

5 Shot Rubber Band Gun

1) Make a kit

2) Assemble the kit into a
rubber band gun

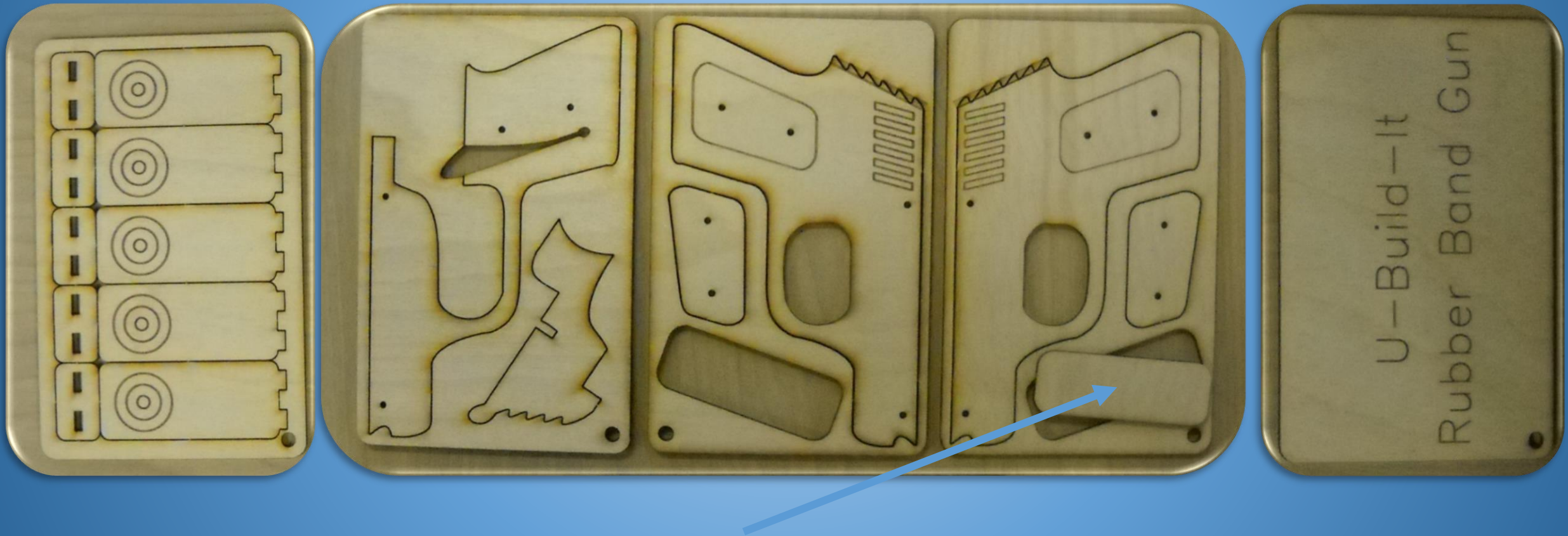
Make a kit

- Cut the pattern (file included) from 1/8 inch Baltic Birch Plywood
 - Note: The center piece may be cut from a thicker ply (like ¼ birch)
 - Caution: MDF tends to burn leaving charcoal (which leaves black marks) on the **edges**
- The spring comes from the border of an automotive **windshield sun shade**
 - Remove the cloth and you are left with approximately 7 to 8 feet of spring steel per side.
 - Cut off a two inch (no longer) piece and slightly bend to the shape shown.
 - Install in the center piece as shown
- **Sand paper** is standard 150 grit.
 - Paper is put into a laser cutter face down and cut into pieces that are **glued** to cutouts from the wood pattern
- **Tape** is used to make the center piece slightly thicker than the trigger in the assembly.
 - This provides enough clearance for the trigger (not taped) to move freely between the side pieces.
- **Paste-Wax** makes the trigger assembly slide easier between the side pieces.
- **Rubber-bands** identified are a good length for this size rubber band gun
- **Toothpicks** identified are approx. 0.077 in diameter and made to be a slight press fit

