

M-700 New Design "Left Hand" Safety Assembly,
No Bolt Lock Arm Evaluation

Report No. 820501

REPORT TEXT

Of the four New Design "Left Hand" Safety Assemblies, both No. 2 and No. 4 had large variations and high readings in the safe off mode.

Sample No. 2 being all the way from 6.1 lbs. to 26.6 lbs.

Sample No. 4 from 5.4 lbs. to 17.6 lbs.

NOTE: On-Off Safe forces for all four (4) assemblies are questionable because of no present Remington Standards written for these new assemblies.

Remington Standards for the old style Safety Arm with Bolt Lock are as follows:

4 to 8 lbs. — One sharp click
Double click not allowed

The Safe On-Off forces in this test range from 4.6 to 26.6 lbs..

TEST PROCEDURE

A. Measurements

The following measurements were taken on the four Safety Assemblies used in this test:

Safe On-Off Pound Forces - Mag.
Trigger Pull lbs.
Sear Lift .000 inch
Sear Engagements .000 inch

B. Test Conditions

Beginning with 0 cycles and each 500 cycles thereafter, Safe On-Off Pound Forces were checked with Chatillon DPP-19 or DPP-25 Pound Dial Scale.

Beginning with 0 cycles and each 500 cycles thereafter trigger pull Pound Forces were checked with Chatillon Spring Scale Model IN-10.

Beginning with 0 cycles and each 2500 cycles thereafter, Sear Lift and Sear Engagement were checked in thousandths of one inch on Visual Comparator.

C. All tests were run on dry cycle Machine No. 2 with cut-off stock so components could be watched visually while testing.