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TLW0010

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

### 3.1.5.2 TLW0010T - Drop at Heel and Comb

Drop at Heel and Comb is listed in the catalog and is part of the product description. Drop at the Heel averaged 1.402 inches as measured from the bore. Drop at the Comb averaged 1.297 inches. (See Section TLW0010T: B.2)

### 3.1.5.3 TLW0010U - 40 lb. Trigger Pull Test

This test is specified by S.A.A.M.I. as a test of the safety operation. Per S.A.A.M.I. "The mechanical operation of the safety should not be impaired as a result of the application of a 40 lb. (18.1 kg) force to the trigger in any direction with the safety in the 'on' or 'safe' position." (Ref S.A.A.M.I. Technical Committee Manual, Vol. VII Centerfire Rifle, Section 7-130.01). The test plan stated the 40-lb. force limit as 50 lb. in error and the tester performed the test using a 50-lb. force. In spite of this error the following before and after characteristics were determined.

	Trigger Pull (lb.)	Trigger Engagement (in.)	Trigger Gap (in.)	Fire during Safe Release	Fire after Trigger Pull
Before	4.92	0.0280	0.165	-	-
After	4.91	0.0287	0.133	No	Yes

There was not a significant difference for either Trigger Pull or Trigger Engagement between the before or after application of the 50 lb. load. There was however a significant difference between the before and after Trigger Gap as measured between the rear of the trigger and the trigger guard bow. This was most likely due to the bending of the trigger when the 50 lb. load was applied. The post-test of safety release followed by pulling the trigger did not result in any failures of the firecontrol to function properly.

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

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