Supplies to make the kit



Cut the five panels



Sand paper is glued to block and later included with kit

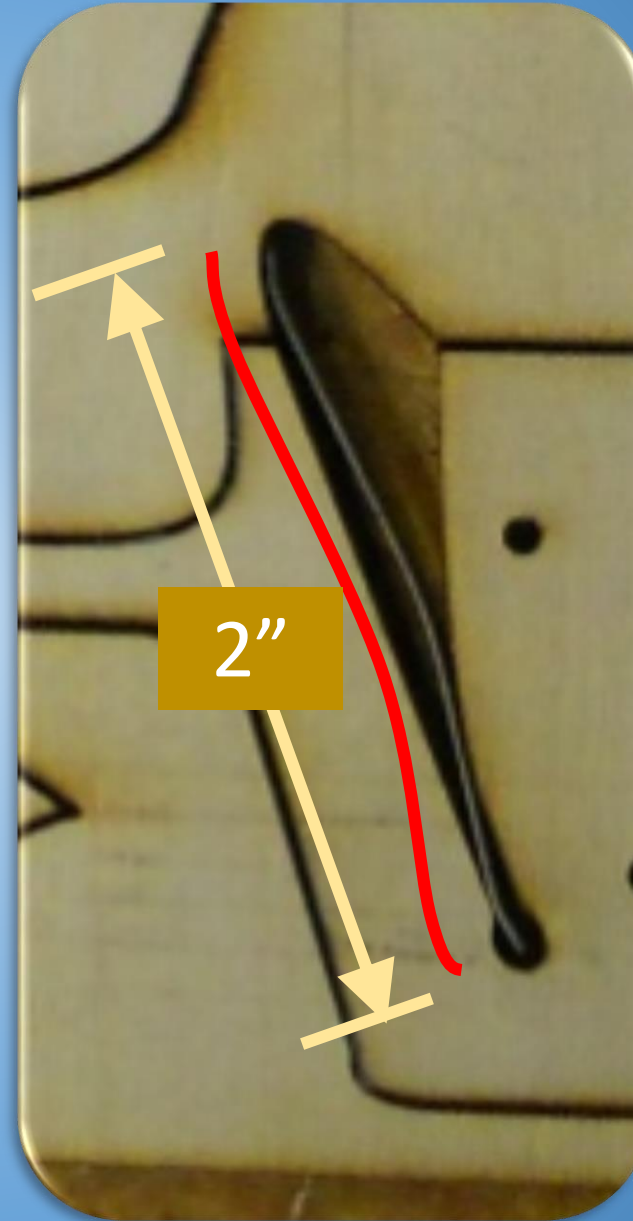
Trigger Return Spring

- Measure & Cut the spring (two inches)
- Make sure it is not wider than the center piece wood thickness (use $\frac{1}{4}$ inch wood if necessary)

