

**Model 710 DAT Phase II**  
**Chronology of Events**

• **Saturday 9/9/00**

- Received 30 DAT Sample Rifles + 1 extra (8:05 AM, S. Truax)
- Started Preliminary Measurements after dividing into 3 groups of 10 guns
- Observations during Preliminary Measurements
  - ✓ Some guns would not fire when the trigger was pulled.
  - ✓ Safety levers would move during dry firing.
  - ✓ Indents were low on some guns.

Mike Keeney observed that assembly of the new Insert Support Bracket was not correct. The tapped hole in the Receiver on about half the guns were either in the wrong position and/or not collinear with the centerline of the Bracket hole. This caused the screw to bias the fire control housing to one side when tightened which bound the Sears on some guns, resulting in failure to release the Sear Safety Cam when the trigger was pulled. Pictures were taken of two guns and this information was relayed to Mayfield personnel immediately. Mayfield screened receivers to find acceptable receivers. E-town determined that 10 of 30 guns were ok to use. These 10 guns were to be used for the Abuse Tests.

Further investigation by Mike Keeney indicated that Sear Safety Cams were hitting the Safety Levers. The clearance cut added to the Safety was not adequate on some guns. One Safety Lever was modified by E-town and retested. No contact now occurred between Sear Safety Cams and Safety Levers. Indents also increased on that gun. The Safety Levers on the 10 Abuse Test guns were removed and additional clearance added if needed to eliminate interference with the Sear Safety Cam.

- Completed Preliminary Measurements on the 10 Abuse Test Guns

• **Sunday 9/10/00**

- Abuse Test started on 10 guns (SAAMI Jar-Off, Drop & Rotation completed)
  - ❖ Broke 1 insert
  - ❖ Broke 1 bolt handle (swapped bolt body w/handle from another gun)
- Boxed 20 guns for return to Mayfield
- Returned 20 guns to Mayfield for replacement of Receivers & rebuild (Keeney, Danner)
  - ❖ Mayfield screened receivers for tapped hole for support bracket
  - ❖ Mayfield diss-assembles 20 guns
  - ❖ Mayfield assembles original barrels to new receivers & recolors assembly

• **Monday 9/11/00**

- Mike Keeney supervises rebuilding of 20 guns in Mayfield
- Received 20 guns from Mayfield at 1:00 PM (Keeney, Danner)
- Broke in two groups of ten and started Preliminary Measurements
- Magnafluxed the 10 Abuse Test guns bolt heads (No Indications)

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