

**Danner, Dale**

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**From:** Danner, Dale  
**Sent:** Monday, November 06, 2000 8:08 AM  
**To:** Bristol, II Ronald H.  
**Cc:** Diaz, Danny; Golemboski, Matt R.; Franz, Scott  
**Subject:** FW: T & P Status for Saturday & Sunday

Ron,

Over the weekend we had 2 of the 30 M/710 T&P product exhibit what looks like fire control problems. The first one A26 had a followdown followed by a round which actually fired while the bolt handle was being rotated closed. I had this gun examined for engagement and trigger pull (.021 and slightly higher than 3 lbs) which are slightly out-of-specification. Upon looking further at the gun the "feel" of the trigger is wrong in that it doesn't return properly. The second gun A14 had what would appear to have been two followdowns. I have not investigated this second gun as of yet but will today. I consider these issues serious.

Two other items of note -- We broke a bolt stop during the firing pin indent portion of the test. This would have been PRIOR to any shooting activity (Mayfield would have proofed the gun). Secondly, we have one gun which will not close on our minimum headspace gauge.

Dale

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**From:** Reesor, Phillip K.  
**Sent:** Sunday, November 05, 2000 11:45 AM  
**To:** Danner, Dale; Franz, Scott  
**Cc:** Snedeker, Jim; Diaz, Danny; Keeney, Mike  
**Subject:** RE: T & P Status for Saturday & Sunday

Sunday: worked 6:00 to 12:00

- Trigger pull- complete
  - Firing Pin Indent- complete
  - Bolt Stop function test- complete
  - 10 rd. safety function- complete, A-14 would not fire twice during this test, looks like follow downs. Details on sheet in packet. (with gun in my office)
  - Bore Sighting check on A-21 to A-30 complete, less A-26
  - All scopes have been removed in preparation for further testing.
- The firing pin head to sear engagement is next, then come accuracy, 100 rd function & detailed measurements. I thought we want to have a sit down and discuss what we've seen to this point before continuing into function & accuracy.

PKR

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**From:** Franz, Scott  
**Sent:** Saturday, November 04, 2000 2:17 PM  
**To:** Reesor, Phillip K.; Danner, Dale  
**Cc:** Snedeker, Jim; Diaz, Danny; Keeney, Mike; Franz, Scott  
**Subject:** T & P Status for Saturday  
**Importance:** High

- Labeled 30 guns A-1 to A-30
- Inspected all 30 guns for Magnaflux and Proof marks - OK
- Measured headspace as received
  1. Gun A-2 (71001425) : Can't close on min. gauge plug (closes on dummy rd), tagged gun. **Gun is out of test for now. Can take measurements but do not shoot until we all review.**

- Ran 10 rd. Safety Function Test w/Lanyard on guns A-21 to A-30 only.
  1. Gun A-26 taken **out of test**, 3rd rd. failed to fire (possible follow down) and 4th rd. fired when bolt was being rotated into the closed position (was fully locked when it fired).  
 Note: Safety was off during the 10 rd. test as per my instructions.  
 Measured trigger pull and engagement and then put **in my office**.
- Measured trigger pull on guns A-1 to A-20.
- Measured Indent on guns A-1 to A-20
  1. During this the bolt stop on gun **A-15 (71001464) broke**. Broken piece in bag in information pouch. The first indent was taken ok. While closing the bolt to take the second indent the bolt would not close. When the bolt was opened a small metal piece fell out of the gun. At this time it was noticed that the bolt stop was broken. Tagged gun. **Out of test for now.**
- Performed Bolt Stop Function Check on guns A-1 to A-20. Did not measure forces yet. Need to come up with a way to do this. Guys mentioned that the bolt stop functioning gets easier as it is cycled even after only a few cycles.

As far as Sunday activity I would just continue with the preliminary measurements on guns A-1 to A-20. After this you could do the Bore Sight Test on guns A-21 - A-30 (minus A-26). Do not adjust scope at any time, just shoot one 5-shot group using the same POA and save targets for measurement later. After the bore sight test you could do Preliminary measurements on these 10 guns to catch them up with the other 20. Call if you have any questions.

Scott

**Danner, Dale**

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**From:** Franz, Scott  
**Sent:** Monday, November 06, 2000 9:22 AM  
**To:** Bristol, II Ronald H.; Golemboski, Matt R.; Diaz, Danny; Keeney, Mike  
**Cc:** Snedeker, Jim; Danner, Dale  
**Subject:** M/710 T & P Conference Call  
**Importance:** High

Issues to discuss at the 10:00 a.m. meeting:

- Visual Inspection Issues as identified by John Trull
  1. ISS Keys missing - (3 of 30)
  2. Stock Sink - Left side
    - 1 of 30 unacceptable (measured .050" sink)
    - Worst case sample identified (measured .042" sink)
  3. Hard Bolt Cycle (translation) - 1 of 30 unacceptable
    - Improved w/cycling
  4. Bolt Stop Detent - 1 of 30 loose
- Measurement/Function Issues
  1. Headspace - 1 of 30 won't close on E-town Min. plug.
  2. Fire Control Operation
    - 2 of 30 guns had follow down malfunctions (A-14 & A-26)
    - 1 of 30 inadvertently discharged (A-26)
  3. Bolt Stop Breakage - 1 of 30 during Preliminary measurements