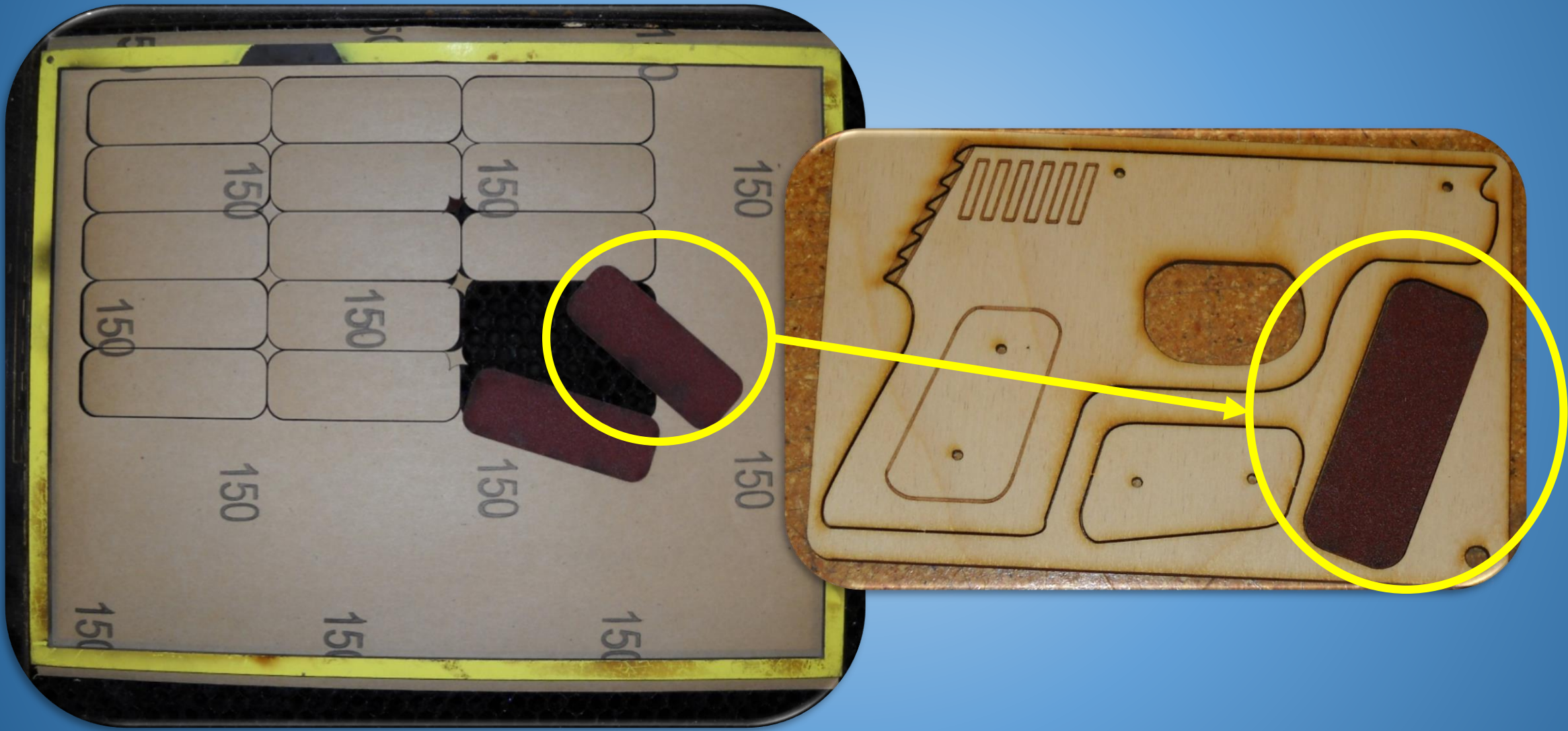


Trigger Return Spring

- Bend (slightly) to shape
- Install in the center piece



Laser cut the sand paper (pattern in file) and glue to one of these blocks

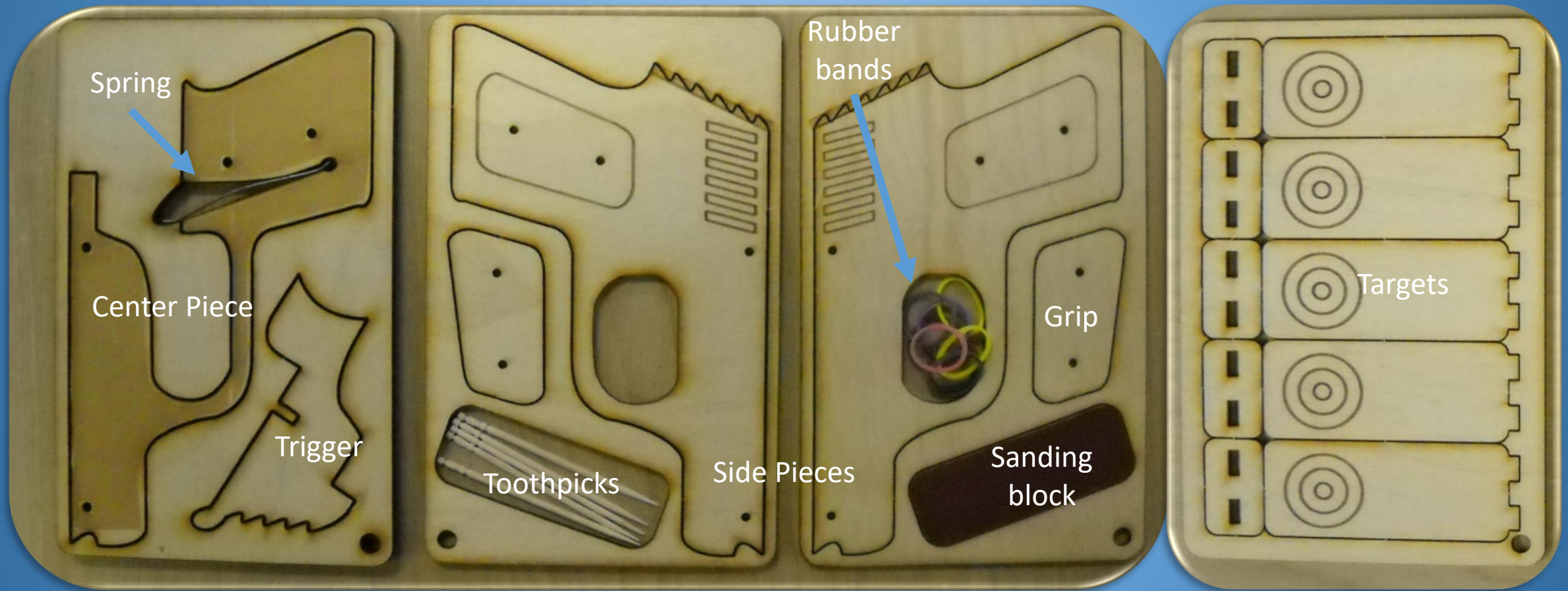


Add and trim tape
to both sides of center piece



Do not cover trigger

