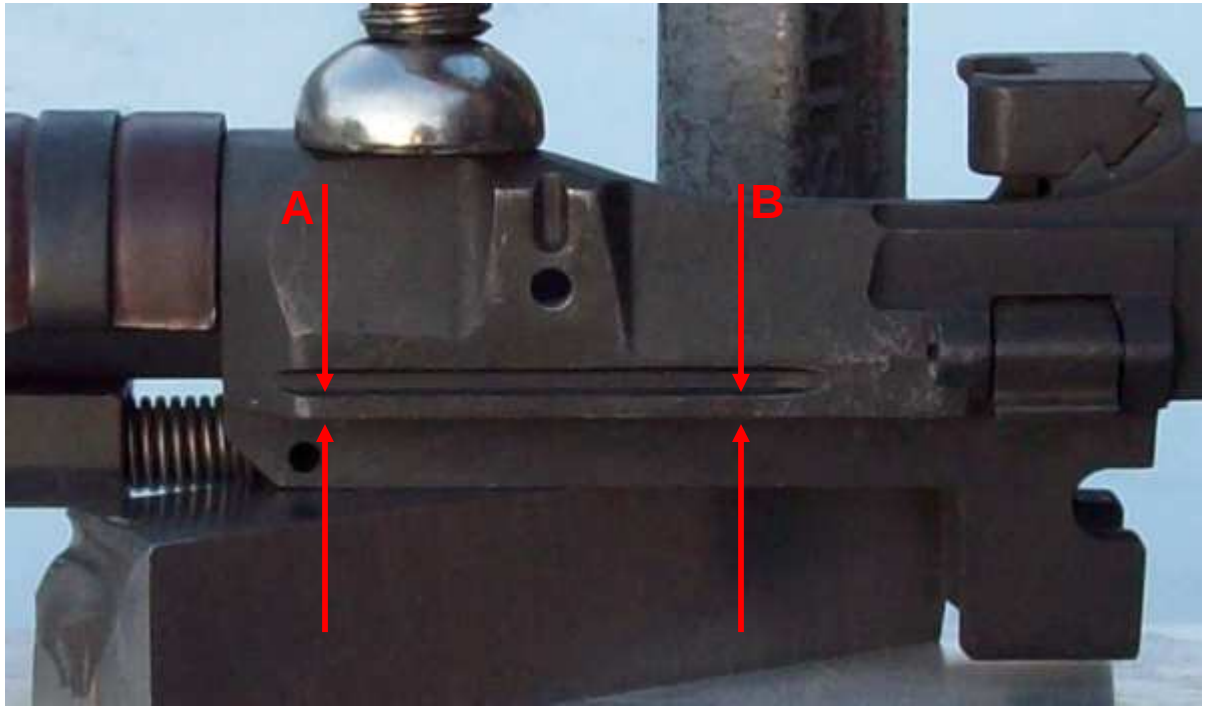
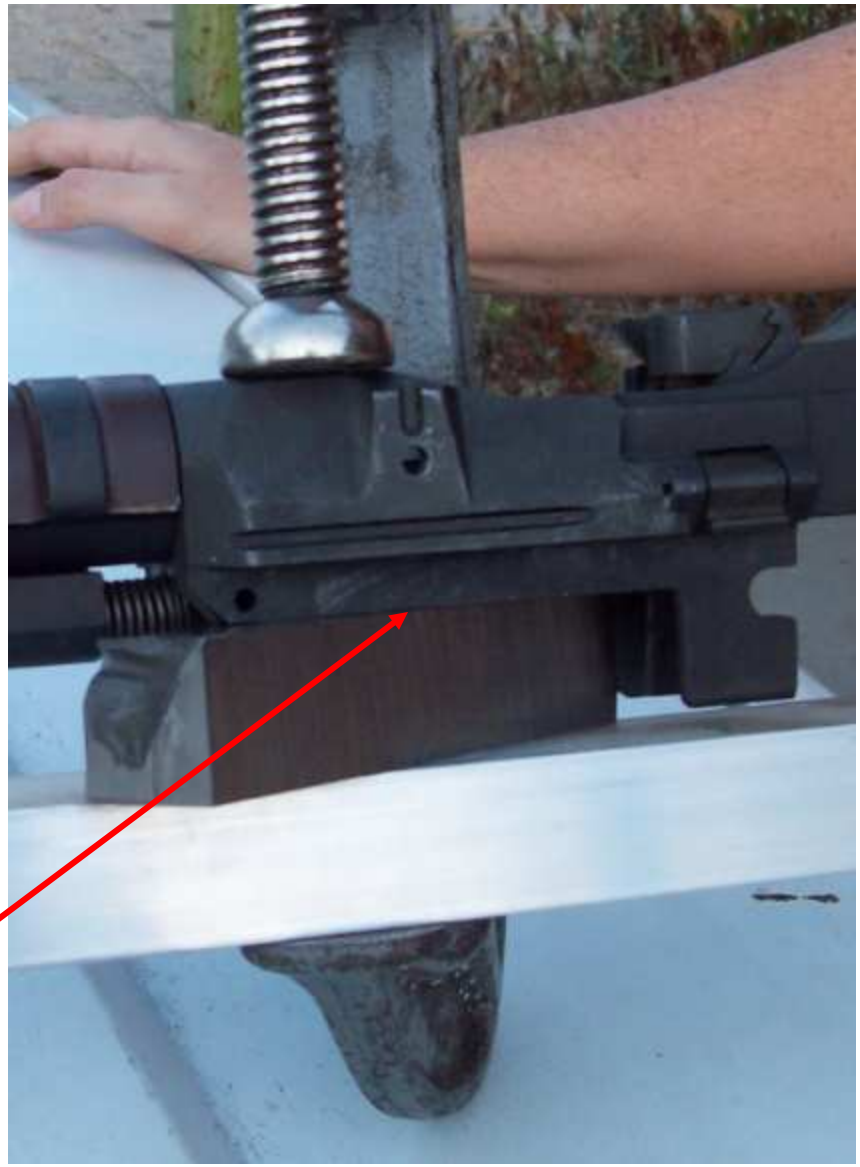
Troubleshooting: Shooting High or Low

