger.



Modified assembly

Original assembly

II Addition of a Tension Screw

By drilling and tapping a hole in the trigger assembly, a 10-32 x 3/8" machine screw can be used to provide adjustable tension. There are several suitable positions on the trigger assembly for the location of the screw based on trapper preference.

Equipment needed:

- Two Way Replacement Trigger
- Vice
- Drill
- #21 Drill Bit
- Center Punch
- Hammer
- Rat Tail File
- 10-32 Tap
- Cutting Oil
- 10-32 x 3/8 Hex Head Slotted Machine Screw



Procedure:



1) Secure the trigger assembly in a vice. Use a center punch and a hammer to dimple where the center of the hole is desired. Drill a hole completely thru the assembly with a # 21 drill bit. Use the rat tail file to remove any burrs made while drilling the hole.



2) Coat a 10-32 tap with cutting oil. Slowly turn the tap clockwise to cut the threads through the hole. Slowly turn the tap counterclockwise to remove it from the hole.



3) Assemble the trigger on the frame of the trap. Thread a 10-32 x 3/8" hex head slotted machine screw into the hole until it makes solid contact with the trap frame. Use a screwdriver or wrench to adjust to the desired tension.



You can choose various locations for the machine screw.

Note: Good results can also be obtained using a #29 drill, tapping with a 8-32 tap, and using a 8-32 x 3/8 hex head slotted machine screw.