

March 4, 1970

Mr. Alexander Gadbois  
1115 1/2 Hope Street  
South Pasadena  
California 91030

Dear Mr. Gadbois:

Please accept my apologies for not providing you a final answer to the barrel bedding in the XP 100 pistol.


I have conducted a thorough investigation using two accurate XP 100 pistols and agree with your results, i.e., when the barrel heats, the stock warps away from the barrel.

The warpage was aggravated in my test by rapid firing of 20 rounds of ammunition which moved the stock .025" away from the barrel. The problem was never revealed by my previous bench and off hand testing, probably because the firing was conducted at a slow rate. The XP 100 is bedded with an intentional fore-and support to the barrel. Removal of these support pads (if they are touching the barrel) should clear the problem of the shifting of point of impact. Actually this situation occurs in all pistols and rifles that are muzzle supported, but is more noticeable in plastic than wood stocks because of the differences in coefficient of expansion of the two materials.

I appreciate your inquiry and interest in the XP 100 pistol. You must be doing some accurate shooting. Gun writers, Dave Merton, Les Bowman and Ken Glanzer have some excellent results with the XP 100 and have reported five-shot groups at 100 yards under 1/2". They have used both wood and nylon stocks with excellent results. Fajen makes a laminated wood stock for the XP 100 which would be ideal for fine accurate shooting.

I notice that Redfield makes receiver sights for the XP 100, perhaps they have the type you require.

Very truly yours,

  
Wayne E. Leek, Manager  
Firearms Research & Design

WEL:sp