

REMINGTON ARMS COMPANY, INC.

INTERDEPARTMENTAL CORRESPONDENCE

Remington

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TO: J.E. Remington

FROM: A.L. Long/F.L. Smith *FLS*

M/700 NEW DESIGN SAFETY, NO BOLT LOCK ARM

Date Started: 9/4/81
Date Completed: 10/6/81
Work Order No.: C-1203

INTRODUCTION

Five M/700 new design safety switches were received from design for evaluation. The evaluation will include dry cycle function, drop test function and live fire function.

TEST OBJECTIVE

To determine if the new safety will function satisfactorily without the bolt lock arm.

TEST OBSERVATION

The samples were dry cycled 10,000 cycles each. Four of the five samples experienced no malfunctions. In 4,000 cycles, sample no. 4 was found to be difficult to operate. It was then disassembled, cleaned, lubricated and reassembled. There were no malfunctions during the remainder of the test.

There were no malfunctions during the live fire tests on the same five samples.

There were no failures during the drop testing, which was conducted on two of the five samples and on the sample that had no dry cycles or live fire rounds. One standard production M/700 was included as a control.

A photograph comparing the current design to the new design is included in this report.