

September 14, 1982

TO: J. H. Hennings

FROM: R. Howe

REPORT TITLE: M-700 NEW DESIGN "LEFT HAND" SAFETY ASSEMBLY,  
NO BOLT LOCK ARM

ABSTRACT

Four M/700 Left Hand Trigger Housing Assemblies with a New Design Safety Assembly, without bolt lock arm, were received from J. W. Brooks, Design for evaluation.

These were dry-cycled 10,000 cycles each by R. Howe with measurements taken every 500 cycles.

SCOPE OF TEST

To determine if new Safety Arm Design will function properly without Bolt Lock Arm.

TEST RESULTS

Four samples were dry cycled 10,000 cycles each. Sample No. 1 and No. 3 experiencing no malfunctions. Sample No. 2 experienced very high safe off readings after 5,500 cycles and Sample No. 4, large variations in safe off readings from 2,500 to 10,000 cycles. SEE APPENDIX "A".