First: take these two measurements with a caliper.
They should be the same or within .001 of an inch.

*Sometimes they are not. If there is more than .001 difference, this measurements test will not solve the problem. Stop here.



Second: find a flat steel surface to place against the base of the action as well as log steel rod or surface that should run the length of the barrel and clamp it all together.



This should be flat against the base of the action here – no space.

Third: take some measurements and calculate the difference between the center of the barrel by the action versus the center of the barrel at the end as compared to the straight surface against the action.

1. Measure from the top of the barrel to the bottom of the barrel at point A and point B.

2. Measure from the bottom of the barrel to the top of the steel rod or object that is parallel with the action for measurement C.

3. Measure from the bottom of the barrel to the top of the steel rod or object that is parallel with the action for measurement D.

A = _____

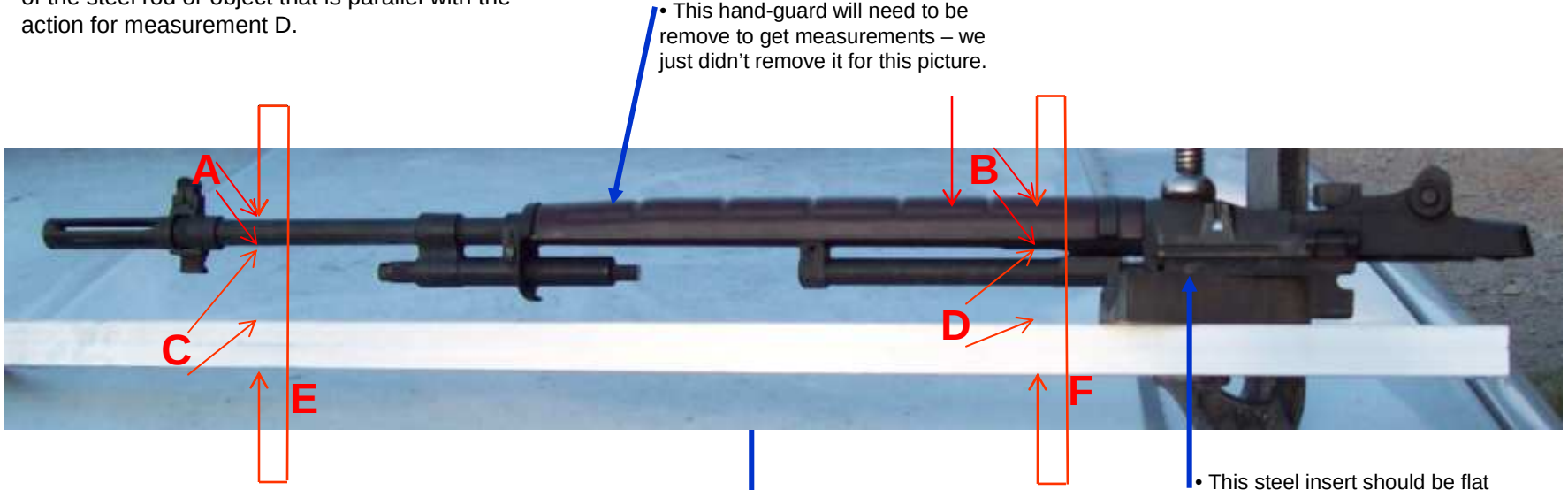
B = _____

C = _____

D = _____

4. Plug these measurements into this formula:

(A/2 + C) should equal (B/2 + D)



• This hand-guard will need to be remove to get measurements – we just didn't remove it for this picture.

• This bar should be flat – like a piece of steel, not glass or wood yard stick as they have a tendency to not be precisely flat.

• This steel insert should be flat against the base here – no space.

OR Measure A and B, and then measure from the top of the barrel to the bottom of the steel rod or object that is parallel with the action for measurement E and F.

The goal with these two flat surfaces is to be parallel to the action.

OR Plug these measurements into this formula:

(E - A/2) should equal (F - B/2)