

**Snedeker, Jim**

**From:** Danner, Dale  
**Sent:** Monday, December 11, 2000 11:07 AM  
**To:** Golemboski, Matt R.; Bristol, II Ronald H.; Russo, Al; Keeney, Mike; Diaz, Danny; Franz, Scott; Snedeker, Jim  
**Subject:** Interim M/710 Test Status -- Series C

Everyone,  
 Results of testing Dec. 10 as follows:

- 1) Drop testing -- All work is complete except Drop with the scope. Jar and Rotation passed in both configurations (with and without scope).
- 2) Box Bottoms -- 3 of 10 guns lost their bottoms during the 100 rnd test. Specifically, at round levels 49, 74, and 90. We have another 14 guns to put 100 rnds on so additional info will be available to base a go/nogo decision. (Marketing call)
- 3) Guns Swapped -- 2 guns were swapped in their boxes -- aka serial numbers on the box did not match the serial number on the gun. From a BATF point of view we have the correct guns based on the serial number list -- they did not however come in the correct box.
- 4) Boxes Difficult to Remove -- This continues to be a complaint by the technicians. Personally, I believe it to be a fairly low risk issue. May be related to box bottoms falling off due to increased force required to get the box out of the gun. (Marketing call)
- 5) Firing Pin Heads Loose - 12 of 30 guns had the firing pin head loose. Locktight issue???
- 6) Trigger Pull at Minimum - Several of the guns now have trigger pulls below process minimum (slightly). Average pull on 30 guns was 3.99 lbs. in the stock -- 4.17 lbs. out of the stock.

Dale

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**From:** Danner, Dale  
**Sent:** Thursday, November 30, 2000 10:50 AM  
**To:** Golemboski, Matt R.  
**Cc:** Bristol, II Ronald H.; Russo, Al; Keeney, Mike; Diaz, Danny; Franz, Scott; Snedeker, Jim  
**Subject:** M/710 T&P Status Review - 11/27/00

Matt,

I thought it would be worthwhile to document our discussion/path forward on the various M/710 issues from our meeting on 11/27/00 as follows - please let me know if I've misstated your position:

- 1) Box Bottom Falling Off - I understand that we have potentially some 8000 box stampings in process of the current design. We will continue to use this level of design until stampings with the extended tab are available. You will alter your process with the current stamping to include pressing the stamping down firmly into the box bottom as the tab is forced forward into the retaining slot. The next test will be conducted with boxes assembled to the new process. Should box bottoms fall off in the next test Etown will report the round level and acceptability will be a Marketing call. Keeney will provide design criteria for the lengthening of the tab.
- 2) Difference in Engagement Etown vs. Mayfield -- Investigation of this problem has indicated that the issue is measurement error - principally due to the lack of proper fixturing in Etown. You will make no process change to address this issue. Etown will use our measurement means to adjust to process minimum for SAAMI drop testing.
- 3) Trigger Pull / Return Force -- This issue remains under investigation.
- 4) Bolt Stop Breakage - Mayfield will build product for the next test employing stops which are non-heat-treated and have the "full radius". Etown understands and agrees that deformation of the stop under normal use is acceptable as long as the deformation does not affect the proper function and removal/retention of the bolt.
- 5) Bolt Stop Freedom - Etown observed that during the last test several bolt stops became loose during test in that no significant force was required to rotate the stop into the "release" position. This is principally a function of the degree

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