

M/700 New Design Safety, No Bolt Lock Arm

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DRY CYCLE

Five of the six samples were assembled into Model 700 actions. The sear lift and engagement were determined to be satisfactory by assembly. Ten thousand (10,000) cycles were conducted on each sample on a safe on-off dry cycle machine.

The trigger pull and safe on-off forces were measured at the start of the dry cycle and at 1,000 round intervals during the test. The sear engagement and sear lift were also measured at the completion of the dry cycle testing.

TEST RESULTS (For individual test results refer to Data Sheet No. 1).After 10,000 Dry Cycles:

- Sear engagement showed no change.
- Sear lift showed an average decrease of .0004" FULL, and an average INCREASE of .001" NULL.
- Trigger pull showed an overall increase of 0.25 lbs.
- Safe "on" forces showed an overall decrease of 2.0 lbs.
- Safe "off" forces showed an overall decrease of 2.25 lbs.
- There were no failures or breakages.

LIVE FIRE

The five samples with 10,000 dry cycles were assembled in M/700 30.06 caliber actions; and 500 rounds of R30065 (180 gr. pointed soft point core-locks) were fired thru each action.

TEST RESULTS

There were no breakages or failures.