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

For Phase I one of the fifteen samples averaged 3.982 lb. . All other Phase I samples were between 4.0 lb. and 5.0 lb. . (See Section TLW0010I; B.1)

For Phase II rifles four rifles were over the 5.0 lb. limit and were re-adjusted to the specified limits. One rifle was found to be at 2.0 lb. (measured as assembled in the stock) which was under the S.A.M.M.I. recommended minimum and was re-adjusted up to above the 4.0 lb. Remington limit. (See Section TLW0010I; B.2)

3.1.2.4 TLW0010G – Safe On/Off Forces

The amount of force required to move the Safety from the "On-Safe" position to the "Fire" position and the force required to move the Safety from the "Fire" position to the "On-Safe" position. The first requirement is a S.A.A.M.I. specification (Ref. S.A.A.M.I. Technical Committee Manual, Vol. VII Centerfire Rifle, Section 7-130.01) and specifies that the firearms with a manual safety have a force of at least 1 lb. to move the safety from the "safe" position to the "fire" position. All sample rifles measured in both Phase I & II met this requirement. The second specification was taken for information only.

Phase I sample rifles averaged 4.084 lb. for "Safe-On" to "Fire" position force and 3.1615 lb. for "Fire" to "Safe-On" position force.

Phase II sample rifles averaged 2.538 lb. for "Safe-On" to "Fire" position force and 5.757 lb. for "Fire" to "Safe-On" position force. (See TLW0010G; B.1 & B.2)

3.1.2.5 TLW0010H – Bolt Lift and bolt closing Forces

The force that was required to open the bolt and the force required to close the bolt were determined for each designated sample. Both forces were taken with chamber empty and then repeated, this time with a new dummy round in the chamber. There is not a specification for these characteristics and the readings were taken for information only. See Table following. (See TLW0010H; B.1 & B.2)

	PHASE I (n = 10)		PHASE II (n = 9)	
	OPEN FORCE	CLOSING FORCE	OPEN FORCE	CLOSING FORCE
EMPTY CHAMBER	6.250	3.013	3.320	2.730
ROUND CHAMBERED	6.529	3.482	Not Measured	Not Measured

3.1.2.6 TLW0010I – Magazine Spring Force

The force required to depress the magazine follower in the magazine box when pushing the follower down a distance of 1.0 inches (after an initial 0.2" depression) was measured during both phases. There is not currently an established specification for this characteristic but design requested that the measurement be made to gather

Jan.2001 Design Acceptance Test Remington M/710 Centerfire Rifle;
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file: F:\Test Reports \Firearms Tests \M710_DAT_REPORT_JAN01_Rev1.doc

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Subject to Protective Order - Williams v. Remington

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