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TLW0010

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

Lock time was measured during Phase I only. The average of three trials on each sample was used for the measurement of lock times. Average lock time was 2.89 ms with a minimum of 2.74 ms and a maximum value of 3.09 ms. (See Section TLW0010K; B.1)

3.1.2.9 TLW0010AZ – Firing Pin Head to Sear Engagement

An important characteristic identified by Design as important to proper function of this model is the relationship of the firing pin head to the sear safety cam. Design has determined that the minimum acceptable engagement must be equal to or greater than 0.060". This characteristic was measured during Phase II only. The data measured on all thirty sample rifles indicated a mean value of 0.071" with a minimum value observed at 0.065" and a maximum value at 0.077". (See TLW0010AZ; B.2)

3.1.3 Weights of Major Components

3.1.3.1 TLW0010L – Overall Weight

Weights of the product and weights of various major sub-assemblies are considered to be important parts of the product description. Of the weights measured, Overall Weight of the product is the most important relative to customer perception and acceptance and in the case of overall weight are generally listed in the catalog. Customers generally want a hunting rifle to be as light as practical for carrying into the field.

Ten Phase II sample rifles were weighed as complete rifle systems (without the scope included and without the magazine box installed.) The magazine boxes would normally have been included in the weight of the complete assembly but were unavailable for weighing due to other testing requirements on the boxes at the time. Note that the weight of a magazine box is approximately 0.215 lb. The average weight of the rifle was measured at 6.894 lb. The 95% confidence interval was calculated at 6.886 lb. to 6.903 lb.. The average weight of a comparable Model 700 is approximately 7-3/8 lb. (e.g. the Model 700 ADL Synthetic, 22", Long Action.) (See Section TLW0010L; B.2)

3.1.3.2 TLW0010M – Weight of Stock Assembly

The weight of the stock averaged 2.346 lb.. The 95% confidence interval is 2.342 lb. to 2.349 lb.. The stock is approximately 34% of the complete assembly. (See Section TLW0010M; B.2)

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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Subject to Protective Order - Williams v. Remington