

**Franz, Scott**

**From:** Franz, Scott  
**Sent:** Friday, December 15, 2000 9:44 AM  
**To:** Bristol, Il Ronald H.; Russo, Al; Trull, John C.; Golemboski, Matt R.; Zajk, Joseph J; Diaz, Danny; Keeney, Mike; Danner, Dale; Snedeker, Jim; Reesor, Phillip K.; Franz, Scott  
**Subject:** M/710 Conf. Call Topics - T & P Series "C"  
**Importance:** High

The following topics will be discussed at 3:00 pm ET.

- ✓ Schedule update - Testing to be complete by noon today  
Remaining work believed to be low risk
- ✓ Magazine box bottoms falling off *chamber box btm.*  
4 of 24 guns (17 %) during 100 rd. fcn. test (74, 90, 49, 82 rds.)
- ✓ Magazine boxes difficult to remove  
modified 5 guns (stocks) for the 400 rd fcn. test (**much easier to remove**)
- ✓ Firing Pin Heads loose when received - 12 of 30
- ✓ Take down screws loosening/rotating during shooting  
rear screw ok  
middle screw - 4 of 24 moved (10-30 deg. range) *83*  
front screw - 9 of 24 moved (10-40 deg. range) *same guns*
- ✓ Bracket screws loose - 1 of 24 after 100 rd. fcn. test *100 rds*
- ✓ Trigger Pull on low side of spec. *lock fire on this?*  
30 Gun avg. = 3.99 lbs. in stock (low was 3.42, high was 5.08)  
30 Gun avg. = 4.17 lbs. out of stock (low was 3.42, high was 5.00)  
24 Gun avg. = 4.21 lbs. out of stock after 100 rds. (3.58-5.50 range)
- 2 ✓ Bolt Stop Detent - 2 of 10 loose/no detent force
- ✓ Slam Test Results - in process
- ✓ 100 rd. fcn. test results very good
- ✓ 1 stem low in 2,400 rds. (outside of mag. box btm. failures)
- ✓ 400 rd. fcn. test in process

Some general observations during initial inspection:

- Serial number on box does not agree w/gun (2 guns and boxes switched)
- ✓ Double proof stamps on barrel
- ✓ Only 1/2 of proof stamp visible
- ✓ Incomplete White Dot on ISS
- ✓ No hang tag on guns

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**From:** Reesor, Phillip K.  
**Sent:** Friday, December 15, 2000 10:03 AM  
**To:** Franz, Scott  
**Cc:** Danner, Dale  
**Subject:** Slam Test

**Slam Test:**

This was a 4 gun test, instructions consisted of shooting 20 round of live fire through each gun, closing the bolt smartly on every round.

**Results:**

There were no follow downs or inadvertent firings during this test.

Gun C-1, Bolt handle broke off while closing the bolt on round 15. This occurs at the end of the forward bolt movement and before rotation had started. The bolt was forward and remained in the unlocked position.

Gun C-2, Bolt handle boke off while closing the bolt on round 2. Same as C-1

Gun C-3, Grip cap came off upon firing round 5.

Magazine box bottom came off upon firing round 6. Total of 106 rds.

Bolt handle broke off while closing the bolt on round 13. Same as C-1

Gun C-4, Completed test with <sup>NO</sup>malfunctions <sup>or</sup>breakage.

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**From:** Reesor, Phillip K.  
**Sent:** Friday, December 15, 2000 1:59 PM  
**To:** Franz, Scott  
**Subject:** 400 round Extended Function Test

This test consist of 10 guns being function tested an additional 400 rds each from the shooting jack.  
This test was conducted in two parts.

- The first 5 guns were shot with the original magazine well configuration, making removal of the magazine at the extende round levels very difficult.
- The second 5 guns had an additional clearance cut machined into the mag well to ease in the removal of the magazine from the gun.

**Part 1**

C-6: no malfunction reported  
C-7: 7 stem lows with Winchester S3006XB 150 gr. Fail Safe ammo, other ammo shot clean.  
C-8: no malfunction reported  
C-9: magazine box bottom came off @ 93 & 100 rds.  
C-10: 2 stem lows, mag. box bottom came off 8 times.

**Part 2**

C-11: mag box bottom came off 1 time, 3 stem lows with Winchester S3006XB 150 gr. Fail Safe ammo.  
C-12: no malfunction reported.  
C-13: 1 bolt over-ride  
C-14: mag box bottom came off 1 time.  
C-15: no malfunction reported.

*10 GUNS - 400 rds*  
*.33% over-all rate*

*12 stem lows (10 w/wins. S3006XB 150gr.)*  
*1 BO Fail Safe ammo*