Make a rubber band gun from the kit



Rubber band gun kit (w/o cover)

Supplies /tools needed to assemble the rubber band gun



CA gel glue



Utility Knife

Push out the pieces



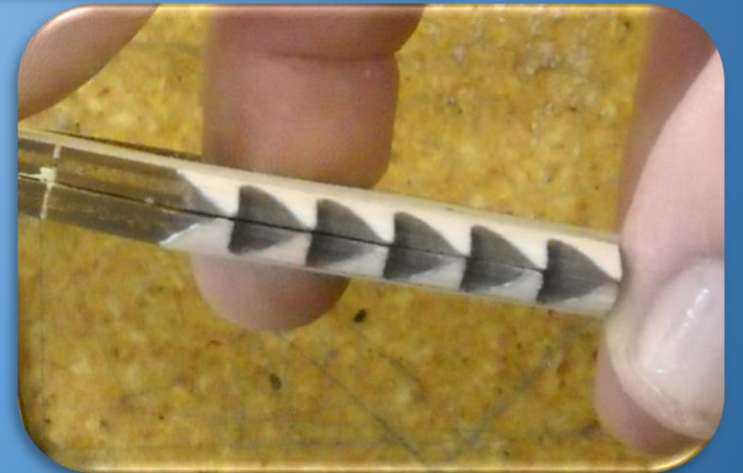
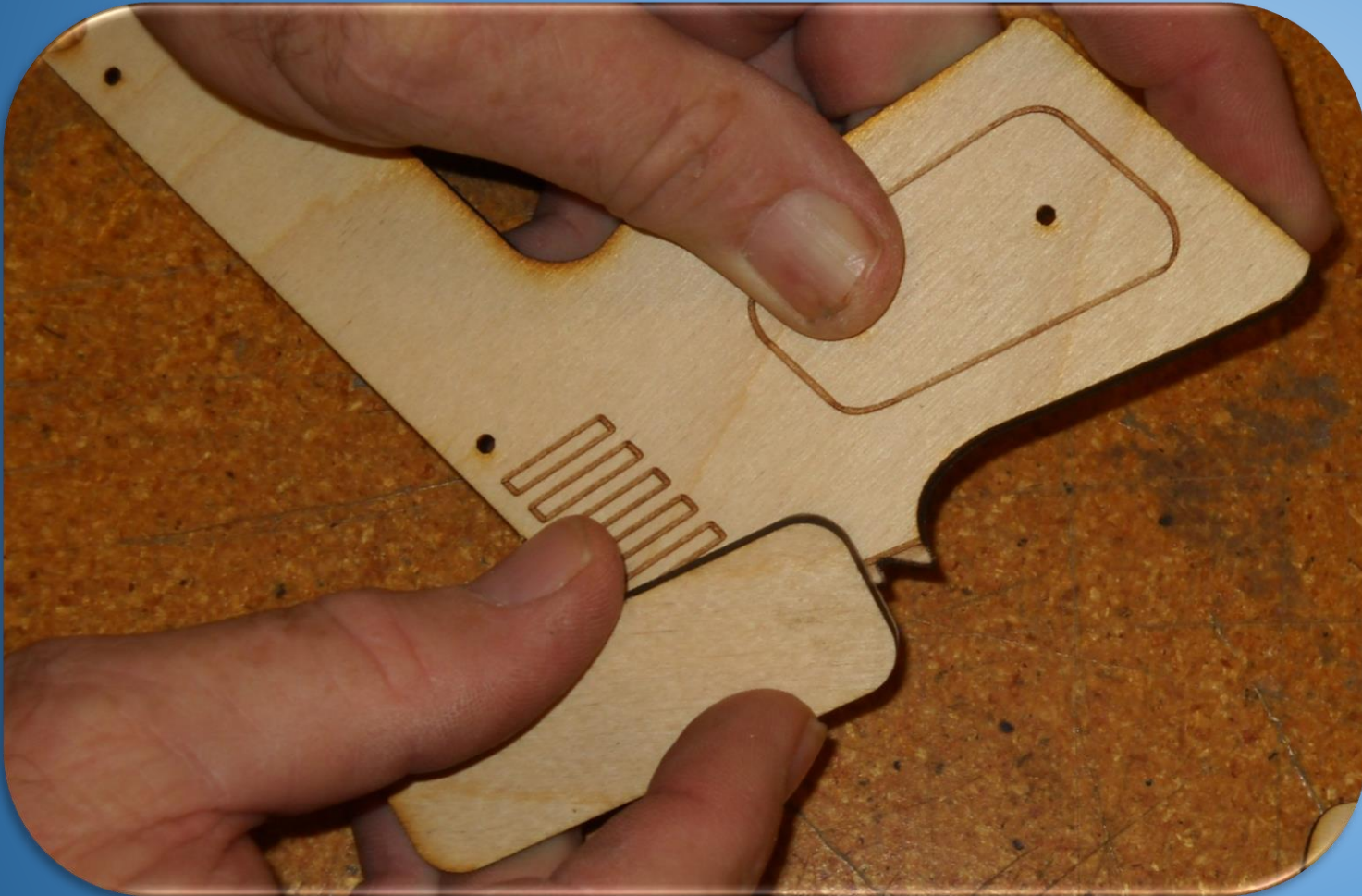
Apply wax to trigger sliding surfaces



