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TLW0010

Remington Arms Company Inc.
RESEARCH & DEVELOPMENT TECHNICAL CENTER
315 WEST RING ROAD
ELIZABETHTOWN, KY 42701

- All rounds were removed from the magazine and then it was disassembled. The components of the magazine were blown clear of debris and then the box was reassembled. All four rounds were reinserted into the magazine.
- The magazine was reinstalled into the firearm and the bolt pushed forward and down to chamber a round. The round was chambered successfully.
- The trigger was pulled – Round did not fire. No motion of the firing pin was detected.
- The firearm and shooting jack assembly was carefully moved backward several inches to expose the "sight hole" added to the stock.
- The sight hole was illuminated via the fiber optic light source obtained from the microscope lab.
- It was clearly evident that the connector was forward and the sear was down.
- It should be further noted that no light could be seen between the sear and connector and that the connector appeared to be resting on the sear.
- The custom firing pin tool was used to pull back on the firing pin head. The sear/connector interface was watched as the head was pulled back.
- After significant movement rearward of the pin the sear began to move up but stopped notably short of allowing the connector to return under the sear. Pulling the head all the way back still did not allow the connector to return under the sear.
- An attempt was made to engage the safety to the safe position while holding back on the firing pin head. Resistance was encountered in attempting to do this so the firing pin was carefully lowered back down to its farthest forward position.
- Another attempt to engage the safety to the safe position while holding back on the firing pin head was made. The connector / sear interface was watched through the sight hole during this process.
- The safety was successfully moved from the fire to safe state although it was significantly more difficult than expected.
- It was observed that the sear was driven forcibly upward by the safety arm.
- Immediately after the sear had risen past the point where the connector could move back under the sear it did so.
- The safety was moved from the safe to the fire position. The trigger was pulled and the round went off as expected. The bolt was opened and pulled back extracting the round.

Jan.2001 Design Acceptance Test Remington M710 Centerfire Rifle;
R & D Technical Center Project No. 241039; TLW 0010
file: F:\Test Reports \ Firearms Tests \ M710_DAT_REPORT_JAN01_Rev1.doc

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