

To: Jim Snedeker  
From: Harold Davidson  
Date: 8-10-00  
Subject: Estimated M710 Trigger Pulls

Jim,

I was asked to estimate the trigger pull for the M710 fire-control in four different configurations. The first two configurations were maximum and minimum sear-trigger engagement. Both resulted in a trigger pull of approximately 6 lbf. using a coefficient of friction of 0.2. The third and fourth configuration maintained the firing pin and head in their original positions, but rotated the receiver insert, sear, trigger, etc. about the sear pivot by 1 degree and then 5 degrees. The third and fourth configuration did produce slightly higher trigger pulls, but the trigger pull values were still below 7 lbf.

The results and some related images are shown on the following pages.

ET07325