Install the trigger on to the center piece



Sand serrations at the back of side pieces until they taper to the edge



Position the side and center pieces and grips



Install Toothpick Pins



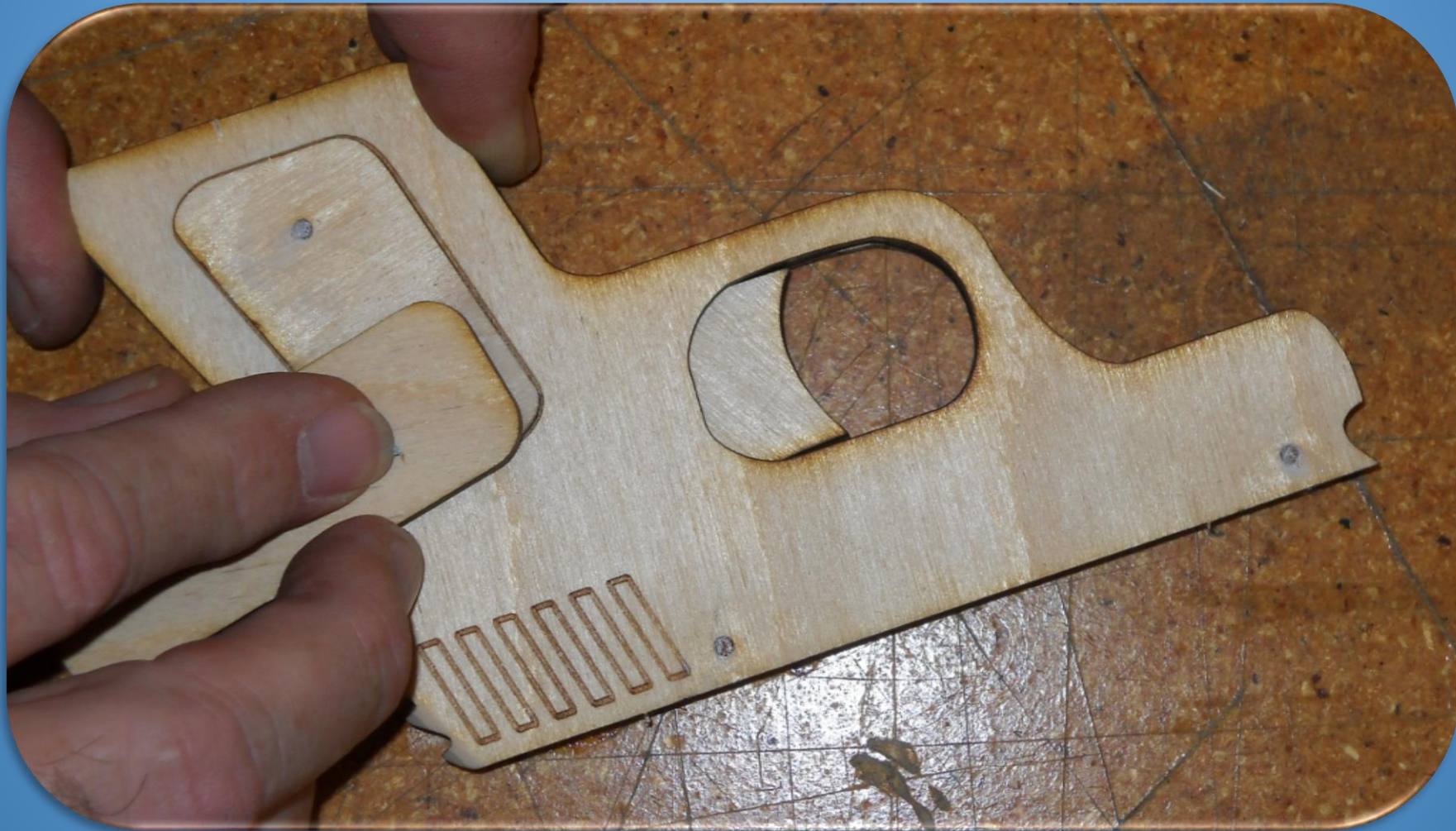
Score the toothpicks at the surface
and break at the score mark



