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TLW0010

Remington Arms Company Inc.
RESEARCH & DEVELOPMENT TECHNICAL CENTER
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ELIZABETHTOWN, KY 42701

1.0 PURPOSE & SCOPE OF TEST PROGRAM

1.1 PURPOSE

The purpose of this series of tests was to determine if the Model 710 Centerfire Rifle would perform as designed and meet the established function and safety criteria proposed by the Research & Development Firearms Design Group.

1.2 SCOPE

This report covers the testing of the Remington Model 710 Centerfire in .30-06 Win. caliber only.

2.0 EXECUTIVE SUMMARY

This section of the report is a summary of the test work accomplished through two Phases of Design Acceptance Testing (DAT) for Remington's new Model 710 Centerfire Rifle (plus a ten gun post-DAT test.) The testing and associated design development improvements were completed during the time period of April 2000 and October 2000. Due to the unavailability of synthetic stocks at start of DAT testing the test plan was divided into two Phases. For Phase I testing (Rifles A1-A15) three aluminum stocks were available for test. Those tests or measurements that would be affected by the use of the aluminum stocks such as weight or measurement of recoil were postponed until Phase II testing.

During Part B.2, Phase II, DAT #1 testing (Rifles B1-B30) with synthetic stocks several problems were identified, addressed with design changes and resubmitted for test under the designation of Part B.2, Phase II, DAT #2 (Rifles C1- C30). The results of this testing indicated the need for a ten-gun post-DAT test. The following table lists the results of the most recent of each of these three test series, Phase II, DAT #1, DAT #2 and the ten-gun post-DAT test. Where problems were still unresolved the decision was made to wait on the results of Trial & Pilot Testing where the most recent design changes would be incorporated into the design and process.

Jan.2001 Design Acceptance Test Remington M/710 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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