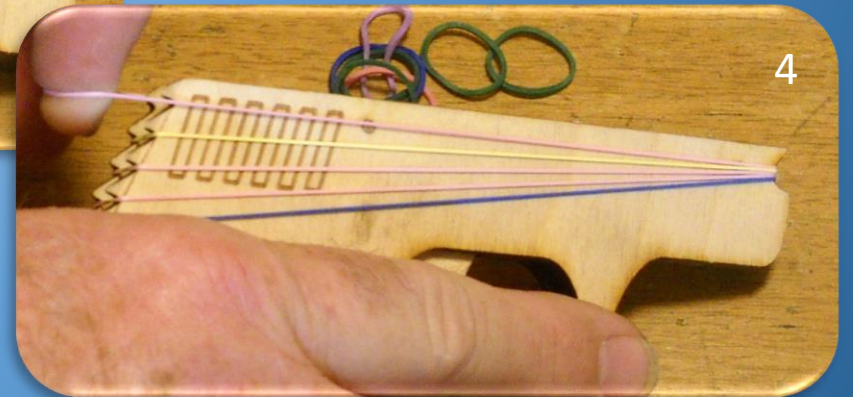
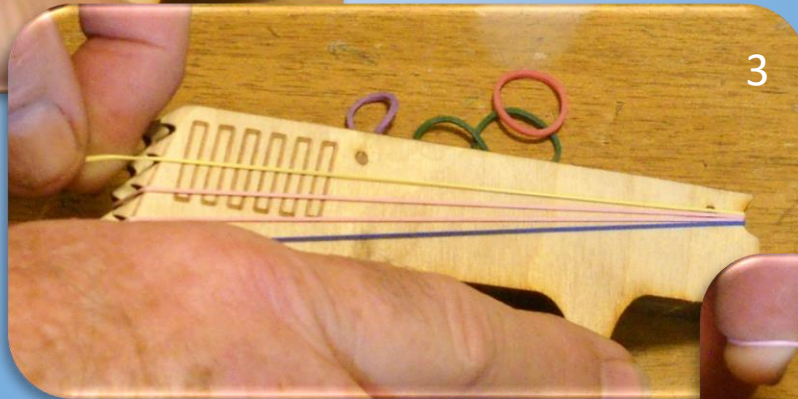
Add CA glue to the cut-off end of each toothpick (both sides)



Sand cut-off ends to Smooth



Load with five rubber bands from bottom to top



-Assemble targets and set up about 24 inches away

-Pull the trigger all the way back for each shot to sequence the next shot

- Five shots / five targets
Try to get 5 for 5

